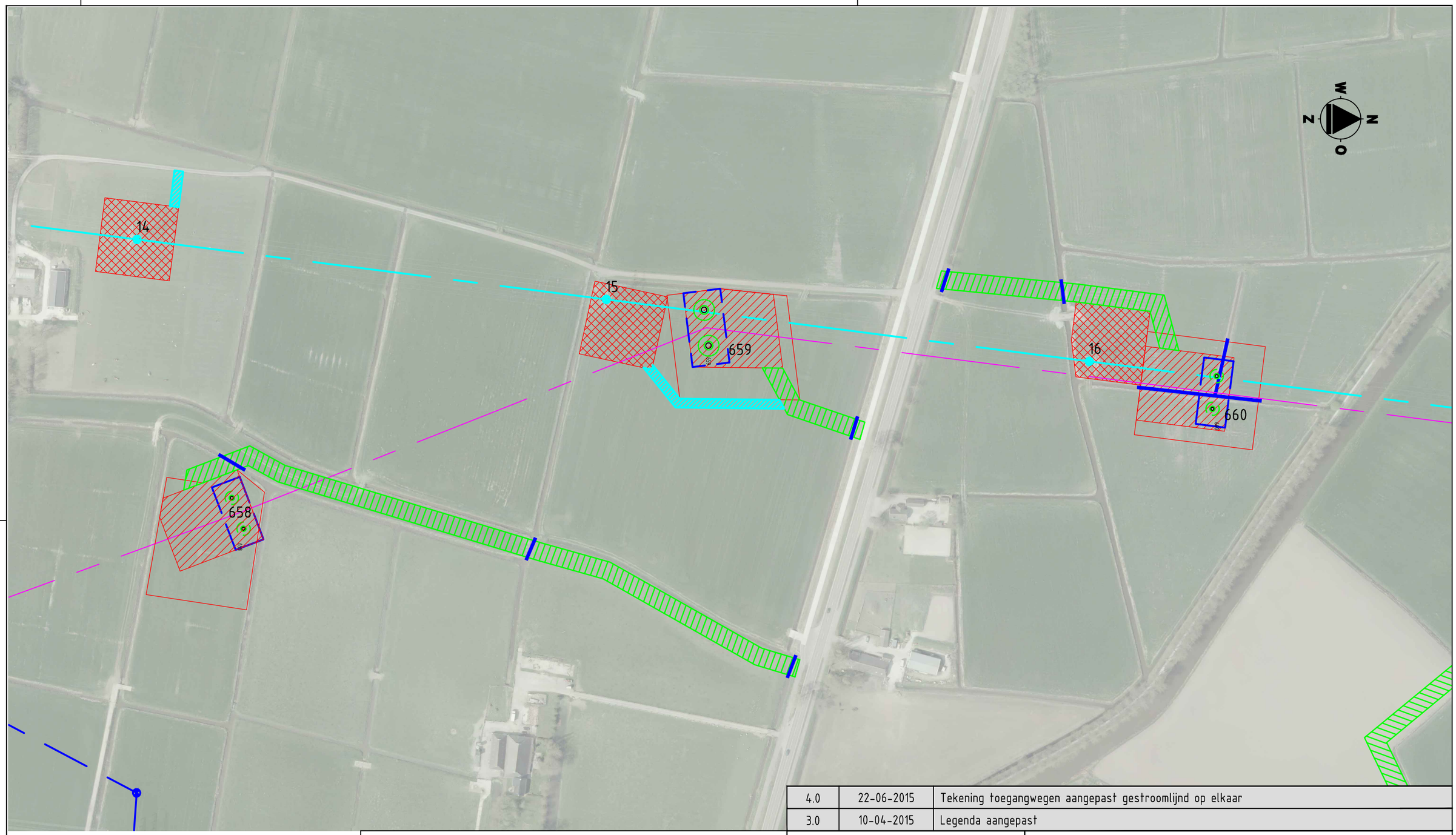
Bijlage 12
Situatietekening met overzicht objecten



4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

T.B.V. Vergunnings aanvraag

Legenda:

- NW380 verbinding
- 220kV verbinding
- 220kV verbinding (tijdelijk)
- 110kV verbinding
- 110kV verbinding (kabel)
- Voorziening t.b.v. waterkruising
- Belangrijke ondergrondse infra
- Werkterrein bouw VVL380
- Werkterrein vakwerkmasten ca 3000m^2
- Werkterrein NW380 masten ca 3000m^2
- Werkterrein kabels zie tek 74101611-037-015
- Bouwweg met breedte 6m (incl grondopslag)
- Bouwweg met breedte 12m (incl grondopslag)

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-131V

Design state: DEFINITIEF		Scale: 1:2500	
Drawn by: RBE	22-10-2014	Units: mm	
Checked by: RLo	22-10-2014	Project no: 000.144.21	
Approved by: AW	22-10-2014	Company: TenneT	

Description: Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding Blad 1 van 7

Revision: 4.0

Format: A3

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4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

Legenda:

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DNV·GL

Projectname:
Engineering verbinding NW380

Third angle projection:

Drawing no.:
74101611-031-131V

Design state: DEFINITIEF		Scale:	1:2500
Drawn by: RBE	22-10-2014	Units:	mm
Checked by: RLo	22-10-2014	Project no:	000.144.21
Approved by: AW	22-10-2014	Company:	TenneT

Description:
Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding
Blad 2 van 7

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4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

T.B.V. Vergunnings aanvraag

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DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-131V

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Drawn by: RBE	22-10-2014	Units:	mm
Checked by: RLo	22-10-2014	Project no:	000.144.21
Approved by: AW	22-10-2014	Company:	TenneT

Description: Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding Blad 3 van 7

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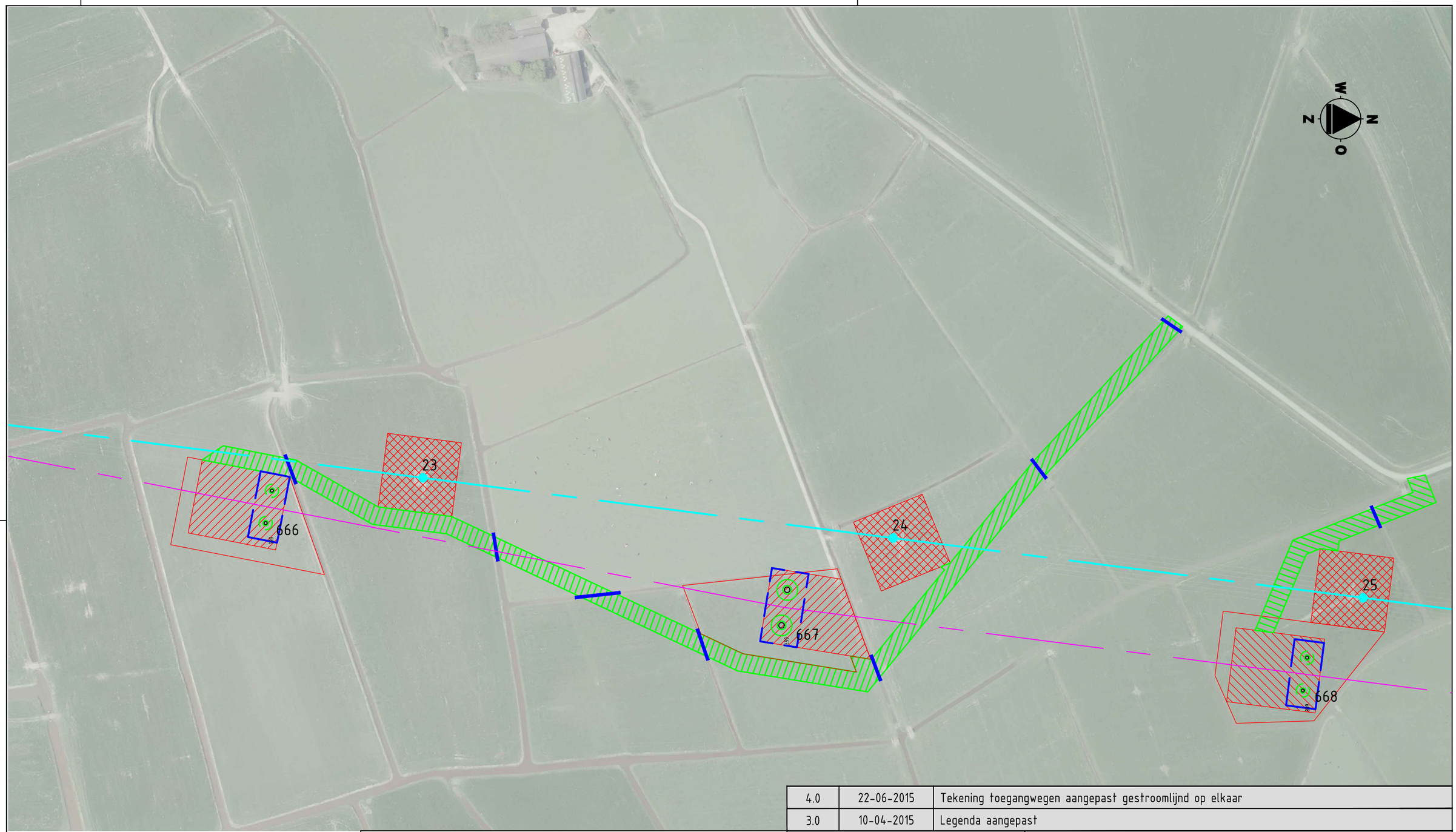

4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

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DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-131V

Design state: DEFINITIEF		Scale:	1:2500
Drawn by: RBE	22-10-2014	Units:	mm
Checked by: RLo	22-10-2014	Project no:	000.144.21
Approved by: AW	22-10-2014	Company:	TenneT

Description: Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding Blad 4 van 7

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4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

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- Bouwweg met breedte 12m (incl grondopslag)

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-131V

Design state: DEFINITIEF		Scale: 1:2500	
Drawn by: RBE	22-10-2014	Units: mm	
Checked by: RLo	22-10-2014	Project no: 000.144.21	
Approved by: AW	22-10-2014	Company: TenneT	

Description: Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding Blad 5 van 7

Revision: 4.0

Format: A3

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4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

T.B.V. Vergunnings aanvraag

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Projectname: Engineering verbinding NW380

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Drawing no.: 74101611-031-131V

Design state: DEFINITIEF		Scale:	1:2500
Drawn by: RBE	22-10-2014	Units:	mm
Checked by: RLo	22-10-2014	Project no:	000.144.21
Approved by: AW	22-10-2014	Company:	TenneT

Description: Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding Blad 6 van 7

Revision: 4.0

Format: A3

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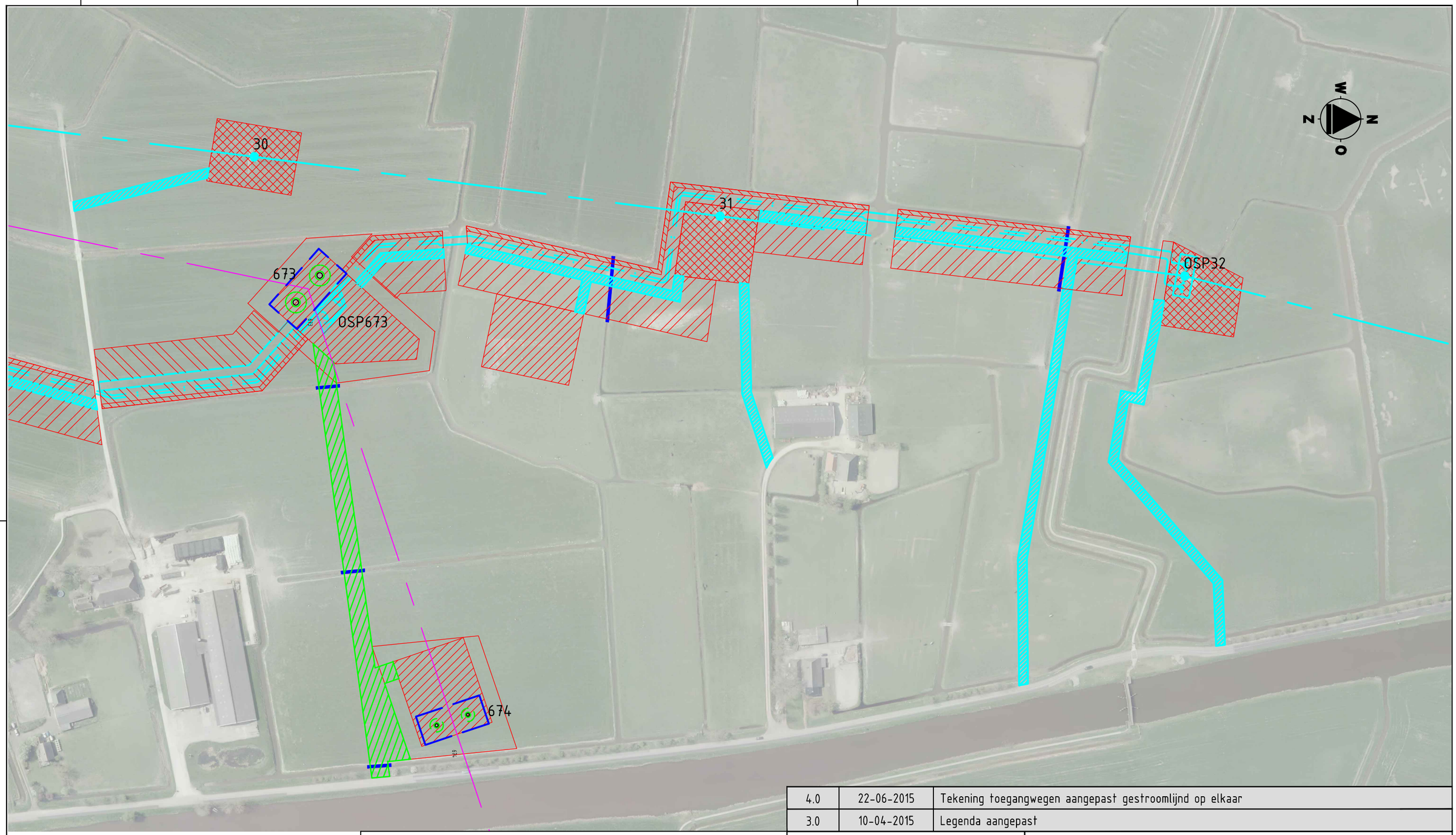

4.0	22-06-2015	Tekening toegangwegen aangepast gestroomlijnd op elkaar
3.0	10-04-2015	Legenda aangepast

T.B.V. Vergunnings aanvraag

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- Werkterrein NW380 masten ca 3000m^2
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Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-131V

Design state: DEFINITIEF		Scale: 1:2500	
Drawn by: RBE	22-10-2014	Units: mm	
Checked by: RLo	22-10-2014	Project no: 000.144.21	
Approved by: AW	22-10-2014	Company: TenneT	

Description: Toegangswegen en werkterreinen B24 en C6. Het aangepast bouwen en inlussing in Wintrack van bestaande 110kV verbinding Blad 7 van 7

Revision: 4.0

Format: A3

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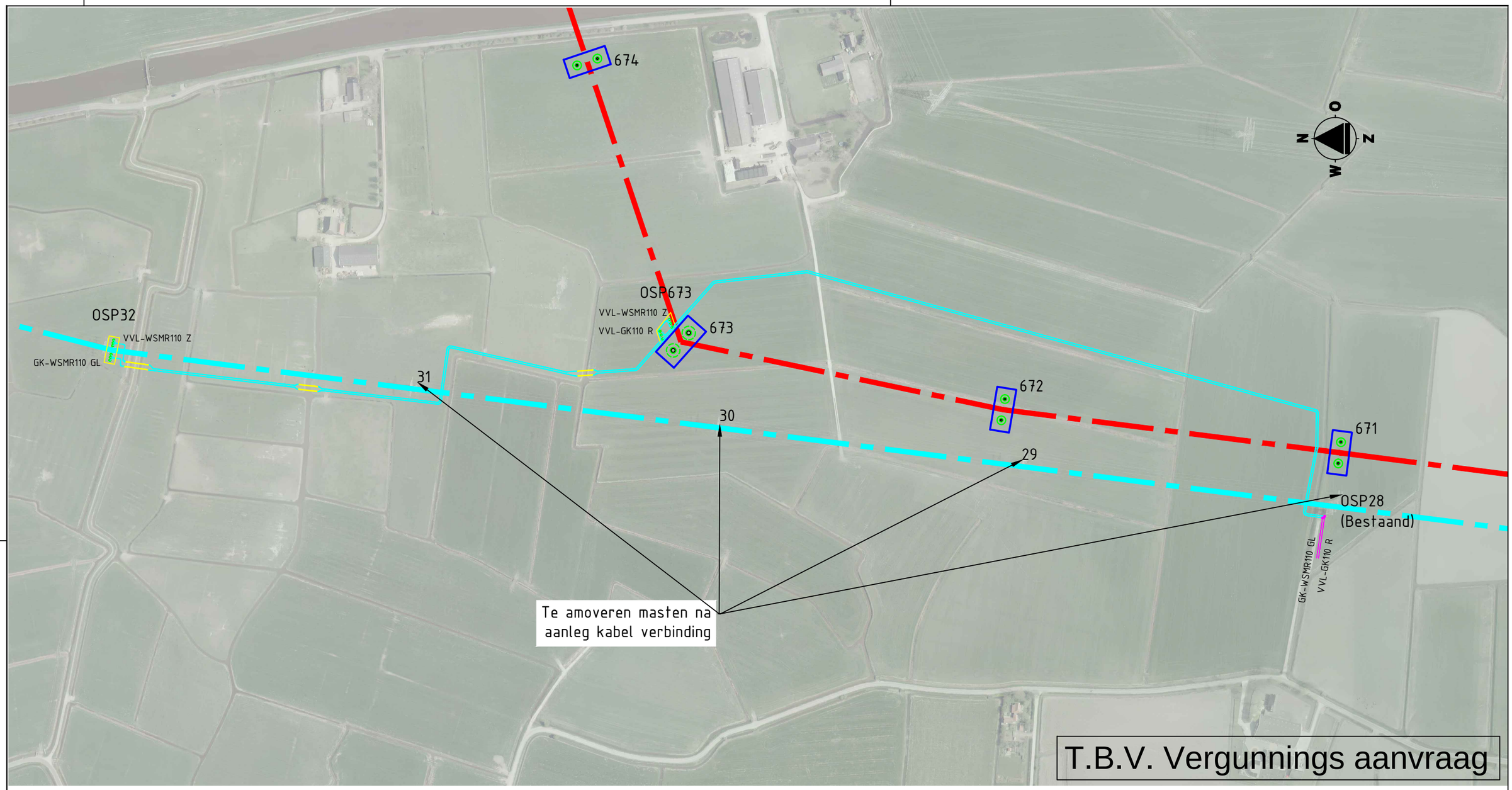

LEGENDA:

- Toekomstige NW380 verbinding
- Bestaande 110kV verbinding
- Nieuwe 110kV kabel verbinding
- Bestaande 110kV kabel verbinding
- Nieuwe HDD boring 110kV kabeltrace
- Nieuw kabelopstijgpunt
- Nieuwe kabel mof om oude en nieuwe kabel te verbinden

2.0	164-10-2015	Te amoveren masten toegevoegd
1.0	20-02-2015	Eerste uitgave

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-141V

Design state: CONCEPT		Scale:	1:400
Drawn by: EKA	20-02-2015	Units:	m
Checked by: RLo	20-02-2015	Project no:	000.144
Approved by: AW	20-02-2015	Company:	TenneT

Description: Voorlopig 110kV kabeltrace nabij OSP 673

Revision: 2.0

Format: A3

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Bijlage 13
Technische gegevens opstijgpunt bij vakwerkmast 673

DNV·GL

ENGINEERING VERBINDING NW380

Belastingen en constructie berekeningen mast 32, opstijgpunten 32 en 673 van de 110kV verbinding Vierverlaten – Grijpskerk / Winsum Ranum t.b.v. vergunningen

TenneT B.V.

Rapport nr.: 15-2234 rev 3.0
Datum: 26-11-2015

Projectnaam:	Engineering verbinding NW380	DNV GL - Energy
Rapport titel:	Belastingen en constructie berekeningen mast 32, opstijgpunten 32 en 673 van de 110kV verbinding Vierverlaten – Grijpskerk/ Winsum Ranum t.b.v. vergunningen	KEMA Nederland B.V. Postbus 9035 6800 ET ARNHEM
Klant:	TenneT B.V.,	
Contactpersoon:	R. Röttger	Tel: +31 26 356 9111
Datum:	26-11-2015	KvK 09080262
Project nr.:	74101611	
Unit:	PMT/POL	
Rapport nr.:	15-2234 rev 3.0	

Taak en doelstelling:

Auteur:	Beoordeeld:	Goedgekeurd:
RWJA Lommers	E. Gharh Beklo	A van der Wal

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In het geval dat TenneT een door DNV GL uitgebrachte rapportage aan derden beschikbaar wil stellen

1) in een andere taal dan die waarin de rapportage is opgesteld, en/of

2) met wijzigingen in de tekst en/of layout van de rapportage

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Rev.	Datum	Reden voor uitgave	Auteur	Beoordeeld	Goedgekeurd
1	2015-09-29	First issue	RWJA Lommers	E. Gharh Beklo	A. van der Wal
2.0	2015-10-23	RFA verwerk	RWJA Lommers	E. Gharh Beklo	A. van der Wal
3.0	2015-11-26	RFA verwerk	RWJA Lommers	E. Gharh Beklo	A. van der Wal

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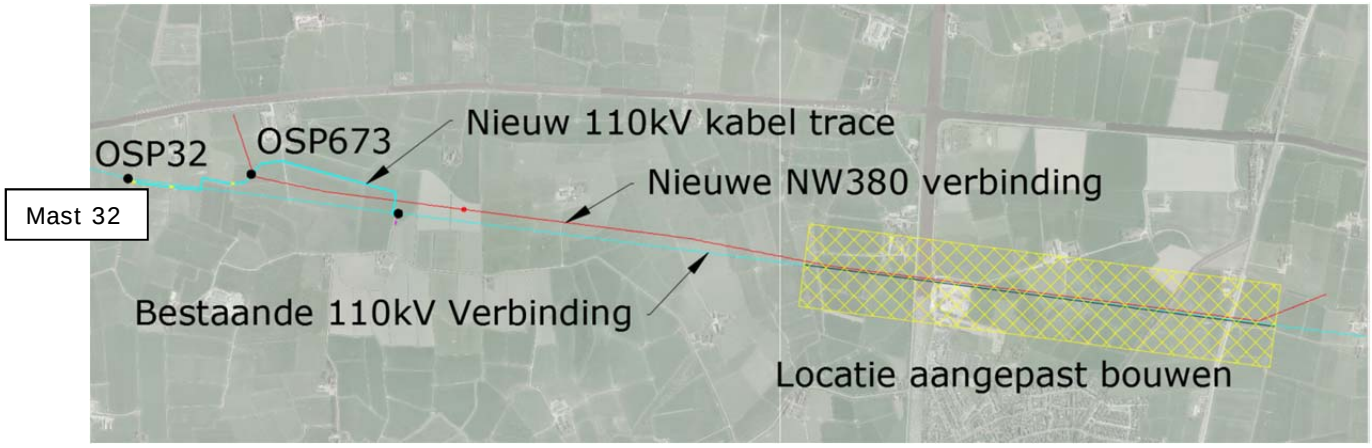
1 INLEIDING

De 110kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum is opgenomen in de Wintrack NoordWest380 verbinding tussen het mastnummer 648 en 673. Ter hoogte van mast 673 wordt een opstijgpunt gerealiseerd. De 110kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum wordt gerealiseerd door middel van een kabel en opstijgpunt nabij mast 32 naar Wintrack mast 673. In Figuur 1 is de locatie te zien waarin de verschillende bouwfasen door elkaar heen zichtbaar zijn.

In deze tijdelijke situatie wordt de mast 32 van de 110kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum mechanisch anders belast dan in de situatie waarvoor deze is ontworpen. De eventuele mechanische overschrijdingen ten opzichte van de bestaande situatie worden in dit rapport berekend. Uitgangspunt is dat de bestaande geleiders worden hergebruikt.

Verder worden in dit document een samenvatting gegeven van de berekende belastingen op de bestaande 110kV mast 32, 110kV opstijgpunt 32 en 110kV opstijgpunt 673.



Figuur 1 – Locatie overzicht

Uitgevoerde berekeningen zijn ten behoeve van een voorlopige vergunning aanvraag. Detail ontwerp en verdere berekeningen dienen door de uitvoerende aannemer te worden uitgevoerd om te komen tot een definitieve vergunningsaanvraag.

2 UITGANGSPUNTEN

2.1 Gebruikte normen

- NEN-EN 50341-1, “Bovengrondse elektrische lijnen boven 45 kV wisselspanning - Deel 1: Algemene eisen - Gemeenschappelijke specificaties
- NEN-EN 50341-1-15, “Bovengrondse elektrische lijnen boven 45 kV wisselspanning - Deel 3: Verzameling van nationale normatieve aspecten”.
- Lijnen – "Standaard Programma van Eisen" met referentie PVE.05.000 versie 2.0 d.d. juni 2014
- Lijnen – "Specifiek Programma van Eisen NoordWest 380 kV" met referentie sPVE.05.001 versie 2.1 juli 2015
- Bouwkunde – "Standaard Programma van Eisen" met referentie PVE.04.000 versie 1.4 d.d. mei 2014

2.2 Gebruikte software

Software	Versie
PLS-CADD	13.20
PLS-Tower	13.20
PLS-Pole	13.20
Excel	2010

2.3 Berekeningen derden

Voor de volgende onderdelen dienen er detail berekeningen door derden te worden uitgevoerd:

- Detail berekeningen constructie
- Detail berekeningen fundaties

2.4 Gebruikte tekeningen

De bestaande mast 32 en de opstijgpunten 32 en 673 in de 110 kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum voor de tijdelijke situatie doorgerekend.

De berekening is gebaseerd op de constructietekeningen, zoals aangeleverd door TenneT, zie Tabel 2.1.

Tabel 2.1 – Tekeningen van toepassing voor mast 32

	Tekening nummer	Omschrijving
1.	N25-H4-DR-19-60-70-46965	Hoekmast H4DR19 Traverse 1
2.	N25-H4-DR-19-60-70-46966	Hoekmast H4DR19 Traverse 2
3.	N25-H4-DR-19-60-70-46967	Hoekmast H4DR19 Bovenstuk
4.	N25-H4-DR-19-60-70-46968	Hoekmast H4DR19 eerste tussenstuk

	Tekening nummer	Omschrijving
5.	N25-H4-DR-19-60-70-46969	Hoekmast H4DR19 tweede tussenstuk
6.	N25-H4-DR-19-60-70-46970	Hoekmast H4DR19 broekstuk

Voor opstijgpunt mast 32 (OSP32) en opstijgpunt bij mast 673 (OSP673) is een principe tekening opgesteld en weergegeven in respectievelijk tekening “74101611-031-140 - OSP32 versie 2.0-A3V.pdf” en “74101611-031-139 - Opstijgpunt OSP 673-A3V.pdf”. Zie bijlage D.

2.5 Toegepaste materialen

Stalen delen	:	Bestaand S235; Nieuw S355
Bouten & ankers	:	Bestaand 5.6; Nieuw 8.8
Isolatie materialen	:	Glas

2.6 Toegepaste kleuren

Mastlichaam	:	Grijs
Uitsluitend stalen delen	:	Grijs
Isolatie	:	Glas
Klemmen en armaturen	:	Gegalvaniseerd

2.7 Conservering

Conservering mastlichaam	:	Vuur verzinkt + beschermende coating
Conservering klemmen en armaturen	:	Thermisch verzinkt

2.8 Constructieve opbouw mast 32, opstijgpunt 32 en opstijgpunt 673

Voor de opbouw van de mast 32, opstijgpunt 32 en opstijgpunt 673 wordt verwezen naar paraaf 2.4.

3 CONSTRUCTIE BELASTINGEN

Dit hoofdstuk geeft de maximaal berekende belastingen vanuit de geleiders op het steun/afspanpunt van mast 32 en de opstijgpunten 32 en 673 voor de nieuwe situatie weer. De belastingen zijn inclusief klimatologische variabelen (wind en ijs) en veiligheidsfactoren conform NEN-EN 50341-1 en NEN-EN 50341-3.

3.1 Belasting kenmerken

De belasting wordt bepaald door de volgende factoren:

- omgevingsvariabelen
  - het gehanteerde windgebied is: II onbebouwd
  - met een referentie periode van: 50 jaar.
  - ijsgebied A voor fasedraad: $5\sqrt{d}$
  - ijsgebied A voor bliksemdraad: $5\sqrt{d}$
  - kortsluitbelasting 110kV: 30kA 1sec (t.b.v. OSP32 en OSP673)
  - kenmerken geleider en bliksemdraad kenmerken, zie Tabel 2
  - tracé kenmerken voor OSP32, mast 32 en OSP zijn weergegeven in Tabel 3 en Tabel 4

Tabel 2 – Kenmerken van bestaande en nieuwe geleiders

Type		Geleider	Bliksemdraad
		Groningen/Ostrich 21,8/17,25mm	Cochin
Doorsnede	mm2	281.9	169.55
Diameter	Mm	21.8	16.89
Gewicht	N/m	8.622	7.69
Nominale breekbelasting	N	73329	92078
Elasticiteit modulus	N/mm2	66000	103697
Lineaire uitzettingscoëfficiënt	m/°C	0.00002034	0.000154877

Tabel 3 – Mastenlijst

Constructie	RD coördinaat X (m)	RD coördinaat Y m)	Hoogte Z (NAP) (m)	Veldlengte (opvolgend) (m)	Oriëntatie hoek (t.o.v. lijnhoek) (graden)	Traverse as t.o.v. Noord (graden)	Mast hoogte (m)
OSP32 (110kV)	227783.667	590248.908	-0.074	2.582	7.8611	15.1864	5
32	227784.34	590251.4	-0.01	286.1	-0.7252	104.7543	28.15
33	227855.45	590528.522	-0.08	253.947	0	104.3917	28.15

Constructie	RD coördinaat X (m)	RD coördinaat Y m)	Hoogte Z (NAP) (m)	Veldlengte (opvolgend) (m)	Oriëntatie hoek (t.o.v. lijnhoek) (graden)	Traverse as t.o.v. Noord (graden)	Mast hoogte (m)
34	227918.569	590774.5	-0.13	281.426	0	104.3917	36.15
35	227988.518	591047.095	0.607	301.863	0	104.3917	36.15
36	228063.546	591339.485	0.78	308.92	0	104.3917	29.9
37	228140.328	591638.711	0.66	295.978	0	104.3917	29.9
38	228213.893	591925.401	0.622	295.152	0	104.3917	29.9
39	228287.254	592211.291	0.405	233.199	0	104.3917	47.15
40	228345.215	592437.172	0.87	295.027	0	104.3917	47.15
41	228418.544	592722.94	0.118	328.887	0	104.3917	29.9
42	228500.289	593041.506	0.61	0	0	104.3917	28.15
673	227792.964	589661.606	0.549	305.667	59.6116	131.687	52.6
OSP673 (110kV)	227802.447	589664.78	0.569	25.00	0	341.4928	5

Tabel 4 – Sectie informatie

Van mast	Naar mast	Geleider type	Trekparameter (10°C)	Horizontale geleidertrek [N]
32	42	cochin_acsr	1400	10767
		Groningen St/Al	1400	12071
673	684	ams 620_aaac	1800	31896
		brugg opgw 226-al2-38-a20sa	1800	16987
		hawk_st-ams	1800	17285
OSP673 (110kV)	673	Groningen St/Al	100	1772
OSP32 (110kV)	32	Groningen St/Al	20	354

3.2 Resultaat maximale belastingen op mast 32, opstijgpunt 32 en opstijgpunt 673

Tabel 5 geeft de maximaal optredende belastingen voor mast 32 en OSP32 voor de nieuwe situatie weer. Voor een compleet overzicht van alle optredende belastingen zie bijlage A.

Tabel 5 – Berekende maximale belasting mast 32 en OSP32

Structure nummer	Type	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Maatgevende load case
OSP32 (110kV)	osp 32 nw380.pol	-24789	2517	1549	Kortsluiting -20
32	h4dr19.#32.tow	8186	-3585	-48836	NL1 Lc 3 Wind + ice WLA

Tabel 6 geeft de maximaal optredende belastingen voor OSP673 voor de nieuwe situatie weer. Voor een compleet overzicht van alle optredende belastingen zie bijlage A.

Tabel 6 – Berekende maximale belasting OSP673

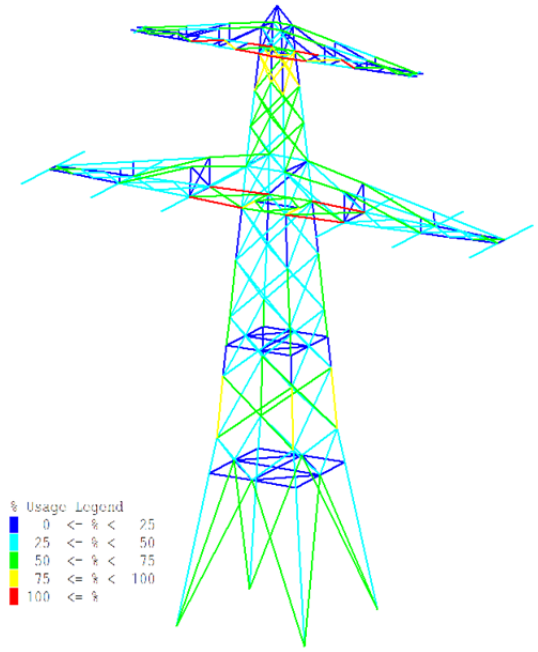
Structure nummer	Type	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Maatgevende load case
OSP673 (110kV)	osp 673 nw380.pol	-5513	-2438	-5108	Kortsluiting -20

4 RESULTATEN

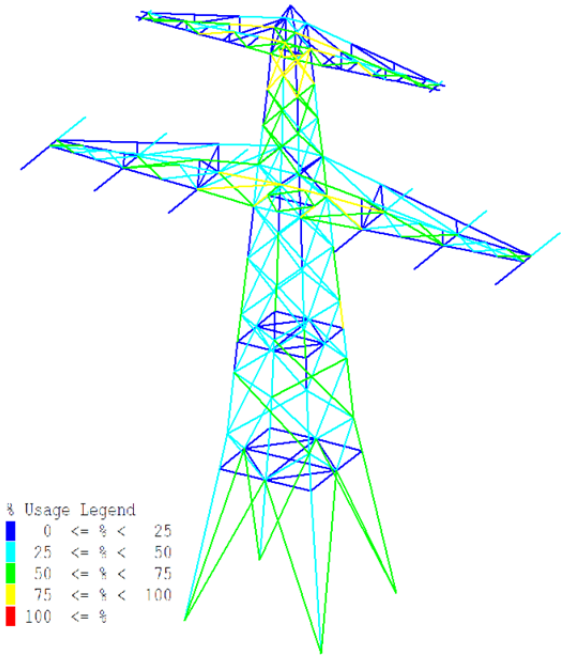
4.1 Resultaten mast 32

Mast 32 in de lijn 110 kV Vierverlaten – Grijpskerk/Winsum Ranum is voor de eindsituatie doorgerekend. Uit de berekeningen blijkt dat mast 32 in de initiële situaties niet voldoet. Uit de berekeningen volgt dat de mechanische capaciteit bij mast 32 in toekomstige situatie op diverse plaatsen overschreden wordt, zie Figuur 2 voor visualisatie zonder aanpassingen en zie Figuur 3 ná aanpassingen. Een uitgebreidere samenvatting van de berekeningen die zijn uitgevoerd zijn toegevoegd in bijlage B.

Voor de benodigde aanpassingen op de bestaande mast ontwerp H1-DR-19 wordt verwezen naar tekening 74101611-035-181. Zie bijlage D.



Figuur 2 – Vóór aanpassing van mast 32



Figuur 3 – Ná aanpassing van mast 32

Niet alle gegevens betreffende de bestaande funderingen zijn beschikbaar. Er is daarom gekozen voor een benadering waarbij de bestaande belastingen op de fundering vergeleken worden met de belastingen op de fundering in de nieuwe situatie.

<u>Fundatie belastingen</u>

Tabel 7 en Tabel 8 geven de maximale en minimale optredende verticale fundering belastingen voor mast 32 in de initiële situatie als voor de nieuwe definitieve situatie, voor de maatgevende mastpoot aan. Voor een compleet overzicht van alle optredende belastingen zie bijlage C.

Tabel 7 – Funderingsbelasting in initiële situatie (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting
32	553.77	-653.63

Tabel 8 – Funderingsbelasting in definitieve situatie (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting
32	584.85	-720.73

Conclusie

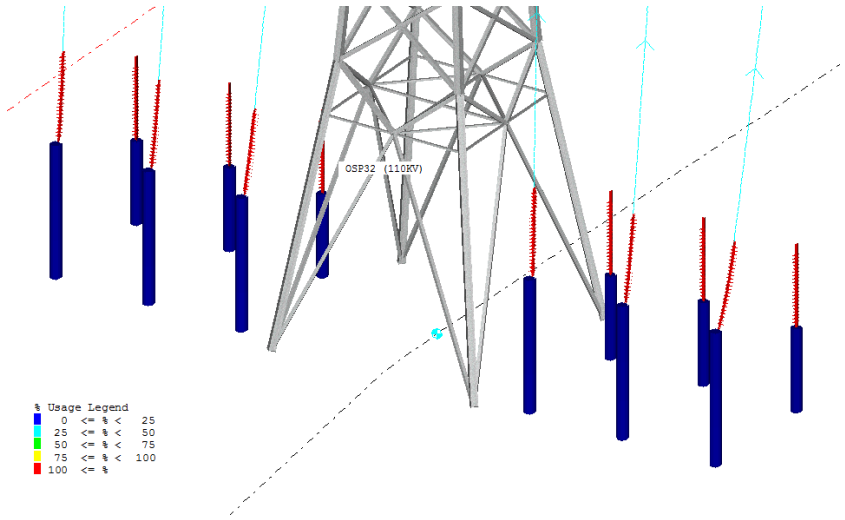
Zowel de trekkracht als de drukkracht op de fundering nemen voor de maatgevende mast toe. Er zijn echter onvoldoende gegevens bekend van de bestaande fundatie. Om de capaciteit van de fundatie vast te stellen is een nader onderzoek nodig naar de bestaande fundatie en sonderingen en dan kan de maximale belasting van de fundatie berekend worden.

Als de capaciteit niet voldoende is kan de capaciteit van de fundaties verhoogd worden door palen bij te slaan. Voor mast 32 zullen er per funderingspoer twee palen van een nader te bepalen lengte bij moeten worden geslagen. De lengte van de palen zal afhangen van de sonderinggegevens.

Door middel van een juk dat aan beide palen gekoppeld zit, zal er een sterke en stijve verbinding gemaakt moeten worden met het ingestorte stalen deel van de mastpoot. Hierdoor zal de belasting op het ingestorte gedeelte in het beton niet vergroot worden. Een principe is weergegeven in tekening 74101611-32-473 en een principe berekening in 74101611-32-473-A3.

4.2 Resultaat opstijgpunt 32

Opstijgpunt 32 in de lijn 110kV Vierverlaten – Grijpskerk/Winsum Ranum is voor het eind situaties doorgerekend. Uit de berekeningen blijkt dat de ondersteuningen voor het opstijgpunt voldoet, zie Figuur 4. Voor een principe tekening van het opstijgpunt wordt verwezen naar tekening, 74101611-031-140, 74101611-13-05V, 74101611-13-04V en 74101611-13-06V. Zie bijlage D.



Figuur 4 – Opstijgpunt nabij mast 32 (OSP32)

Fundatie belastingen

De tabel hieronder geven de maximale en minimale optredende funderingsbelastingen. Die als uitganspunt dienen voor de fundatie berekeningen. Voor een compleet overzicht van alle optredende belastingen zie bijlage C. Voor een principe van de fundatie zie tekening 74101611-32-472V. Zie bijlage D.

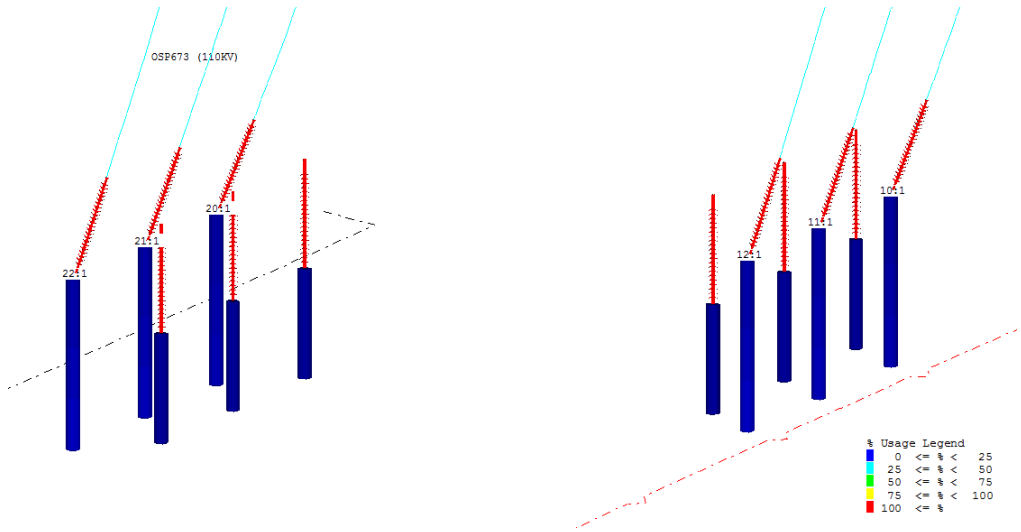
Tabel 9 – Funderingsbelasting opstijgpunt OSP32 (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting	Optredend moment	Optredende dwarsbelasting
OSP32 (110kV)	14.18	-3.43	6.18	2.09

4.3 Resultaat opstijgpunt 673 (OSP673)

Opstijgpunt 673 in de lijn 110kV Vierverlaten – Grijpskerk/Winsum Ranum is voor het eind situaties doorgerekend. Uit de berekeningen blijkt dat de ondersteuningen voor de opstijgpunten voldoen, zie Figuur 5. Voor een principe tekening van het opstijgpunt wordt verwezen naar tekening, 74101611-031-13974101611-031-140, 74101611-13-05V, 74101611-13-04V en 74101611-13-06V. Zie bijlage D.

Voor een compleet overzicht van alle optredende belastingen zie bijlage B.



Figuur 5 – Opstijgpunt nabij mast 673 (OSP673)

Fundatie belastingen

De tabel hieronder geeft de maximale en minimale optredende funderingsbelastingen weer die als uitganspunt dienen voor de fundatie berekeningen. Voor een compleet overzicht van alle optredende belastingen zie bijlage C. Voor een principe van de fundatie zie tekening 74101611-32-472V. Zie bijlage D.

Tabel 10 – Funderingsbelasting opstijgpunt OSP673 (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting	Optredend moment	Optredende dwarsbelasting
OSP673 (110kV)	2.71	-4.10	21.87	5.66

4.4 Mastgewicht

Het totaal mastgewicht van mast 32 van de de110kV lijn Vierverlaten – Grijpskerk/Winsum Ranum, van het type H1-DR-19-60-70, is ongeveer 15.3 ton.

BIJLAGE A BELASTINGEN OSP32, MAST 32 EN OSP673

Alle berekende belastingen voor OSP32, mast32 en osp673 Vierverlaten – Grijpskerk / Winsum –Ranum zijn separaat toegevoegd in een Excel files “74101611-35-139-A1 Belastingen OSP 673.xlsx” en “74101611-35-140-A1 Belastingen mast 32 en OSP32.xlsx”

BIJLAGE B SUMMARY OSP32, MAST 32 EN OSP673

Een uitgebreidere samenvatting van de berekeningen die zijn uitgevoerd zijn separaat toegevoegd in documenten , “Bijlage B Summary berekeningen mast 32 en OSP32” en “Bijlage B Summery berekeningen OSP673”.

De tabellen die zijn opgenomen in de rapportage zijn, onderscheiden zich als volgt:

- Structure Locations and Usage Report
  - Deze tabel geeft een samenvatting van de uiterste belasting waarin de masten kunnen worden belast.
- Summary of Maximum Usages by Load Case
  - Deze tabel geeft per mast de maximale belaste elementen per belastingsgeval
- Summary of Joint Support Reactions For All Load Cases
  - Deze tabel geeft de belastingen op de fundaties per load case in verticale, horizontale richting en momenten.
- Loads At Insulator Attachments For All Load Cases
  - Deze tabel geeft de belasting, in het coördinaten systeem van de mast, ten gevolge eigengewicht en externe belasting (wind en ijs).
- Structure and insulator usage grafiek
  - Deze grafiek verbeeldt de maximale gebruiksbelastingen van mast en isolator uitzwaai.

BIJLAGE C FUNDATIE BELASTINGEN OSP32, MAST 32 EN OSP673

Alle berekende fundatie belastingen voor OSP32, mast32 en osp673 Vierverlaten – Grijpskerk / Winsum –Ranum zijn separaat toegevoegd in een Excel files “74101611-35-139-A1 Fundatie belastingen OSP 673.xlsx” en “74101611-35-139-A1 Belastingen OSP 673.xlsx

BIJLAGE D TEKENINGEN EN DOCUMENTEN

Tekeningen van toepassing zijn separaat toegevoegd. Zie onderstaande tabel.

	Document nummer	Omschrijving
1.	74101611-031-139	Opstijgpunt OSP 673-A3V
2.	74101611-031-140	OSP32 versie 2.0-A3V
3.	74101611-035-181V	Mast aanpassingen voor mast 32 van het type H4-DR-19-Rev 2.0
4.	74101611-032-473V	Principe fundatie versterking bij mast 32
5.	74101611-032-473V-A3	Voorbeeld Paalberekening mast 32 capaciteit
6.	74101611-13-04V	Principe ontwerp opstelling overspannings afleider 110kV
7.	74101611-13-05V	Principe ontwerp afspanning 110kV opstijgpunt v1.0
8.	74101611-13-06V	Principe ontwerp opstelling kabeleindsluiting 110kV V1.0

ABOUT DNV GL

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Belastingen voor :	**Belastingen opstijgpunt 673 110kV Vierverlaten - Grijpskerk/ Winsum Ranum**
Documentnummer :	**74101611-035-139-A1**

LEESWIJZER BELASTINGSCOMBINATIES

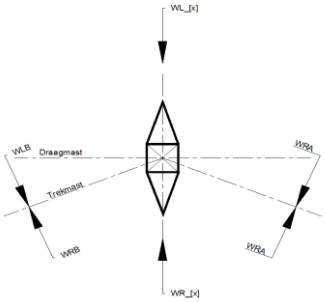
De belastingen gevallen in de tabellen zijn een afgeleide van de tabellen gegeven in de NORM EN50341-3 / Tabel 4.2.11/NL1, NL2,NL3 en NL4. Daar waar relevant zijn deze belasting gevallen opgenomen in de berekening.

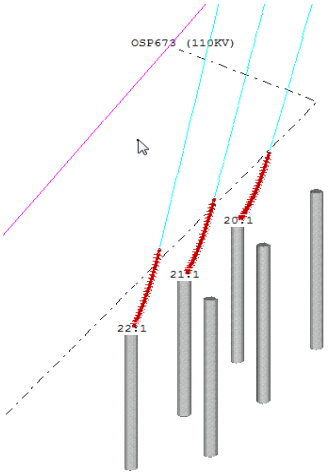
Bijvoorbeeld:
NL1 Lc 1a EWL WRB, staat voor:
NL1 = Tabel 4.2.11/NL1,
Lc 1a = load case 1a (Extreme Wind Load)
EWL = Extreme Wind Load
WBR = Wind in de Back span van Rechts (zie legenda voor overige aanblaashoeken)

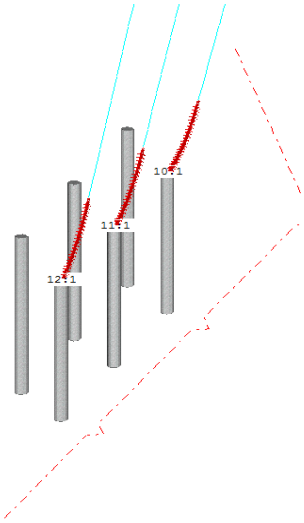
De toevoeging Br:
Br = Breuk, is bedoeld voor de simulatie van geleiderbreuk met verder een verwijzing naar de afspansets. Bijvoorbeeld NL3 Br. Lc 1a EWL WRB 1 20 22 50, breuk op de afspansets 1, 20, 22 en 50.

De toevoeging Ydl 0.9:
Ydl 0.9 = Gamma Deadload, is bedoeld voor de gunstige werking van eigengewicht van de constructie op de fundatie en als dusdanig ook (enkel) van belang voor de fundatie.

Legenda wind invalshoek:	
WL_[x] =	Wind van Links onder een hoek van [x]
WR_[x] =	Wind van Rechts onder een hoek van [x]
WLB =	Wind van Links loodrecht op de geleider in de Back span
WLA =	Wind van Links loodrecht op de geleider in de Ahead span
WRB =	Wind van Rechts loodrecht op de geleider in de Back span
WRA =	Wind van Rechts loodrecht op de geleider in de Ahead span
GW =	Geen Wind







Set en labels

Belastingen voor : Belastingen opstijgpunt 673 110kV Vierverlaten - Grijpskerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW	10	-229	2	-1772	-229	2	-1772
			11	-512	2	-1773	-512	2	-1773
			12	-682	2	-1771	-682	2	-1771
			20	-164	16	-1773	-164	16	-1773
			21	-444	13	-1771	-444	13	-1771
			22	-624	12	-1773	-624	12	-1773
		NL1 Lc 1a EWL WL_0	10	-238	-633	-2093	-238	-633	-2093
			11	-969	-778	-2405	-969	-778	-2405
			12	-1814	-938	-2824	-1814	-938	-2824
			20	-159	-622	-2094	-159	-622	-2094
			21	-868	-767	-2395	-868	-767	-2395
			22	-1704	-927	-2815	-1704	-927	-2815
		NL1 Lc 1a EWL WLA	10	-238	638	-2094	-238	638	-2094
			11	-970	783	-2406	-970	783	-2406
			12	-1816	944	-2826	-1816	944	-2826
			20	-166	660	-2100	-166	660	-2100
			21	-879	804	-2404	-879	804	-2404
			22	-1717	964	-2825	-1717	964	-2825
		NL1 Lc 1a EWL WLB	10	-238	638	-2094	-238	638	-2094
			11	-970	783	-2406	-970	783	-2406
			12	-1816	944	-2826	-1816	944	-2826
			20	-166	660	-2100	-166	660	-2100
			21	-879	804	-2404	-879	804	-2404
			22	-1717	964	-2825	-1717	964	-2825
		NL1 Lc 1a EWL WR_0	10	-238	638	-2094	-238	638	-2094
			11	-970	783	-2406	-970	783	-2406
			12	-1816	944	-2826	-1816	944	-2826
			20	-166	660	-2100	-166	660	-2100
			21	-879	804	-2404	-879	804	-2404
			22	-1717	964	-2825	-1717	964	-2825
		NL1 Lc 1a EWL WRA	10	-238	-633	-2093	-238	-633	-2093
			11	-969	-778	-2405	-969	-778	-2405
			12	-1814	-938	-2824	-1814	-938	-2824
			20	-159	-622	-2094	-159	-622	-2094
			21	-868	-767	-2395	-868	-767	-2395
			22	-1704	-927	-2815	-1704	-927	-2815
		NL1 Lc 1a EWL WRB	10	-238	-633	-2093	-238	-633	-2093
			11	-969	-778	-2405	-969	-778	-2405
			12	-1814	-938	-2824	-1814	-938	-2824
			20	-159	-622	-2094	-159	-622	-2094
			21	-868	-767	-2395	-868	-767	-2395
			22	-1704	-927	-2815	-1704	-927	-2815
		NL1 Lc 1a EWL 0.9 WL_0	10	-663	-634	-2020	-663	-634	-2020
			11	-1377	-780	-2312	-1377	-780	-2312
			12	-2218	-942	-2720	-2218	-942	-2720
			20	-586	-623	-2019	-586	-623	-2019
			21	-1280	-770	-2301	-1280	-770	-2301
			22	-2110	-931	-2709	-2110	-931	-2709
		NL1 Lc 1a EWL 0.9 WLA	10	-664	639	-2021	-664	639	-2021
			11	-1379	785	-2313	-1379	785	-2313
			12	-2220	947	-2721	-2220	947	-2721
			20	-593	660	-2025	-593	660	-2025
			21	-1290	805	-2309	-1290	805	-2309
			22	-2122	967	-2718	-2122	967	-2718
		NL1 Lc 1a EWL 0.9 WLB	10	-664	639	-2021	-664	639	-2021
			11	-1379	785	-2313	-1379	785	-2313
			12	-2220	947	-2721	-2220	947	-2721
			20	-593	660	-2025	-593	660	-2025
			21	-1290	805	-2309	-1290	805	-2309
			22	-2122	967	-2718	-2122	967	-2718
		NL1 Lc 1a EWL 0.9 WR_0	10	-664	639	-2021	-664	639	-2021
			11	-1379	785	-2313	-1379	785	-2313
			12	-2220	947	-2721	-2220	947	-2721
			20	-593	660	-2025	-593	660	-2025
			21	-1290	805	-2309	-1290	805	-2309
			22	-2122	967	-2718	-2122	967	-2718
		NL1 Lc 1a EWL 0.9 WRA	10	-663	-634	-2020	-663	-634	-2020
			11	-1377	-780	-2312	-1377	-780	-2312
			12	-2218	-942	-2720	-2218	-942	-2720
			20	-586	-623	-2019	-586	-623	-2019
			21	-1280	-770	-2301	-1280	-770	-2301
			22	-2110	-931	-2709	-2110	-931	-2709
		NL1 Lc 1a EWL 0.9 WRB	10	-663	-634	-2020	-663	-634	-2020
			11	-1377	-780	-2312	-1377	-780	-2312
			12	-2218	-942	-2720	-2218	-942	-2720

Belastingen voor : Belastingen opstijgpunt 673 110kV Vierverlaten - Grijpskerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 1a EWL 0.9 WRB	20	-586	-623	-2019	-586	-623	-2019
			21	-1280	-770	-2301	-1280	-770	-2301
			22	-2110	-931	-2709	-2110	-931	-2709
		NL1 Lc 1b Cold WL_0	10	-78	-474	-1944	-78	-474	-1944
			11	-490	-506	-2032	-490	-506	-2032
			12	-813	-541	-2123	-813	-541	-2123
			20	-2	-460	-1942	-2	-460	-1942
			21	-403	-494	-2022	-403	-494	-2022
			22	-729	-530	-2116	-729	-530	-2116
		NL1 Lc 1b Cold WLA	10	-78	479	-1945	-78	479	-1945
			11	-491	510	-2033	-491	510	-2033
			12	-814	545	-2124	-814	545	-2124
			20	-7	495	-1947	-7	495	-1947
			21	-410	525	-2028	-410	525	-2028
			22	-738	557	-2122	-738	557	-2122
		NL1 Lc 1b Cold WLB	10	-78	479	-1945	-78	479	-1945
			11	-491	510	-2033	-491	510	-2033
			12	-814	545	-2124	-814	545	-2124
			20	-7	495	-1947	-7	495	-1947
			21	-410	525	-2028	-410	525	-2028
			22	-738	557	-2122	-738	557	-2122
		NL1 Lc 1b Cold WR_0	10	-78	479	-1945	-78	479	-1945
			11	-491	510	-2033	-491	510	-2033
			12	-814	545	-2124	-814	545	-2124
			20	-7	495	-1947	-7	495	-1947
			21	-410	525	-2028	-410	525	-2028
			22	-738	557	-2122	-738	557	-2122
		NL1 Lc 1b Cold WRA	10	-78	-474	-1944	-78	-474	-1944
			11	-490	-506	-2032	-490	-506	-2032
			12	-813	-541	-2123	-813	-541	-2123
			20	-2	-460	-1942	-2	-460	-1942
			21	-403	-494	-2022	-403	-494	-2022
			22	-729	-530	-2116	-729	-530	-2116
		NL1 Lc 1b Cold WRB	10	-78	-474	-1944	-78	-474	-1944
			11	-490	-506	-2032	-490	-506	-2032
			12	-813	-541	-2123	-813	-541	-2123
			20	-2	-460	-1942	-2	-460	-1942
			21	-403	-494	-2022	-403	-494	-2022
			22	-729	-530	-2116	-729	-530	-2116
		NL1 Lc 1b Cold 0.9 WL_0	10	-492	-474	-1862	-492	-474	-1862
			11	-863	-507	-1911	-863	-507	-1911
			12	-1136	-542	-1963	-1136	-542	-1963
			20	-418	-461	-1857	-418	-461	-1857
			21	-778	-495	-1899	-778	-495	-1899
			22	-1056	-531	-1954	-1056	-531	-1954
		NL1 Lc 1b Cold 0.9 WLA	10	-493	479	-1862	-493	479	-1862
			11	-864	511	-1912	-864	511	-1912
			12	-1137	545	-1964	-1137	545	-1964
			20	-423	495	-1862	-423	495	-1862
			21	-785	524	-1905	-785	524	-1905
			22	-1063	557	-1959	-1063	557	-1959
		NL1 Lc 1b Cold 0.9 WLB	10	-493	479	-1862	-493	479	-1862
			11	-864	511	-1912	-864	511	-1912
			12	-1137	545	-1964	-1137	545	-1964
			20	-423	495	-1862	-423	495	-1862
			21	-785	524	-1905	-785	524	-1905
			22	-1063	557	-1959	-1063	557	-1959
		NL1 Lc 1b Cold 0.9 WR_0	10	-493	479	-1862	-493	479	-1862
			11	-864	511	-1912	-864	511	-1912
			12	-1137	545	-1964	-1137	545	-1964
			20	-423	495	-1862	-423	495	-1862
			21	-785	524	-1905	-785	524	-1905
			22	-1063	557	-1959	-1063	557	-1959
		NL1 Lc 1b Cold 0.9 WRA	10	-492	-474	-1862	-492	-474	-1862
			11	-863	-507	-1911	-863	-507	-1911
			12	-1136	-542	-1963	-1136	-542	-1963
			20	-418	-461	-1857	-418	-461	-1857
			21	-778	-495	-1899	-778	-495	-1899
			22	-1056	-531	-1954	-1056	-531	-1954
		NL1 Lc 1b Cold 0.9 WRB	10	-492	-474	-1862	-492	-474	-1862
			11	-863	-507	-1911	-863	-507	-1911
			12	-1136	-542	-1963	-1136	-542	-1963
			20	-418	-461	-1857	-418	-461	-1857
			21	-778	-495	-1899	-778	-495	-1899
			22	-1056	-531	-1954	-1056	-531	-1954

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 3 Wind + ice WL_0	10	-471	-594	-2635	-471	-594	-2635
			11	-1401	-716	-3134	-1401	-716	-3134
			12	-2389	-850	-3690	-2389	-850	-3690
			20	-383	-577	-2651	-383	-577	-2651
			21	-1284	-699	-3137	-1284	-699	-3137
			22	-2262	-833	-3694	-2262	-833	-3694
		NL1 Lc 3 Wind + ice WLA	10	-472	600	-2635	-472	600	-2635
			11	-1402	723	-3135	-1402	723	-3135
			12	-2392	857	-3692	-2392	857	-3692
			20	-391	626	-2659	-391	626	-2659
			21	-1299	747	-3148	-1299	747	-3148
			22	-2282	882	-3708	-2282	882	-3708
		NL1 Lc 3 Wind + ice WLB	10	-472	600	-2635	-472	600	-2635
			11	-1402	723	-3135	-1402	723	-3135
			12	-2392	857	-3692	-2392	857	-3692
			20	-391	626	-2659	-391	626	-2659
			21	-1299	747	-3148	-1299	747	-3148
			22	-2282	882	-3708	-2282	882	-3708
		NL1 Lc 3 Wind + ice WR_0	10	-472	600	-2635	-472	600	-2635
			11	-1402	723	-3135	-1402	723	-3135
			12	-2392	857	-3692	-2392	857	-3692
			20	-391	626	-2659	-391	626	-2659
			21	-1299	747	-3148	-1299	747	-3148
			22	-2282	882	-3708	-2282	882	-3708
		NL1 Lc 3 Wind + ice WRA	10	-471	-594	-2635	-471	-594	-2635
			11	-1401	-716	-3134	-1401	-716	-3134
			12	-2389	-850	-3690	-2389	-850	-3690
			20	-383	-577	-2651	-383	-577	-2651
			21	-1284	-699	-3137	-1284	-699	-3137
			22	-2262	-833	-3694	-2262	-833	-3694
		NL1 Lc 3 Wind + ice WRB	10	-471	-594	-2635	-471	-594	-2635
			11	-1401	-716	-3134	-1401	-716	-3134
			12	-2389	-850	-3690	-2389	-850	-3690
			20	-383	-577	-2651	-383	-577	-2651
			21	-1284	-699	-3137	-1284	-699	-3137
			22	-2262	-833	-3694	-2262	-833	-3694
		NL1 Lc 3 Wind + ice 0.9 WL_0	10	-875	-594	-2543	-875	-594	-2543
			11	-1758	-717	-3003	-1758	-717	-3003
			12	-2701	-852	-3525	-2701	-852	-3525
			20	-788	-579	-2557	-788	-579	-2557
			21	-1645	-701	-3004	-1645	-701	-3004
			22	-2577	-836	-3525	-2577	-836	-3525
		NL1 Lc 3 Wind + ice 0.9 WLA	10	-876	601	-2544	-876	601	-2544
			11	-1760	723	-3005	-1760	723	-3005
			12	-2704	858	-3527	-2704	858	-3527
			20	-796	625	-2564	-796	625	-2564
			21	-1659	747	-3015	-1659	747	-3015
			22	-2596	882	-3539	-2596	882	-3539
		NL1 Lc 3 Wind + ice 0.9 WLB	10	-876	601	-2544	-876	601	-2544
			11	-1760	723	-3005	-1760	723	-3005
			12	-2704	858	-3527	-2704	858	-3527
			20	-796	625	-2564	-796	625	-2564
			21	-1659	747	-3015	-1659	747	-3015
			22	-2596	882	-3539	-2596	882	-3539
		NL1 Lc 3 Wind + ice 0.9 WR_0	10	-876	601	-2544	-876	601	-2544
			11	-1760	723	-3005	-1760	723	-3005
			12	-2704	858	-3527	-2704	858	-3527
			20	-796	625	-2564	-796	625	-2564
			21	-1659	747	-3015	-1659	747	-3015
			22	-2596	882	-3539	-2596	882	-3539
		NL1 Lc 3 Wind + ice 0.9 WRA	10	-875	-594	-2543	-875	-594	-2543
			11	-1758	-717	-3003	-1758	-717	-3003
			12	-2701	-852	-3525	-2701	-852	-3525
			20	-788	-579	-2557	-788	-579	-2557
			21	-1645	-701	-3004	-1645	-701	-3004
			22	-2577	-836	-3525	-2577	-836	-3525
		NL1 Lc 3 Wind + ice 0.9 WRB	10	-875	-594	-2543	-875	-594	-2543
			11	-1758	-717	-3003	-1758	-717	-3003
			12	-2701	-852	-3525	-2701	-852	-3525
			20	-788	-579	-2557	-788	-579	-2557
			21	-1645	-701	-3004	-1645	-701	-3004
			22	-2577	-836	-3525	-2577	-836	-3525
		NL1 Lc 4 Con & Main WL_0	10	-20	-426	-1890	-20	-426	-1890
			11	-376	-455	-1942	-376	-455	-1942

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 4 Con & Main WL_0	12	-632	-486	-1995	-632	-486	-1995
			20	52	-412	-1890	52	-412	-1890
			21	-298	-443	-1937	-298	-443	-1937
			22	-562	-475	-1994	-562	-475	-1994
		NL1 Lc 4 Con & Main WLA	10	-20	431	-1891	-20	431	-1891
			11	-377	459	-1943	-377	459	-1943
			12	-633	489	-1996	-633	489	-1996
			20	48	447	-1895	48	447	-1895
			21	-304	472	-1942	-304	472	-1942
			22	-569	501	-1999	-569	501	-1999
		NL1 Lc 4 Con & Main WLB	10	-20	431	-1891	-20	431	-1891
			11	-377	459	-1943	-377	459	-1943
			12	-633	489	-1996	-633	489	-1996
			20	48	447	-1895	48	447	-1895
			21	-304	472	-1942	-304	472	-1942
			22	-569	501	-1999	-569	501	-1999
		NL1 Lc 4 Con & Main WR_0	10	-20	431	-1891	-20	431	-1891
			11	-377	459	-1943	-377	459	-1943
			12	-633	489	-1996	-633	489	-1996
			20	48	447	-1895	48	447	-1895
			21	-304	472	-1942	-304	472	-1942
			22	-569	501	-1999	-569	501	-1999
		NL1 Lc 4 Con & Main WRA	10	-20	-426	-1890	-20	-426	-1890
			11	-376	-455	-1942	-376	-455	-1942
			12	-632	-486	-1995	-632	-486	-1995
			20	52	-412	-1890	52	-412	-1890
			21	-298	-443	-1937	-298	-443	-1937
			22	-562	-475	-1994	-562	-475	-1994
		NL1 Lc 4 Con & Main WRB	10	-20	-426	-1890	-20	-426	-1890
			11	-376	-455	-1942	-376	-455	-1942
			12	-632	-486	-1995	-632	-486	-1995
			20	52	-412	-1890	52	-412	-1890
			21	-298	-443	-1937	-298	-443	-1937
			22	-562	-475	-1994	-562	-475	-1994
		NL1 Lc 4 Con & Main 0.9 WL_0	10	-436	-426	-1808	-436	-426	-1808
			11	-752	-455	-1824	-752	-455	-1824
			12	-962	-486	-1840	-962	-486	-1840
			20	-365	-413	-1806	-365	-413	-1806
			21	-676	-444	-1817	-676	-444	-1817
			22	-894	-477	-1837	-894	-477	-1837
		NL1 Lc 4 Con & Main 0.9 WLA	10	-436	431	-1809	-436	431	-1809
			11	-753	459	-1825	-753	459	-1825
			12	-963	490	-1841	-963	490	-1841
			20	-369	446	-1810	-369	446	-1810
			21	-682	472	-1821	-682	472	-1821
			22	-901	501	-1842	-901	501	-1842
		NL1 Lc 4 Con & Main 0.9 WLB	10	-436	431	-1809	-436	431	-1809
			11	-753	459	-1825	-753	459	-1825
			12	-963	490	-1841	-963	490	-1841
			20	-369	446	-1810	-369	446	-1810
			21	-682	472	-1821	-682	472	-1821
			22	-901	501	-1842	-901	501	-1842
		NL1 Lc 4 Con & Main 0.9 WR_0	10	-436	431	-1809	-436	431	-1809
			11	-753	459	-1825	-753	459	-1825
			12	-963	490	-1841	-963	490	-1841
			20	-369	446	-1810	-369	446	-1810
			21	-682	472	-1821	-682	472	-1821
			22	-901	501	-1842	-901	501	-1842
		NL1 Lc 4 Con & Main 0.9 WRA	10	-436	-426	-1808	-436	-426	-1808
			11	-752	-455	-1824	-752	-455	-1824
			12	-962	-486	-1840	-962	-486	-1840
			20	-365	-413	-1806	-365	-413	-1806
			21	-676	-444	-1817	-676	-444	-1817
			22	-894	-477	-1837	-894	-477	-1837
		NL1 Lc 4 Con & Main 0.9 WRB	10	-436	-426	-1808	-436	-426	-1808
			11	-752	-455	-1824	-752	-455	-1824
			12	-962	-486	-1840	-962	-486	-1840
			20	-365	-413	-1806	-365	-413	-1806
			21	-676	-444	-1817	-676	-444	-1817
			22	-894	-477	-1837	-894	-477	-1837
		NL1 Lc 6 Permanent GW	10	251	2	-1872	251	2	-1872
			11	-87	2	-1921	-87	2	-1921
			12	-319	2	-1967	-319	2	-1967
			20	318	17	-1876	318	17	-1876
			21	-16	15	-1921	-16	15	-1921

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		NL1 Lc 6 Permanent GW	22	-258	13	-1972	-258	13	-1972
		NL1 Lc 6 Permanent 0.9 GW	10	-367	2	-1744	-367	2	-1744
			11	-636	2	-1732	-636	2	-1732
			12	-789	2	-1717	-789	2	-1717
			20	-302	16	-1744	-302	16	-1744
			21	-569	13	-1729	-569	13	-1729
			22	-732	11	-1718	-732	11	-1718
		NL3 Br. Lc 1a EWL 0.9 WLA 5 23 25	10	-507	514	-1875	-507	514	-1875
			11	-941	588	-1973	-941	588	-1973
			12	-1346	670	-2111	-1346	670	-2111
			20	-439	531	-1877	-439	531	-1877
			21	-865	603	-1969	-865	603	-1969
			22	-1273	684	-2110	-1273	684	-2110
		NL3 Br. Lc 1a EWL 0.9 WLA 7 33 35	10	-507	514	-1875	-507	514	-1875
			11	-941	588	-1973	-941	588	-1973
			12	-1346	670	-2111	-1346	670	-2111
			20	-439	531	-1877	-439	531	-1877
			21	-865	603	-1969	-865	603	-1969
			22	-1273	684	-2110	-1273	684	-2110
		NL3 Br. Lc 1a EWL 0.9 WLB 5 23 25	10	-507	514	-1875	-507	514	-1875
			11	-941	588	-1973	-941	588	-1973
			12	-1346	670	-2111	-1346	670	-2111
			20	-439	531	-1877	-439	531	-1877
			21	-865	603	-1969	-865	603	-1969
			22	-1273	684	-2110	-1273	684	-2110
		NL3 Br. Lc 1a EWL 0.9 WLB 7 33 35	10	-507	514	-1875	-507	514	-1875
			11	-941	588	-1973	-941	588	-1973
			12	-1346	670	-2111	-1346	670	-2111
			20	-439	531	-1877	-439	531	-1877
			21	-865	603	-1969	-865	603	-1969
			22	-1273	684	-2110	-1273	684	-2110
		NL3 Br. Lc 1a EWL 0.9 WRA 5 23 25	10	-506	-509	-1874	-506	-509	-1874
			11	-940	-584	-1972	-940	-584	-1972
			12	-1344	-666	-2110	-1344	-666	-2110
			20	-433	-497	-1871	-433	-497	-1871
			21	-857	-573	-1963	-857	-573	-1963
			22	-1263	-657	-2103	-1263	-657	-2103
		NL3 Br. Lc 1a EWL 0.9 WRA 7 33 35	10	-506	-509	-1874	-506	-509	-1874
			11	-940	-584	-1972	-940	-584	-1972
			12	-1344	-666	-2110	-1344	-666	-2110
			20	-433	-497	-1871	-433	-497	-1871
			21	-857	-573	-1963	-857	-573	-1963
			22	-1263	-657	-2103	-1263	-657	-2103
		NL3 Br. Lc 1a EWL 0.9 WRB 5 23 25	10	-506	-509	-1874	-506	-509	-1874
			11	-940	-584	-1972	-940	-584	-1972
			12	-1344	-666	-2110	-1344	-666	-2110
			20	-433	-497	-1871	-433	-497	-1871
			21	-857	-573	-1963	-857	-573	-1963
			22	-1263	-657	-2103	-1263	-657	-2103
		NL3 Br. Lc 1a EWL 0.9 WRB 7 33 35	10	-506	-509	-1874	-506	-509	-1874
			11	-940	-584	-1972	-940	-584	-1972
			12	-1344	-666	-2110	-1344	-666	-2110
			20	-433	-497	-1871	-433	-497	-1871
			21	-857	-573	-1963	-857	-573	-1963
			22	-1263	-657	-2103	-1263	-657	-2103
		NL3 Br. Lc 1b Cold 0.9 WLA 5 23 25	10	-485	467	-1855	-485	467	-1855
			11	-843	493	-1896	-843	493	-1896
			12	-1096	520	-1935	-1096	520	-1935
			20	-415	483	-1854	-415	483	-1854
			21	-765	506	-1888	-765	506	-1888
			22	-1024	532	-1931	-1024	532	-1931
		NL3 Br. Lc 1b Cold 0.9 WLA 7 33 35	10	-485	467	-1855	-485	467	-1855
			11	-843	493	-1896	-843	493	-1896
			12	-1096	520	-1935	-1096	520	-1935
			20	-415	483	-1854	-415	483	-1854
			21	-765	506	-1888	-765	506	-1888
			22	-1024	532	-1931	-1024	532	-1931
		NL3 Br. Lc 1b Cold 0.9 WLB 5 23 25	10	-485	467	-1855	-485	467	-1855
			11	-843	493	-1896	-843	493	-1896
			12	-1096	520	-1935	-1096	520	-1935
			20	-415	483	-1854	-415	483	-1854
			21	-765	506	-1888	-765	506	-1888
			22	-1024	532	-1931	-1024	532	-1931
		NL3 Br. Lc 1b Cold 0.9 WLB 7 33 35	10	-485	467	-1855	-485	467	-1855

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1b Cold 0.9 WLB 7 33 35	11	-843	493	-1896	-843	493	-1896
			12	-1096	520	-1935	-1096	520	-1935
			20	-415	483	-1854	-415	483	-1854
			21	-765	506	-1888	-765	506	-1888
			22	-1024	532	-1931	-1024	532	-1931
		NL3 Br. Lc 1b Cold 0.9 WRA 5 23 25	10	-484	-463	-1854	-484	-463	-1854
			11	-842	-489	-1895	-842	-489	-1895
			12	-1095	-517	-1934	-1095	-517	-1934
			20	-410	-449	-1849	-410	-449	-1849
			21	-759	-477	-1883	-759	-477	-1883
			22	-1017	-507	-1925	-1017	-507	-1925
		NL3 Br. Lc 1b Cold 0.9 WRA 7 33 35	10	-484	-463	-1854	-484	-463	-1854
			11	-842	-489	-1895	-842	-489	-1895
			12	-1095	-517	-1934	-1095	-517	-1934
			20	-410	-449	-1849	-410	-449	-1849
			21	-759	-477	-1883	-759	-477	-1883
			22	-1017	-507	-1925	-1017	-507	-1925
		NL3 Br. Lc 1b Cold 0.9 WRB 5 23 25	10	-484	-463	-1854	-484	-463	-1854
			11	-842	-489	-1895	-842	-489	-1895
			12	-1095	-517	-1934	-1095	-517	-1934
			20	-410	-449	-1849	-410	-449	-1849
			21	-759	-477	-1883	-759	-477	-1883
			22	-1017	-507	-1925	-1017	-507	-1925
		NL3 Br. Lc 1b Cold 0.9 WRB 7 33 35	10	-484	-463	-1854	-484	-463	-1854
			11	-842	-489	-1895	-842	-489	-1895
			12	-1095	-517	-1934	-1095	-517	-1934
			20	-410	-449	-1849	-410	-449	-1849
			21	-759	-477	-1883	-759	-477	-1883
			22	-1017	-507	-1925	-1017	-507	-1925
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 5 23	10	-667	482	-2242	-667	482	-2242
			11	-1264	538	-2487	-1264	538	-2487
			12	-1817	599	-2750	-1817	599	-2750
			20	-592	501	-2255	-592	501	-2255
			21	-1177	556	-2493	-1177	556	-2493
			22	-1733	616	-2760	-1733	616	-2760
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 7 33	10	-667	482	-2242	-667	482	-2242
			11	-1264	538	-2487	-1264	538	-2487
			12	-1817	599	-2750	-1817	599	-2750
			20	-592	501	-2255	-592	501	-2255
			21	-1177	556	-2493	-1177	556	-2493
			22	-1733	616	-2760	-1733	616	-2760
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 5 23	10	-667	482	-2242	-667	482	-2242
			11	-1264	538	-2487	-1264	538	-2487
			12	-1817	599	-2750	-1817	599	-2750
			20	-592	501	-2255	-592	501	-2255
			21	-1177	556	-2493	-1177	556	-2493
			22	-1733	616	-2760	-1733	616	-2760
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 7 33	10	-667	482	-2242	-667	482	-2242
			11	-1264	538	-2487	-1264	538	-2487
			12	-1817	599	-2750	-1817	599	-2750
			20	-592	501	-2255	-592	501	-2255
			21	-1177	556	-2493	-1177	556	-2493
			22	-1733	616	-2760	-1733	616	-2760
		NL3 Br. Lc 3 Wind + ice 0.9 WRA 5 23	10	-666	-476	-2241	-666	-476	-2241
			11	-1263	-532	-2486	-1263	-532	-2486
			12	-1816	-594	-2749	-1816	-594	-2749
			20	-587	-460	-2249	-587	-460	-2249
			21	-1168	-518	-2485	-1168	-518	-2485
			22	-1722	-581	-2752	-1722	-581	-2752
		NL3 Br. Lc 3 Wind + ice 0.9 WRA 7 33	10	-666	-476	-2241	-666	-476	-2241
			11	-1263	-532	-2486	-1263	-532	-2486
			12	-1816	-594	-2749	-1816	-594	-2749
			20	-587	-460	-2249	-587	-460	-2249
			21	-1168	-518	-2485	-1168	-518	-2485
			22	-1722	-581	-2752	-1722	-581	-2752
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 5 23	10	-666	-476	-2241	-666	-476	-2241
			11	-1263	-532	-2486	-1263	-532	-2486
			12	-1816	-594	-2749	-1816	-594	-2749
			20	-587	-460	-2249	-587	-460	-2249
			21	-1168	-518	-2485	-1168	-518	-2485
			22	-1722	-581	-2752	-1722	-581	-2752
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 7 33	10	-666	-476	-2241	-666	-476	-2241
			11	-1263	-532	-2486	-1263	-532	-2486
			12	-1816	-594	-2749	-1816	-594	-2749
			20	-587	-460	-2249	-587	-460	-2249

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 7 33	21	-1168	-518	-2485	-1168	-518	-2485
			22	-1722	-581	-2752	-1722	-581	-2752
		NL3 Br. Lc 4 Con & Main 0.9 WLA 5 2	10	-430	420	-1803	-430	420	-1803
			11	-736	443	-1812	-736	443	-1812
			12	-932	467	-1818	-932	467	-1818
			20	-363	435	-1804	-363	435	-1804
			21	-666	456	-1808	-666	456	-1808
			22	-870	478	-1819	-870	478	-1819
		NL3 Br. Lc 4 Con & Main 0.9 WLA 7 3	10	-430	420	-1803	-430	420	-1803
			11	-736	443	-1812	-736	443	-1812
			12	-932	467	-1818	-932	467	-1818
			20	-363	435	-1804	-363	435	-1804
			21	-666	456	-1808	-666	456	-1808
			22	-870	478	-1819	-870	478	-1819
		NL3 Br. Lc 4 Con & Main 0.9 WLB 5 2	10	-430	420	-1803	-430	420	-1803
			11	-736	443	-1812	-736	443	-1812
			12	-932	467	-1818	-932	467	-1818
			20	-363	435	-1804	-363	435	-1804
			21	-666	456	-1808	-666	456	-1808
			22	-870	478	-1819	-870	478	-1819
		NL3 Br. Lc 4 Con & Main 0.9 WLB 7 3	10	-430	420	-1803	-430	420	-1803
			11	-736	443	-1812	-736	443	-1812
			12	-932	467	-1818	-932	467	-1818
			20	-363	435	-1804	-363	435	-1804
			21	-666	456	-1808	-666	456	-1808
			22	-870	478	-1819	-870	478	-1819
		NL3 Br. Lc 4 Con & Main 0.9 WRA 5 2	10	-429	-416	-1802	-429	-416	-1802
			11	-735	-439	-1811	-735	-439	-1811
			12	-931	-464	-1818	-931	-464	-1818
			20	-359	-402	-1799	-359	-402	-1799
			21	-661	-428	-1804	-661	-428	-1804
			22	-864	-455	-1815	-864	-455	-1815
		NL3 Br. Lc 4 Con & Main 0.9 WRA 7 2	10	-429	-416	-1802	-429	-416	-1802
			11	-735	-439	-1811	-735	-439	-1811
			12	-931	-464	-1818	-931	-464	-1818
			20	-359	-402	-1799	-359	-402	-1799
			21	-661	-428	-1804	-661	-428	-1804
			22	-864	-455	-1815	-864	-455	-1815
		NL3 Br. Lc 4 Con & Main 0.9 WRB 5 2	10	-429	-416	-1802	-429	-416	-1802
			11	-735	-439	-1811	-735	-439	-1811
			12	-931	-464	-1818	-931	-464	-1818
			20	-359	-402	-1799	-359	-402	-1799
			21	-661	-428	-1804	-661	-428	-1804
			22	-864	-455	-1815	-864	-455	-1815
		NL3 Br. Lc 4 Con & Main 0.9 WRB 7 3	10	-429	-416	-1802	-429	-416	-1802
			11	-735	-439	-1811	-735	-439	-1811
			12	-931	-464	-1818	-931	-464	-1818
			20	-359	-402	-1799	-359	-402	-1799
			21	-661	-428	-1804	-661	-428	-1804
			22	-864	-455	-1815	-864	-455	-1815
		NL3 Br. Lc 1a EWL WLA 1 20 22 50	10	-88	513	-1954	-88	513	-1954
			11	-554	587	-2082	-554	587	-2082
			12	-988	668	-2246	-988	668	-2246
		NL3 Br. Lc 1a EWL WLA 3 30 32 52	10	-88	513	-1954	-88	513	-1954
			11	-554	587	-2082	-554	587	-2082
			12	-988	668	-2246	-988	668	-2246
			20	-18	531	-1958	-18	531	-1958
			21	-476	603	-2081	-476	603	-2081
			22	-913	683	-2248	-913	683	-2248
		NL3 Br. Lc 1a EWL WLA Ah	10	-88	513	-1954	-88	513	-1954
			11	-554	587	-2082	-554	587	-2082
			12	-988	668	-2246	-988	668	-2246
			20	-18	531	-1958	-18	531	-1958
			21	-476	603	-2081	-476	603	-2081
			22	-913	683	-2248	-913	683	-2248
		NL3 Br. Lc 1a EWL WLB 1 20 22 50	10	-88	513	-1954	-88	513	-1954
			11	-554	587	-2082	-554	587	-2082
			12	-988	668	-2246	-988	668	-2246
		NL3 Br. Lc 1a EWL WLB 3 30 32 52	10	-88	513	-1954	-88	513	-1954
			11	-554	587	-2082	-554	587	-2082
			12	-988	668	-2246	-988	668	-2246
			20	-18	531	-1958	-18	531	-1958
			21	-476	603	-2081	-476	603	-2081
			22	-913	683	-2248	-913	683	-2248

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1a EWL WLB Ah	10	-88	513	-1954	-88	513	-1954
			11	-554	587	-2082	-554	587	-2082
			12	-988	668	-2246	-988	668	-2246
			20	-18	531	-1958	-18	531	-1958
			21	-476	603	-2081	-476	603	-2081
			22	-913	683	-2248	-913	683	-2248
		NL3 Br. Lc 1a EWL WRA 1 20 22 50	10	-87	-508	-1953	-87	-508	-1953
			11	-553	-583	-2081	-553	-583	-2081
			12	-986	-664	-2245	-986	-664	-2245
		NL3 Br. Lc 1a EWL WRA 3 30 32 52	10	-87	-508	-1953	-87	-508	-1953
			11	-553	-583	-2081	-553	-583	-2081
			12	-986	-664	-2245	-986	-664	-2245
			20	-13	-495	-1953	-13	-495	-1953
			21	-467	-571	-2074	-467	-571	-2074
			22	-902	-654	-2241	-902	-654	-2241
		NL3 Br. Lc 1a EWL WRA Ah	10	-87	-508	-1953	-87	-508	-1953
			11	-553	-583	-2081	-553	-583	-2081
			12	-986	-664	-2245	-986	-664	-2245
			20	-13	-495	-1953	-13	-495	-1953
			21	-467	-571	-2074	-467	-571	-2074
			22	-902	-654	-2241	-902	-654	-2241
		NL3 Br. Lc 1a EWL WRB 1 20 22 50	10	-87	-508	-1953	-87	-508	-1953
			11	-553	-583	-2081	-553	-583	-2081
			12	-986	-664	-2245	-986	-664	-2245
		NL3 Br. Lc 1a EWL WRB 3 30 32 52	10	-87	-508	-1953	-87	-508	-1953
			11	-553	-583	-2081	-553	-583	-2081
			12	-986	-664	-2245	-986	-664	-2245
			20	-13	-495	-1953	-13	-495	-1953
			21	-467	-571	-2074	-467	-571	-2074
			22	-902	-654	-2241	-902	-654	-2241
		NL3 Br. Lc 1a EWL WRB Ah	10	-87	-508	-1953	-87	-508	-1953
			11	-553	-583	-2081	-553	-583	-2081
			12	-986	-664	-2245	-986	-664	-2245
			20	-13	-495	-1953	-13	-495	-1953
			21	-467	-571	-2074	-467	-571	-2074
			22	-902	-654	-2241	-902	-654	-2241
		NL3 Br. Lc 1b Cold WLA 1 20 22 50	10	-70	467	-1938	-70	467	-1938
			11	-472	493	-2018	-472	493	-2018
			12	-777	520	-2097	-777	520	-2097
		NL3 Br. Lc 1b Cold WLA 3 30 32 52	10	-70	467	-1938	-70	467	-1938
			11	-472	493	-2018	-472	493	-2018
			12	-777	520	-2097	-777	520	-2097
			20	1	483	-1940	1	483	-1940
			21	-391	506	-2013	-391	506	-2013
			22	-701	532	-2095	-701	532	-2095
		NL3 Br. Lc 1b Cold WLA Ah	10	-70	467	-1938	-70	467	-1938
			11	-472	493	-2018	-472	493	-2018
			12	-777	520	-2097	-777	520	-2097
			20	1	483	-1940	1	483	-1940
			21	-391	506	-2013	-391	506	-2013
			22	-701	532	-2095	-701	532	-2095
		NL3 Br. Lc 1b Cold WLB 1 20 22 50	10	-70	467	-1938	-70	467	-1938
			11	-472	493	-2018	-472	493	-2018
			12	-777	520	-2097	-777	520	-2097
		NL3 Br. Lc 1b Cold WLB 3 30 32 52	10	-70	467	-1938	-70	467	-1938
			11	-472	493	-2018	-472	493	-2018
			12	-777	520	-2097	-777	520	-2097
			20	1	483	-1940	1	483	-1940
			21	-391	506	-2013	-391	506	-2013
			22	-701	532	-2095	-701	532	-2095
		NL3 Br. Lc 1b Cold WLB Ah	10	-70	467	-1938	-70	467	-1938
			11	-472	493	-2018	-472	493	-2018
			12	-777	520	-2097	-777	520	-2097
			20	1	483	-1940	1	483	-1940
			21	-391	506	-2013	-391	506	-2013
			22	-701	532	-2095	-701	532	-2095
		NL3 Br. Lc 1b Cold WRA 1 20 22 50	10	-70	-462	-1937	-70	-462	-1937
			11	-471	-488	-2017	-471	-488	-2017
			12	-775	-516	-2096	-775	-516	-2096
		NL3 Br. Lc 1b Cold WRA 3 30 32 52	10	-70	-462	-1937	-70	-462	-1937
			11	-471	-488	-2017	-471	-488	-2017
			12	-775	-516	-2096	-775	-516	-2096

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1b Cold WRA 3 30 32 52	20	6	-448	-1935	6	-448	-1935
			21	-385	-476	-2007	-385	-476	-2007
			22	-693	-505	-2090	-693	-505	-2090
		NL3 Br. Lc 1b Cold WRA Ah	10	-70	-462	-1937	-70	-462	-1937
			11	-471	-488	-2017	-471	-488	-2017
			12	-775	-516	-2096	-775	-516	-2096
			20	6	-448	-1935	6	-448	-1935
			21	-385	-476	-2007	-385	-476	-2007
			22	-693	-505	-2090	-693	-505	-2090
		NL3 Br. Lc 1b Cold WRB 1 20 22 50	10	-70	-462	-1937	-70	-462	-1937
			11	-471	-488	-2017	-471	-488	-2017
			12	-775	-516	-2096	-775	-516	-2096
		NL3 Br. Lc 1b Cold WRB 3 30 32 52	10	-70	-462	-1937	-70	-462	-1937
			11	-471	-488	-2017	-471	-488	-2017
			12	-775	-516	-2096	-775	-516	-2096
			20	6	-448	-1935	6	-448	-1935
			21	-385	-476	-2007	-385	-476	-2007
			22	-693	-505	-2090	-693	-505	-2090
		NL3 Br. Lc 1b Cold WRB Ah	10	-70	-462	-1937	-70	-462	-1937
			11	-471	-488	-2017	-471	-488	-2017
			12	-775	-516	-2096	-775	-516	-2096
			20	6	-448	-1935	6	-448	-1935
			21	-385	-476	-2007	-385	-476	-2007
			22	-693	-505	-2090	-693	-505	-2090
		NL3 Br. Lc 3 Wind + ice WLA 1 20 22	10	-140	486	-2077	-140	486	-2077
			11	-651	545	-2247	-651	545	-2247
			12	-1113	609	-2439	-1113	609	-2439
		NL3 Br. Lc 3 Wind + ice WLA 3 30 32	10	-140	486	-2077	-140	486	-2077
			11	-651	545	-2247	-651	545	-2247
			12	-1113	609	-2439	-1113	609	-2439
			20	-68	505	-2084	-68	505	-2084
			21	-568	561	-2248	-568	561	-2248
			22	-1033	625	-2443	-1033	625	-2443
		NL3 Br. Lc 3 Wind + ice WLA Ah	10	-303	530	-2371	-303	530	-2371
			11	-1014	613	-2702	-1014	613	-2702
			12	-1721	704	-3069	-1721	704	-3069
			20	-226	552	-2387	-226	552	-2387
			21	-921	634	-2710	-921	634	-2710
			22	-1629	724	-3081	-1629	724	-3081
		NL3 Br. Lc 3 Wind + ice WLB 1 20 22	10	-140	486	-2077	-140	486	-2077
			11	-651	545	-2247	-651	545	-2247
			12	-1113	609	-2439	-1113	609	-2439
		NL3 Br. Lc 3 Wind + ice WLB 3 30 32	10	-140	486	-2077	-140	486	-2077
			11	-651	545	-2247	-651	545	-2247
			12	-1113	609	-2439	-1113	609	-2439
			20	-68	505	-2084	-68	505	-2084
			21	-568	561	-2248	-568	561	-2248
			22	-1033	625	-2443	-1033	625	-2443
		NL3 Br. Lc 3 Wind + ice WLB Ah	10	-303	530	-2371	-303	530	-2371
			11	-1014	613	-2702	-1014	613	-2702
			12	-1721	704	-3069	-1721	704	-3069
			20	-226	552	-2387	-226	552	-2387
			21	-921	634	-2710	-921	634	-2710
			22	-1629	724	-3081	-1629	724	-3081
		NL3 Br. Lc 3 Wind + ice WRA 1 20 22	10	-139	-481	-2076	-139	-481	-2076
			11	-650	-540	-2246	-650	-540	-2246
			12	-1111	-605	-2438	-1111	-605	-2438
		NL3 Br. Lc 3 Wind + ice WRA 3 30 32	10	-139	-481	-2076	-139	-481	-2076
			11	-650	-540	-2246	-650	-540	-2246
			12	-1111	-605	-2438	-1111	-605	-2438
			20	-62	-467	-2078	-62	-467	-2078
			21	-559	-527	-2241	-559	-527	-2241
			22	-1022	-593	-2435	-1022	-593	-2435
		NL3 Br. Lc 3 Wind + ice WRA Ah	10	-302	-524	-2370	-302	-524	-2370
			11	-1013	-607	-2702	-1013	-607	-2702
			12	-1720	-699	-3068	-1720	-699	-3068
			20	-219	-508	-2380	-219	-508	-2380
			21	-910	-592	-2701	-910	-592	-2701
			22	-1614	-684	-3070	-1614	-684	-3070
		NL3 Br. Lc 3 Wind + ice WRB 1 20 22	10	-139	-481	-2076	-139	-481	-2076
			11	-650	-540	-2246	-650	-540	-2246
			12	-1111	-605	-2438	-1111	-605	-2438

Belastingen voor : Belastingen opstijgpunt 673 110kV Vierverlaten - Grijpskerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice WRB 3 30 32	10	-139	-481	-2076	-139	-481	-2076
			11	-650	-540	-2246	-650	-540	-2246
			12	-1111	-605	-2438	-1111	-605	-2438
			20	-62	-467	-2078	-62	-467	-2078
			21	-559	-527	-2241	-559	-527	-2241
			22	-1022	-593	-2435	-1022	-593	-2435
		NL3 Br. Lc 3 Wind + ice WRB Ah	10	-302	-524	-2370	-302	-524	-2370
			11	-1013	-607	-2702	-1013	-607	-2702
			12	-1720	-699	-3068	-1720	-699	-3068
			20	-219	-508	-2380	-219	-508	-2380
			21	-910	-592	-2701	-910	-592	-2701
			22	-1614	-684	-3070	-1614	-684	-3070
		NL3 Br. Lc 4 Con & Main WLA 1 20 22	10	-14	420	-1885	-14	420	-1885
			11	-362	443	-1931	-362	443	-1931
			12	-604	467	-1975	-604	467	-1975
		NL3 Br. Lc 4 Con & Main WLA 3 30 32	10	-14	420	-1885	-14	420	-1885
			11	-362	443	-1931	-362	443	-1931
			12	-604	467	-1975	-604	467	-1975
			20	54	436	-1889	54	436	-1889
			21	-289	456	-1930	-289	456	-1930
			22	-540	479	-1979	-540	479	-1979
		NL3 Br. Lc 4 Con & Main WLB 1 20 22	10	-14	420	-1885	-14	420	-1885
			11	-362	443	-1931	-362	443	-1931
			12	-604	467	-1975	-604	467	-1975
		NL3 Br. Lc 4 Con & Main WLB 3 30 32	10	-14	420	-1885	-14	420	-1885
			11	-362	443	-1931	-362	443	-1931
			12	-604	467	-1975	-604	467	-1975
			20	54	436	-1889	54	436	-1889
			21	-289	456	-1930	-289	456	-1930
			22	-540	479	-1979	-540	479	-1979
		NL3 Br. Lc 4 Con & Main WRA 1 20 2	10	-13	-416	-1885	-13	-416	-1885
			11	-361	-439	-1930	-361	-439	-1930
			12	-603	-464	-1975	-603	-464	-1975
		NL3 Br. Lc 4 Con & Main WRA 3 30 3	10	-13	-416	-1885	-13	-416	-1885
			11	-361	-439	-1930	-361	-439	-1930
			12	-603	-464	-1975	-603	-464	-1975
			20	58	-402	-1884	58	-402	-1884
			21	-284	-427	-1925	-284	-427	-1925
			22	-534	-453	-1974	-534	-453	-1974
		NL3 Br. Lc 4 Con & Main WRB 1 20 2	10	-13	-416	-1885	-13	-416	-1885
			11	-361	-439	-1930	-361	-439	-1930
			12	-603	-464	-1975	-603	-464	-1975
		NL3 Br. Lc 4 Con & Main WRB 3 30 3	10	-13	-416	-1885	-13	-416	-1885
			11	-361	-439	-1930	-361	-439	-1930
			12	-603	-464	-1975	-603	-464	-1975
			20	58	-402	-1884	58	-402	-1884
			21	-284	-427	-1925	-284	-427	-1925
			22	-534	-453	-1974	-534	-453	-1974
		Kortsluiting -20	10	-1688	-1853	-3078	-1688	-1853	-3078
			11	-3487	-2145	-4044	-3487	-2145	-4044
			12	-5513	-2438	-5108	-5513	-2438	-5108
			20	-1572	-1842	-3082	-1572	-1842	-3082
			21	-3305	-2130	-4022	-3305	-2130	-4022
			22	-5290	-2420	-5080	-5290	-2420	-5080
		Kortsluiting 70	10	-1495	-1850	-2903	-1495	-1850	-2903
			11	-2992	-2141	-3665	-2992	-2141	-3665
			12	-4584	-2433	-4464	-4584	-2433	-4464
			20	-1392	-1841	-2914	-1392	-1841	-2914
			21	-2850	-2128	-3664	-2850	-2128	-3664
			22	-4428	-2419	-4469	-4428	-2419	-4469

Belastingen voor :	Belastingen opstijgpunt 673 110kV Vierverlaten - Grijpskerk/ Winsum Ranum
Documentnummer :	74101611-035-139-A1

Structure nummer	Type	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Maatgevende load case
OSP673 (110kV)	osp 673 nw380.pol	-5513	-2438	-5108	Kortsluiting -20

Belastingen voor :	Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum
Documentnummer :	74101611-035-139-A2

LEESWIJZER BELASTINGSCOMBINATIES

De belastingen gevallen in de tabellen zijn een afgeleide van de tabellen gegeven in de NORM EN50341-3 / Tabel 4.2.11/NL1, NL2,NL3 en NL4. Daar waar relevant zijn deze belasting gevallen opgenomen in de berekening.

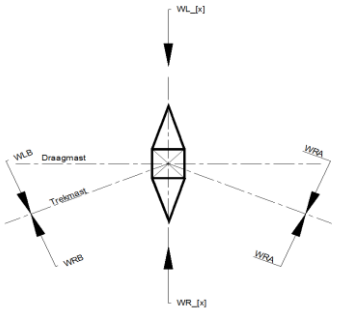
Bijvoorbeeld:

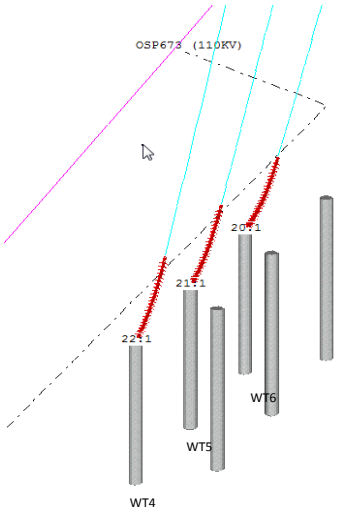
NL1 Lc 1a EWL	WRB, staat voor:
NL1	= Tabel 4.2.11/NL1,
Lc 1a	= load case 1a (Extreme Wind Load)
EWL	= Extreme Wind Load
WBR	= Wind in de Back span van Rechts (zie legenda voor overige aanblaashoeken)

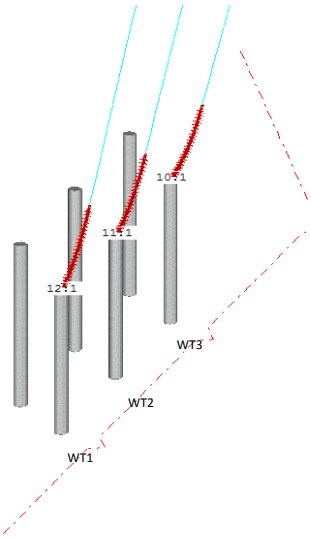
De toevoeging Br:
Br = Breuk, is bedoeld voor de simulatie van geleiderbreuk met verder een verwijzing naar de afspansets. Bijvoorbeeld NL3 Br. Lc 1a EWL WRB 1 20 22 50, breuk op de afspansets 1, 20, 22 en 50.

De toevoeging Ydl 0.9:
Ydl 0.9 = Gamma Deadload, is bedoeld voor de gunstige werking van eigengewicht van de constructie op de fundatie en als dusdanig ook (enkel) van belang voor de fundatie.

Legenda wind invalshoek:	
WL_[x] =	Wind van Links onder een hoek van [x]
WR_[x] =	Wind van Rechts onder een hoek van [x]
WLB =	Wind van Links loodrecht op de geleider in de Back span
WLA =	Wind van Links loodrecht op de geleider in de Ahead span
WRB =	Wind van Rechts loodrecht op de geleider in de Back span
WRA =	Wind van Rechts loodrecht op de geleider in de Ahead span
GW =	Geen Wind







Set en fundatie labels

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

str_no	structure_name	Fundatie Label	Belastings geval conform 50341-3	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Sum of bending_moment	Sum of shear_force
OSP673 (110kV)	osp 673 nw380.pol	WT6:g	NL1 10°C GW,T Global	1,77	-0,02	-2,64	0,07	7,06	0	7,06	1,77
			NL1 Lc 1a EWL WL_0,T Bl+	2,09	0,95	-3,21	-3,14	8,34	-0,09	8,91	2,29
			NL1 Lc 1a EWL WLA,T NR-	2,09	-0,98	-3,20	3,29	8,36	0,1	8,99	2,31
			NL1 Lc 1a EWL WLB,T NL-	2,09	-0,98	-3,20	3,29	8,36	0,1	8,99	2,31
			NL1 Lc 1a EWL WR_0,T Bl-	2,09	-0,98	-3,20	3,29	8,36	0,1	8,99	2,31
			NL1 Lc 1a EWL WRA,T NR+	2,09	0,95	-3,21	-3,14	8,34	-0,09	8,91	2,29
			NL1 Lc 1a EWL WRB,T NL+	2,09	0,95	-3,21	-3,14	8,34	-0,09	8,91	2,29
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	2,01	0,95	-1,94	-3,14	7,97	-0,09	8,57	2,22
			NL1 Lc 1a EWL 0.9 WLA,T NR-	2,02	-0,99	-1,93	3,29	8	0,1	8,65	2,25
			NL1 Lc 1a EWL 0.9 WLB,T NL-	2,02	-0,99	-1,93	3,29	8	0,1	8,65	2,25
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	2,02	-0,99	-1,93	3,29	8	0,1	8,65	2,25
			NL1 Lc 1a EWL 0.9 WRA,T NR+	2,01	0,95	-1,94	-3,14	7,97	-0,09	8,57	2,22
			NL1 Lc 1a EWL 0.9 WRB,T NL+	2,01	0,95	-1,94	-3,14	7,97	-0,09	8,57	2,22
			NL1 Lc 1b Cold WL_0,T Bl+	1,94	0,53	-3,36	-1,98	7,77	-0,07	8,02	2,01
			NL1 Lc 1b Cold WLA,T NR-	1,95	-0,57	-3,36	2,13	7,79	0,07	8,07	2,03
			NL1 Lc 1b Cold WLB,T NL-	1,95	-0,57	-3,36	2,13	7,79	0,07	8,07	2,03
			NL1 Lc 1b Cold WR_0,T Bl-	1,95	-0,57	-3,36	2,13	7,79	0,07	8,07	2,03
			NL1 Lc 1b Cold WRA,T NR+	1,94	0,53	-3,36	-1,98	7,77	-0,07	8,02	2,01
			NL1 Lc 1b Cold WRB,T NL+	1,94	0,53	-3,36	-1,98	7,77	-0,07	8,02	2,01
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	1,86	0,53	-2,11	-1,99	7,36	-0,07	7,63	1,93
			NL1 Lc 1b Cold 0.9 WLA,T NR-	1,86	-0,57	-2,10	2,12	7,38	0,07	7,68	1,94
			NL1 Lc 1b Cold 0.9 WLB,T NL-	1,86	-0,57	-2,10	2,12	7,38	0,07	7,68	1,94
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	1,86	-0,57	-2,10	2,12	7,38	0,07	7,68	1,94
			NL1 Lc 1b Cold 0.9 WRA,T NR+	1,86	0,53	-2,11	-1,99	7,36	-0,07	7,63	1,93
			NL1 Lc 1b Cold 0.9 WRB,T NL+	1,86	0,53	-2,11	-1,99	7,36	-0,07	7,63	1,93
			NL1 Lc 3 Wind + ice WL_0,T B	2,65	0,69	-2,98	-2,54	10,54	-0,09	10,85	2,74
			NL1 Lc 3 Wind + ice WLA,T NR	2,66	-0,74	-2,97	2,74	10,57	0,09	10,92	2,76
			NL1 Lc 3 Wind + ice WLB,T NL	2,66	-0,74	-2,97	2,74	10,57	0,09	10,92	2,76
			NL1 Lc 3 Wind + ice WR_0,T B	2,66	-0,74	-2,97	2,74	10,57	0,09	10,92	2,76
			NL1 Lc 3 Wind + ice WRA,T NR	2,65	0,69	-2,98	-2,54	10,54	-0,09	10,85	2,74
			NL1 Lc 3 Wind + ice WRB,T NL	2,65	0,69	-2,98	-2,54	10,54	-0,09	10,85	2,74
			NL1 Lc 3 Wind + ice 0.9 WL_0,	2,55	0,70	-1,74	-2,55	10,1	-0,09	10,42	2,65
			NL1 Lc 3 Wind + ice 0.9 WLA,T	2,56	-0,74	-1,73	2,74	10,13	0,09	10,5	2,67
			NL1 Lc 3 Wind + ice 0.9 WLB,T	2,56	-0,74	-1,73	2,74	10,13	0,09	10,5	2,67
			NL1 Lc 3 Wind + ice 0.9 WR_0,	2,56	-0,74	-1,73	2,74	10,13	0,09	10,5	2,67
			NL1 Lc 3 Wind + ice 0.9 WRA,T	2,55	0,70	-1,74	-2,55	10,1	-0,09	10,42	2,65
			NL1 Lc 3 Wind + ice 0.9 WRB,T	2,55	0,70	-1,74	-2,55	10,1	-0,09	10,42	2,65
			NL1 Lc 4 Con & Main WL_0,T	1,89	0,48	-3,42	-1,78	7,57	-0,06	7,77	1,95
			NL1 Lc 4 Con & Main WLA,T N	1,89	-0,51	-3,41	1,92	7,59	0,07	7,82	1,96
			NL1 Lc 4 Con & Main WLB,T N	1,89	-0,51	-3,41	1,92	7,59	0,07	7,82	1,96
			NL1 Lc 4 Con & Main WR_0,T	1,89	-0,51	-3,41	1,92	7,59	0,07	7,82	1,96
			NL1 Lc 4 Con & Main WRA,T N	1,89	0,48	-3,42	-1,78	7,57	-0,06	7,77	1,95
			NL1 Lc 4 Con & Main WRB,T N	1,89	0,48	-3,42	-1,78	7,57	-0,06	7,77	1,95
			NL1 Lc 4 Con & Main 0.9 WL_	1,80	0,48	-2,16	-1,78	7,17	-0,06	7,38	1,87
			NL1 Lc 4 Con & Main 0.9 WLA	1,81	-0,51	-2,16	1,91	7,18	0,07	7,43	1,88
			NL1 Lc 4 Con & Main 0.9 WLB	1,81	-0,51	-2,16	1,91	7,18	0,07	7,43	1,88
			NL1 Lc 4 Con & Main 0.9 WR_	1,81	-0,51	-2,16	1,91	7,18	0,07	7,43	1,88
			NL1 Lc 4 Con & Main 0.9 WRA	1,80	0,48	-2,16	-1,78	7,17	-0,06	7,38	1,87
			NL1 Lc 4 Con & Main 0.9 WRB	1,80	0,48	-2,16	-1,78	7,17	-0,06	7,38	1,87
			NL1 Lc 6 Permanent GW,T Gl	1,87	-0,02	-4,10	0,08	7,55	0	7,55	1,87
			NL1 Lc 6 Permanent 0.9 GW,T	1,74	-0,02	-2,22	0,07	6,92	0	6,92	1,74
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL 0.9 WLA 5	1,87	-0,70	-2,09	2,46	7,43	0,08	7,83	2
			NL3 Br. Lc 1a EWL 0.9 WLA 7	1,87	-0,70	-2,09	2,46	7,43	0,08	7,83	2
			NL3 Br. Lc 1a EWL 0.9 WLB 5	1,87	-0,70	-2,09	2,46	7,43	0,08	7,83	2
			NL3 Br. Lc 1a EWL 0.9 WLB 7	1,87	-0,70	-2,09	2,46	7,43	0,08	7,83	2
			NL3 Br. Lc 1a EWL 0.9 WRA 5	1,87	0,67	-2,09	-2,32	7,41	-0,07	7,77	1,98
			NL3 Br. Lc 1a EWL 0.9 WRA 7	1,87	0,67	-2,09	-2,32	7,41	-0,07	7,77	1,98
			NL3 Br. Lc 1a EWL 0.9 WRB 5	1,87	0,67	-2,09	-2,32	7,41	-0,07	7,77	1,98
			NL3 Br. Lc 1a EWL 0.9 WRB 7	1,87	0,67	-2,09	-2,32	7,41	-0,07	7,77	1,98
			NL3 Br. Lc 1b Cold 0.9 WLA 5	1,85	-0,54	-2,11	2,05	7,35	0,07	7,63	1,93
			NL3 Br. Lc 1b Cold 0.9 WLA 7	1,85	-0,54	-2,11	2,05	7,35	0,07	7,63	1,93
			NL3 Br. Lc 1b Cold 0.9 WLB 5	1,85	-0,54	-2,11	2,05	7,35	0,07	7,63	1,93
			NL3 Br. Lc 1b Cold 0.9 WLB 7	1,85	-0,54	-2,11	2,05	7,35	0,07	7,63	1,93
			NL3 Br. Lc 1b Cold 0.9 WRA 5	1,85	0,51	-2,11	-1,91	7,33	-0,07	7,58	1,92
			NL3 Br. Lc 1b Cold 0.9 WRA 7	1,85	0,51	-2,11	-1,91	7,33	-0,07	7,58	1,92
			NL3 Br. Lc 1b Cold 0.9 WRB 5	1,85	0,51	-2,11	-1,91	7,33	-0,07	7,58	1,92
			NL3 Br. Lc 1b Cold 0.9 WRB 7	1,85	0,51	-2,11	-1,91	7,33	-0,07	7,58	1,92
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	-0,68	-1,93	2,36	8,92	0,08	9,23	2,35
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	-0,68	-1,93	2,36	8,92	0,08	9,23	2,35
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	-0,68	-1,93	2,36	8,92	0,08	9,23	2,35
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	-0,68	-1,93	2,36	8,92	0,08	9,23	2,35
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	0,64	-1,94	-2,19	8,9	-0,07	9,17	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	0,64	-1,94	-2,19	8,9	-0,07	9,17	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	0,64	-1,94	-2,19	8,9	-0,07	9,17	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,25	0,64	-1,94	-2,19	8,9	-0,07	9,17	2,33
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,61	-2,16	2,09	7,15	0,07	7,45	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,61	-2,16	2,09	7,15	0,07	7,45	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,61	-2,16	2,09	7,15	0,07	7,45	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,61	-2,16	2,09	7,15	0,07	7,45	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,58	-2,17	-1,96	7,14	-0,06	7,4	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,58	-2,17	-1,96	7,14	-0,06	7,4	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,58	-2,17	-1,96	7,14	-0,06	7,4	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,58	-2,17	-1,96	7,14	-0,06	7,4	1,89
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT6:g	NL3 Br. Lc 1a EWL WLA 3 30 3	1,95	-0,70	-3,35	2,46	7,83	0,08	8,2	2,08
			NL3 Br. Lc 1a EWL WLA Ah,T N	1,95	-0,70	-3,35	2,46	7,83	0,08	8,2	2,08
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 3 30 3	1,95	-0,70	-3,35	2,46	7,83	0,08	8,2	2,08
			NL3 Br. Lc 1a EWL WLB Ah,T N	1,95	-0,70	-3,35	2,46	7,83	0,08	8,2	2,08
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 3 30 3	1,95	0,66	-3,35	-2,32	7,8	-0,07	8,14	2,06
			NL3 Br. Lc 1a EWL WRA Ah,T N	1,95	0,66	-3,35	-2,32	7,8	-0,07	8,14	2,06
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 3 30 3	1,95	0,66	-3,35	-2,32	7,8	-0,07	8,14	2,06
			NL3 Br. Lc 1a EWL WRB Ah,T N	1,95	0,66	-3,35	-2,32	7,8	-0,07	8,14	2,06
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA 3 30 3	1,94	-0,54	-3,37	2,05	7,76	0,07	8,03	2,01
			NL3 Br. Lc 1b Cold WLA Ah,T N	1,94	-0,54	-3,37	2,05	7,76	0,07	8,03	2,01
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 3 30 3	1,94	-0,54	-3,37	2,05	7,76	0,07	8,03	2,01
			NL3 Br. Lc 1b Cold WLB Ah,T N	1,94	-0,54	-3,37	2,05	7,76	0,07	8,03	2,01
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 3 30 3	1,93	0,51	-3,37	-1,91	7,74	-0,07	7,97	2
			NL3 Br. Lc 1b Cold WRA Ah,T N	1,93	0,51	-3,37	-1,91	7,74	-0,07	7,97	2
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 3 30 3	1,93	0,51	-3,37	-1,91	7,74	-0,07	7,97	2
			NL3 Br. Lc 1b Cold WRB Ah,T N	1,93	0,51	-3,37	-1,91	7,74	-0,07	7,97	2
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA 3	2,08	-0,60	-3,30	2,21	8,32	0,08	8,61	2,17
			NL3 Br. Lc 3 Wind + ice WLA Ah	2,38	-0,65	-3,14	2,4	9,51	0,08	9,81	2,47
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 3	2,08	-0,60	-3,30	2,21	8,32	0,08	8,61	2,17
			NL3 Br. Lc 3 Wind + ice WLB Ah	2,38	-0,65	-3,14	2,4	9,51	0,08	9,81	2,47
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 3	2,08	0,56	-3,30	-2,05	8,3	-0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WRA Ah	2,38	0,60	-3,15	-2,22	9,48	-0,08	9,74	2,45
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 3	2,08	0,56	-3,30	-2,05	8,3	-0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WRB Ah	2,38	0,60	-3,15	-2,22	9,48	-0,08	9,74	2,45
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLA 3	1,89	-0,49	-3,42	1,85	7,56	0,07	7,79	1,95
			NL3 Br. Lc 4 Con & Main WLA 8	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB 3	1,89	-0,49	-3,42	1,85	7,56	0,07	7,79	1,95
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	1,88	0,45	-3,42	-1,71	7,55	-0,06	7,74	1,94
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	1,88	0,45	-3,42	-1,71	7,55	-0,06	7,74	1,94
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			Kortsluiting -20,T NA+	3,08	1,84	-1,23	-7,37	12,09	-0,28	14,16	3,59
			Kortsluiting 70,T NA+	2,91	1,84	-1,41	-7,36	11,45	-0,28	13,61	3,45
		WT5:g	NL1 10°C GW,T Global	1,77	-0,02	-2,36	0,06	7,01	0	7,01	1,77
			NL1 Lc 1a EWL WL 0,T Bl+	2,39	1,09	-2,50	-3,72	9,44	-0,12	10,14	2,63
			NL1 Lc 1a EWL WLA,T NR-	2,40	-1,13	-2,49	3,87	9,47	0,12	10,23	2,65
			NL1 Lc 1a EWL WLB,T NL-	2,40	-1,13	-2,49	3,87	9,47	0,12	10,23	2,65
			NL1 Lc 1a EWL WR 0,T Bl-	2,40	-1,13	-2,49	3,87	9,47	0,12	10,23	2,65
			NL1 Lc 1a EWL WRA,T NR+	2,39	1,09	-2,50	-3,72	9,44	-0,12	10,14	2,63
			NL1 Lc 1a EWL WRB,T NL+	2,39	1,09	-2,50	-3,72	9,44	-0,12	10,14	2,63
			NL1 Lc 1a EWL 0.9 WL 0,T Bl+	2,29	1,10	-1,25	-3,73	8,99	-0,12	9,74	2,54
			NL1 Lc 1a EWL 0.9 WLA,T NR-	2,30	-1,13	-1,23	3,87	9,03	0,12	9,82	2,56
			NL1 Lc 1a EWL 0.9 WLB,T NL-	2,30	-1,13	-1,23	3,87	9,03	0,12	9,82	2,56
			NL1 Lc 1a EWL 0.9 WR 0,T Bl-	2,30	-1,13	-1,23	3,87	9,03	0,12	9,82	2,56
			NL1 Lc 1a EWL 0.9 WRA,T NR+	2,29	1,10	-1,25	-3,73	8,99	-0,12	9,74	2,54
			NL1 Lc 1a EWL 0.9 WRB,T NL+	2,29	1,10	-1,25	-3,73	8,99	-0,12	9,74	2,54
			NL1 Lc 1b Cold WL 0,T Bl+	2,02	0,57	-2,96	-2,12	8,03	-0,07	8,3	2,1
			NL1 Lc 1b Cold WLA,T NR-	2,03	-0,60	-2,96	2,24	8,05	0,08	8,36	2,11
			NL1 Lc 1b Cold WLB,T NL-	2,03	-0,60	-2,96	2,24	8,05	0,08	8,36	2,11
			NL1 Lc 1b Cold WR 0,T Bl-	2,03	-0,60	-2,96	2,24	8,05	0,08	8,36	2,11
			NL1 Lc 1b Cold WRA,T NR+	2,02	0,57	-2,96	-2,12	8,03	-0,07	8,3	2,1
			NL1 Lc 1b Cold WRB,T NL+	2,02	0,57	-2,96	-2,12	8,03	-0,07	8,3	2,1
			NL1 Lc 1b Cold 0.9 WL 0,T Bl+	1,90	0,57	-1,75	-2,12	7,48	-0,07	7,77	1,98
			NL1 Lc 1b Cold 0.9 WLA,T NR-	1,90	-0,60	-1,74	2,24	7,5	0,08	7,83	1,99
			NL1 Lc 1b Cold 0.9 WLB,T NL-	1,90	-0,60	-1,74	2,24	7,5	0,08	7,83	1,99
			NL1 Lc 1b Cold 0.9 WR 0,T Bl-	1,90	-0,60	-1,74	2,24	7,5	0,08	7,83	1,99
			NL1 Lc 1b Cold 0.9 WRA,T NR+	1,90	0,57	-1,75	-2,12	7,48	-0,07	7,77	1,98
			NL1 Lc 1b Cold 0.9 WRB,T NL+	1,90	0,57	-1,75	-2,12	7,48	-0,07	7,77	1,98
			NL1 Lc 3 Wind + ice WL 0,T B	3,13	0,82	-2,08	-3,03	12,35	-0,1	12,72	3,24
			NL1 Lc 3 Wind + ice WLA,T NR	3,15	-0,86	-2,07	3,22	12,39	0,11	12,81	3,26
			NL1 Lc 3 Wind + ice WLB,T NL	3,15	-0,86	-2,07	3,22	12,39	0,11	12,81	3,26
			NL1 Lc 3 Wind + ice WR 0,T B	3,15	-0,86	-2,07	3,22	12,39	0,11	12,81	3,26
			NL1 Lc 3 Wind + ice WRA,T N	3,13	0,82	-2,08	-3,03	12,35	-0,1	12,72	3,24
			NL1 Lc 3 Wind + ice WRB,T N	3,13	0,82	-2,08	-3,03	12,35	-0,1	12,72	3,24
			NL1 Lc 3 Wind + ice 0.9 WL_0,	3,00	0,82	-0,88	-3,04	11,76	-0,11	12,15	3,11
			NL1 Lc 3 Wind + ice 0.9 WLA,T	3,01	-0,86	-0,87	3,22	11,8	0,11	12,23	3,13
			NL1 Lc 3 Wind + ice 0.9 WLB,T	3,01	-0,86	-0,87	3,22	11,8	0,11	12,23	3,13
			NL1 Lc 3 Wind + ice 0.9 WR_0	3,01	-0,86	-0,87	3,22	11,8	0,11	12,23	3,13
			NL1 Lc 3 Wind + ice 0.9 WRA,T	3,00	0,82	-0,88	-3,04	11,76	-0,11	12,15	3,11
			NL1 Lc 3 Wind + ice 0.9 WRB,T	3,00	0,82	-0,88	-3,04	11,76	-0,11	12,15	3,11
			NL1 Lc 4 Con & Main WL 0,T	1,94	0,51	-3,07	-1,9	7,7	-0,07	7,93	2
			NL1 Lc 4 Con & Main WLA,T N	1,94	-0,54	-3,06	2,02	7,72	0,07	7,98	2,01

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT5:g	NL1 Lc 4 Con & Main WLB,T N	1,94	-0,54	-3,06	2,02	7,72	0,07	7,98	2,01
			NL1 Lc 4 Con & Main WR_0,T	1,94	-0,54	-3,06	2,02	7,72	0,07	7,98	2,01
			NL1 Lc 4 Con & Main WRA,T N	1,94	0,51	-3,07	-1,9	7,7	-0,07	7,93	2
			NL1 Lc 4 Con & Main WRB,T N	1,94	0,51	-3,07	-1,9	7,7	-0,07	7,93	2
			NL1 Lc 4 Con & Main 0.9 WL (	1,82	0,51	-1,85	-1,91	7,16	-0,07	7,41	1,89
			NL1 Lc 4 Con & Main 0.9 WLA	1,82	-0,54	-1,84	2,02	7,18	0,07	7,46	1,9
			NL1 Lc 4 Con & Main 0.9 WLB	1,82	-0,54	-1,84	2,02	7,18	0,07	7,46	1,9
			NL1 Lc 4 Con & Main 0.9 WR_	1,82	-0,54	-1,84	2,02	7,18	0,07	7,46	1,9
			NL1 Lc 4 Con & Main 0.9 WRA	1,82	0,51	-1,85	-1,91	7,16	-0,07	7,41	1,89
			NL1 Lc 4 Con & Main 0.9 WRB	1,82	0,51	-1,85	-1,91	7,16	-0,07	7,41	1,89
			NL1 Lc 6 Permanent GW,T Gl	1,92	-0,02	-3,77	0,07	7,68	0	7,68	1,92
			NL1 Lc 6 Permanent 0.9 GW,T	1,72	-0,02	-1,96	0,06	6,82	0	6,82	1,72
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL 0.9 WLA 5	1,96	-0,77	-1,66	2,75	7,74	0,09	8,21	2,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	1,96	-0,77	-1,66	2,75	7,74	0,09	8,21	2,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	1,96	-0,77	-1,66	2,75	7,74	0,09	8,21	2,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	1,96	-0,77	-1,66	2,75	7,74	0,09	8,21	2,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	1,96	0,74	-1,67	-2,63	7,71	-0,09	8,15	2,09
			NL3 Br. Lc 1a EWL 0.9 WRA 7	1,96	0,74	-1,67	-2,63	7,71	-0,09	8,15	2,09
			NL3 Br. Lc 1a EWL 0.9 WRB 5	1,96	0,74	-1,67	-2,63	7,71	-0,09	8,15	2,09
			NL3 Br. Lc 1a EWL 0.9 WRB 7	1,96	0,74	-1,67	-2,63	7,71	-0,09	8,15	2,09
			NL3 Br. Lc 1b Cold 0.9 WLA 5	1,89	-0,56	-1,76	2,14	7,44	0,08	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WLA 7	1,89	-0,56	-1,76	2,14	7,44	0,08	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WLB 5	1,89	-0,56	-1,76	2,14	7,44	0,08	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WLB 7	1,89	-0,56	-1,76	2,14	7,44	0,08	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WRA 5	1,88	0,53	-1,77	-2,02	7,42	-0,07	7,69	1,96
			NL3 Br. Lc 1b Cold 0.9 WRA 7	1,88	0,53	-1,77	-2,02	7,42	-0,07	7,69	1,96
			NL3 Br. Lc 1b Cold 0.9 WRB 5	1,88	0,53	-1,77	-2,02	7,42	-0,07	7,69	1,96
			NL3 Br. Lc 1b Cold 0.9 WRB 7	1,88	0,53	-1,77	-2,02	7,42	-0,07	7,69	1,96
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,49	-0,73	-1,35	2,58	9,78	0,08	10,12	2,59
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,49	-0,73	-1,35	2,58	9,78	0,08	10,12	2,59
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,49	-0,73	-1,35	2,58	9,78	0,08	10,12	2,59
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,49	-0,73	-1,35	2,58	9,78	0,08	10,12	2,59
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,69	-1,36	-2,42	9,76	-0,08	10,05	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,69	-1,36	-2,42	9,76	-0,08	10,05	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,69	-1,36	-2,42	9,76	-0,08	10,05	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,69	-1,36	-2,42	9,76	-0,08	10,05	2,58
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,63	-1,86	2,17	7,13	0,07	7,45	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,63	-1,86	2,17	7,13	0,07	7,45	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,63	-1,86	2,17	7,13	0,07	7,45	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,63	-1,86	2,17	7,13	0,07	7,45	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,60	-1,86	-2,06	7,11	-0,06	7,4	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,60	-1,86	-2,06	7,11	-0,06	7,4	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,60	-1,86	-2,06	7,11	-0,06	7,4	1,9
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,60	-1,86	-2,06	7,11	-0,06	7,4	1,9
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLA 3 30 3	2,08	-0,77	-2,89	2,75	8,25	0,09	8,69	2,22
			NL3 Br. Lc 1a EWL WLA Ah,T N	2,08	-0,77	-2,89	2,75	8,25	0,09	8,69	2,22
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 3 30 3	2,08	-0,77	-2,89	2,75	8,25	0,09	8,69	2,22
			NL3 Br. Lc 1a EWL WLB Ah,T N	2,08	-0,77	-2,89	2,75	8,25	0,09	8,69	2,22
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 3 30 3	2,07	0,74	-2,90	-2,62	8,22	-0,09	8,63	2,2
			NL3 Br. Lc 1a EWL WRA Ah,T N	2,07	0,74	-2,90	-2,62	8,22	-0,09	8,63	2,2
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 3 30 3	2,07	0,74	-2,90	-2,62	8,22	-0,09	8,63	2,2
			NL3 Br. Lc 1a EWL WRB Ah,T N	2,07	0,74	-2,90	-2,62	8,22	-0,09	8,63	2,2
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA 3 30 3	2,01	-0,56	-2,97	2,14	7,99	0,08	8,27	2,09
			NL3 Br. Lc 1b Cold WLA Ah,T N	2,01	-0,56	-2,97	2,14	7,99	0,08	8,27	2,09
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 3 30 3	2,01	-0,56	-2,97	2,14	7,99	0,08	8,27	2,09
			NL3 Br. Lc 1b Cold WLB Ah,T N	2,01	-0,56	-2,97	2,14	7,99	0,08	8,27	2,09
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 3 30 3	2,01	0,53	-2,98	-2,02	7,97	-0,07	8,22	2,08
			NL3 Br. Lc 1b Cold WRA Ah,T N	2,01	0,53	-2,98	-2,02	7,97	-0,07	8,22	2,08
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 3 30 3	2,01	0,53	-2,98	-2,02	7,97	-0,07	8,22	2,08
			NL3 Br. Lc 1b Cold WRB Ah,T N	2,01	0,53	-2,98	-2,02	7,97	-0,07	8,22	2,08
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA 3	2,25	-0,66	-2,80	2,43	8,9	0,08	9,23	2,34
			NL3 Br. Lc 3 Wind + ice WLA Ah	2,71	-0,73	-2,45	2,72	10,7	0,09	11,04	2,8
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 3	2,25	-0,66	-2,80	2,43	8,9	0,08	9,23	2,34
			NL3 Br. Lc 3 Wind + ice WLB Ah	2,71	-0,73	-2,45	2,72	10,7	0,09	11,04	2,8
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 3	2,24	0,62	-2,81	-2,3	8,88	-0,08	9,17	2,32
			NL3 Br. Lc 3 Wind + ice WRA Ah	2,70	0,69	-2,46	-2,56	10,67	-0,09	10,97	2,78
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 3	2,24	0,62	-2,81	-2,3	8,88	-0,08	9,17	2,32
			NL3 Br. Lc 3 Wind + ice WRB Ah	2,70	0,69	-2,46	-2,56	10,67	-0,09	10,97	2,78
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLA 3	1,93	-0,51	-3,08	1,93	7,68	0,07	7,91	1,99
			NL3 Br. Lc 4 Con & Main WLA E	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB 3	1,93	-0,51	-3,08	1,93	7,68	0,07	7,91	1,99

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT5:g	NL3 Br. Lc 4 Con & Main WLB E	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	1,92	0,48	-3,08	-1,81	7,66	-0,06	7,87	1,98
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	1,92	0,48	-3,08	-1,81	7,66	-0,06	7,87	1,98
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			Kortsluiting -20,T NA+	4,02	2,13	0,50	-8,52	15,58	-0,32	17,76	4,55
			Kortsluiting 70,T NA+	3,66	2,13	0,05	-8,51	14,22	-0,32	16,57	4,24
		WT4:g	NL1 10°C GW,T Global	1,77	-0,02	-2,18	0,05	6,99	0	6,99	1,77
			NL1 Lc 1a EWL WL_0,T BI+	2,81	1,25	-1,66	-4,36	10,99	-0,14	11,82	3,07
			NL1 Lc 1a EWL WLA,T NR-	2,82	-1,29	-1,65	4,51	11,02	0,14	11,91	3,1
			NL1 Lc 1a EWL WLB,T NL-	2,82	-1,29	-1,65	4,51	11,02	0,14	11,91	3,1
			NL1 Lc 1a EWL WR_0,T BI-	2,82	-1,29	-1,65	4,51	11,02	0,14	11,91	3,1
			NL1 Lc 1a EWL WRA,T NR+	2,81	1,25	-1,66	-4,36	10,99	-0,14	11,82	3,07
			NL1 Lc 1a EWL WRB,T NL+	2,81	1,25	-1,66	-4,36	10,99	-0,14	11,82	3,07
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	2,70	1,26	-0,42	-4,37	10,5	-0,14	11,37	2,98
			NL1 Lc 1a EWL 0.9 WLA,T NR-	2,71	-1,29	-0,40	4,52	10,53	0,14	11,46	3
			NL1 Lc 1a EWL 0.9 WLB,T NL-	2,71	-1,29	-0,40	4,52	10,53	0,14	11,46	3
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	2,71	-1,29	-0,40	4,52	10,53	0,14	11,46	3
			NL1 Lc 1a EWL 0.9 WRA,T NR+	2,70	1,26	-0,42	-4,37	10,5	-0,14	11,37	2,98
			NL1 Lc 1a EWL 0.9 WRB,T NL+	2,70	1,26	-0,42	-4,37	10,5	-0,14	11,37	2,98
			NL1 Lc 1b Cold WL_0,T BI+	2,11	0,60	-2,64	-2,26	8,35	-0,08	8,65	2,2
			NL1 Lc 1b Cold WLA,T NR-	2,12	-0,63	-2,63	2,37	8,38	0,08	8,71	2,21
			NL1 Lc 1b Cold WLB,T NL-	2,12	-0,63	-2,63	2,37	8,38	0,08	8,71	2,21
			NL1 Lc 1b Cold WR_0,T BI-	2,12	-0,63	-2,63	2,37	8,38	0,08	8,71	2,21
			NL1 Lc 1b Cold WRA,T NR+	2,11	0,60	-2,64	-2,26	8,35	-0,08	8,65	2,2
			NL1 Lc 1b Cold WRB,T NL+	2,11	0,60	-2,64	-2,26	8,35	-0,08	8,65	2,2
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	1,95	0,60	-1,47	-2,27	7,65	-0,08	7,98	2,04
			NL1 Lc 1b Cold 0.9 WLA,T NR-	1,96	-0,63	-1,46	2,37	7,67	0,08	8,03	2,06
			NL1 Lc 1b Cold 0.9 WLB,T NL-	1,96	-0,63	-1,46	2,37	7,67	0,08	8,03	2,06
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	1,96	-0,63	-1,46	2,37	7,67	0,08	8,03	2,06
			NL1 Lc 1b Cold 0.9 WRA,T NR+	1,95	0,60	-1,47	-2,27	7,65	-0,08	7,98	2,04
			NL1 Lc 1b Cold 0.9 WRB,T NL+	1,95	0,60	-1,47	-2,27	7,65	-0,08	7,98	2,04
			NL1 Lc 3 Wind + ice WL_0,T B	3,69	0,95	-1,10	-3,57	14,43	-0,12	14,86	3,81
			NL1 Lc 3 Wind + ice WLA,T NR	3,71	-1,00	-1,08	3,76	14,48	0,13	14,96	3,84
			NL1 Lc 3 Wind + ice WLB,T NL	3,71	-1,00	-1,08	3,76	14,48	0,13	14,96	3,84
			NL1 Lc 3 Wind + ice WR_0,T B	3,71	-1,00	-1,08	3,76	14,48	0,13	14,96	3,84
			NL1 Lc 3 Wind + ice WRA,T NI	3,69	0,95	-1,10	-3,57	14,43	-0,12	14,86	3,81
			NL1 Lc 3 Wind + ice WRB,T NI	3,69	0,95	-1,10	-3,57	14,43	-0,12	14,86	3,81
			NL1 Lc 3 Wind + ice 0.9 WL_0,	3,52	0,95	0,05	-3,57	13,7	-0,13	14,16	3,65
			NL1 Lc 3 Wind + ice 0.9 WLA,T	3,54	-1,00	0,07	3,76	13,76	0,13	14,26	3,67
			NL1 Lc 3 Wind + ice 0.9 WLB,T	3,54	-1,00	0,07	3,76	13,76	0,13	14,26	3,67
			NL1 Lc 3 Wind + ice 0.9 WR_0,	3,54	-1,00	0,07	3,76	13,76	0,13	14,26	3,67
			NL1 Lc 3 Wind + ice 0.9 WRA,T	3,52	0,95	0,05	-3,57	13,7	-0,13	14,16	3,65
			NL1 Lc 3 Wind + ice 0.9 WRB,T	3,52	0,95	0,05	-3,57	13,7	-0,13	14,16	3,65
			NL1 Lc 4 Con & Main WL_0,T	1,99	0,54	-2,80	-2,03	7,89	-0,07	8,15	2,06
			NL1 Lc 4 Con & Main WLA,T N	2,00	-0,57	-2,80	2,14	7,91	0,08	8,19	2,08
			NL1 Lc 4 Con & Main WLB,T N	2,00	-0,57	-2,80	2,14	7,91	0,08	8,19	2,08
			NL1 Lc 4 Con & Main WR_0,T	2,00	-0,57	-2,80	2,14	7,91	0,08	8,19	2,08
			NL1 Lc 4 Con & Main WRA,T N	1,99	0,54	-2,80	-2,03	7,89	-0,07	8,15	2,06
			NL1 Lc 4 Con & Main WRB,T N	1,99	0,54	-2,80	-2,03	7,89	-0,07	8,15	2,06
			NL1 Lc 4 Con & Main 0.9 WL_	1,84	0,54	-1,63	-2,04	7,21	-0,07	7,49	1,91
			NL1 Lc 4 Con & Main 0.9 WLA	1,84	-0,57	-1,62	2,13	7,23	0,08	7,54	1,93
			NL1 Lc 4 Con & Main 0.9 WLB	1,84	-0,57	-1,62	2,13	7,23	0,08	7,54	1,93
			NL1 Lc 4 Con & Main 0.9 WR_	1,84	-0,57	-1,62	2,13	7,23	0,08	7,54	1,93
			NL1 Lc 4 Con & Main 0.9 WRA	1,84	0,54	-1,63	-2,04	7,21	-0,07	7,49	1,91
			NL1 Lc 4 Con & Main 0.9 WRB	1,84	0,54	-1,63	-2,04	7,21	-0,07	7,49	1,91
			NL1 Lc 6 Permanent GW,T Gl	1,97	-0,02	-3,53	0,06	7,84	0	7,84	1,97
			NL1 Lc 6 Permanent 0.9 GW,T	1,71	-0,02	-1,79	0,05	6,76	0	6,76	1,71
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL 0.9 WLA 5	2,11	-0,85	-1,25	3,07	8,24	0,1	8,8	2,27
			NL3 Br. Lc 1a EWL 0.9 WLA 7	2,11	-0,85	-1,25	3,07	8,24	0,1	8,8	2,27
			NL3 Br. Lc 1a EWL 0.9 WLB 5	2,11	-0,85	-1,25	3,07	8,24	0,1	8,8	2,27
			NL3 Br. Lc 1a EWL 0.9 WLB 7	2,11	-0,85	-1,25	3,07	8,24	0,1	8,8	2,27
			NL3 Br. Lc 1a EWL 0.9 WRA 5	2,10	0,83	-1,26	-2,96	8,21	-0,1	8,73	2,26
			NL3 Br. Lc 1a EWL 0.9 WRA 7	2,10	0,83	-1,26	-2,96	8,21	-0,1	8,73	2,26
			NL3 Br. Lc 1a EWL 0.9 WRB 5	2,10	0,83	-1,26	-2,96	8,21	-0,1	8,73	2,26
			NL3 Br. Lc 1a EWL 0.9 WRB 7	2,10	0,83	-1,26	-2,96	8,21	-0,1	8,73	2,26
			NL3 Br. Lc 1b Cold 0.9 WLA 5	1,93	-0,59	-1,50	2,24	7,57	0,08	7,89	2,02
			NL3 Br. Lc 1b Cold 0.9 WLA 7	1,93	-0,59	-1,50	2,24	7,57	0,08	7,89	2,02
			NL3 Br. Lc 1b Cold 0.9 WLB 5	1,93	-0,59	-1,50	2,24	7,57	0,08	7,89	2,02
			NL3 Br. Lc 1b Cold 0.9 WLB 7	1,93	-0,59	-1,50	2,24	7,57	0,08	7,89	2,02
			NL3 Br. Lc 1b Cold 0.9 WRA 5	1,92	0,56	-1,51	-2,14	7,55	-0,08	7,84	2,01
			NL3 Br. Lc 1b Cold 0.9 WRA 7	1,92	0,56	-1,51	-2,14	7,55	-0,08	7,84	2,01
			NL3 Br. Lc 1b Cold 0.9 WRB 5	1,92	0,56	-1,51	-2,14	7,55	-0,08	7,84	2,01
			NL3 Br. Lc 1b Cold 0.9 WRB 7	1,92	0,56	-1,51	-2,14	7,55	-0,08	7,84	2,01
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,76	-0,79	-0,79	2,82	10,77	0,09	11,13	2,87
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,76	-0,79	-0,79	2,82	10,77	0,09	11,13	2,87
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,76	-0,79	-0,79	2,82	10,77	0,09	11,13	2,87
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,76	-0,79	-0,79	2,82	10,77	0,09	11,13	2,87
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	0,76	-0,80	-2,67	10,74	-0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	0,76	-0,80	-2,67	10,74	-0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	0,76	-0,80	-2,67	10,74	-0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	0,76	-0,80	-2,67	10,74	-0,09	11,06	2,85
			NL3 Br. Lc 4 Con & Main 0.9 V	1,82	-0,65	-1,65	2,27	7,14	0,07	7,49	1,93
			NL3 Br. Lc 4 Con & Main 0.9 V	1,82	-0,65	-1,65	2,27	7,14	0,07	7,49	1,93
			NL3 Br. Lc 4 Con & Main 0.9 V	1,82	-0,65	-1,65	2,27	7,14	0,07	7,49	1,93
			NL3 Br. Lc 4 Con & Main 0.9 V	1,82	-0,65	-1,65	2,27	7,14	0,07	7,49	1,93
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,63	-1,66	-2,17	7,12	-0,07	7,44	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,63	-1,66	-2,17	7,12	-0,07	7,44	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,63	-1,66	-2,17	7,12	-0,07	7,44	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,63	-1,66	-2,17	7,12	-0,07	7,44	1,92

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT4:g	NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLA 3 30 3	2,24	-0,85	-2,45	3,07	8,85	0,1	9,37	2,4
			NL3 Br. Lc 1a EWL WLA Ah,T N	2,24	-0,85	-2,45	3,07	8,85	0,1	9,37	2,4
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 3 30 3	2,24	-0,85	-2,45	3,07	8,85	0,1	9,37	2,4
			NL3 Br. Lc 1a EWL WLB Ah,T N	2,24	-0,85	-2,45	3,07	8,85	0,1	9,37	2,4
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 3 30 3	2,24	0,82	-2,46	-2,95	8,82	-0,1	9,3	2,38
			NL3 Br. Lc 1a EWL WRA Ah,T N	2,24	0,82	-2,46	-2,95	8,82	-0,1	9,3	2,38
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 3 30 3	2,24	0,82	-2,46	-2,95	8,82	-0,1	9,3	2,38
			NL3 Br. Lc 1a EWL WRB Ah,T N	2,24	0,82	-2,46	-2,95	8,82	-0,1	9,3	2,38
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA 3 30 3	2,09	-0,59	-2,66	2,25	8,28	0,08	8,57	2,18
			NL3 Br. Lc 1b Cold WLA Ah,T N	2,09	-0,59	-2,66	2,25	8,28	0,08	8,57	2,18
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 3 30 3	2,09	-0,59	-2,66	2,25	8,28	0,08	8,57	2,18
			NL3 Br. Lc 1b Cold WLB Ah,T N	2,09	-0,59	-2,66	2,25	8,28	0,08	8,57	2,18
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 3 30 3	2,09	0,56	-2,67	-2,14	8,25	-0,08	8,53	2,16
			NL3 Br. Lc 1b Cold WRA Ah,T N	2,09	0,56	-2,67	-2,14	8,25	-0,08	8,53	2,16
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 3 30 3	2,09	0,56	-2,67	-2,14	8,25	-0,08	8,53	2,16
			NL3 Br. Lc 1b Cold WRB Ah,T N	2,09	0,56	-2,67	-2,14	8,25	-0,08	8,53	2,16
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA 3	2,44	-0,72	-2,33	2,69	9,61	0,09	9,98	2,54
			NL3 Br. Lc 3 Wind + ice WLA Ah	3,08	-0,82	-1,74	3,08	12,07	0,11	12,46	3,19
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 3	2,44	-0,72	-2,33	2,69	9,61	0,09	9,98	2,54
			NL3 Br. Lc 3 Wind + ice WLB Ah	3,08	-0,82	-1,74	3,08	12,07	0,11	12,46	3,19
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 3	2,43	0,69	-2,34	-2,56	9,58	-0,09	9,92	2,53
			NL3 Br. Lc 3 Wind + ice WRA Ah	3,07	0,78	-1,75	-2,92	12,03	-0,1	12,38	3,16
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 3	2,43	0,69	-2,34	-2,56	9,58	-0,09	9,92	2,53
			NL3 Br. Lc 3 Wind + ice WRB Ah	3,07	0,78	-1,75	-2,92	12,03	-0,1	12,38	3,16
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 4 Con & Main WLA	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLA	1,98	-0,53	-2,83	2,02	7,83	0,07	8,09	2,05
			NL3 Br. Lc 4 Con & Main WLA	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB	1,98	-0,53	-2,83	2,02	7,83	0,07	8,09	2,05
			NL3 Br. Lc 4 Con & Main WLB	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	1,97	0,51	-2,83	-1,92	7,82	-0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	1,97	0,51	-2,83	-1,92	7,82	-0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			Kortsluiting -20,T NA+	5,08	2,42	2,49	-9,67	19,5	-0,36	21,77	5,63
			Kortsluiting 70,T NA+	4,47	2,42	1,62	-9,67	17,2	-0,36	19,73	5,08
		WT3:g	NL1 10°C GW,T Global	1,77	-0,01	-2,58	0,02	7,05	0	7,05	1,77
			NL1 Lc 1a EWL WL_0,T BI+	2,09	0,96	-3,13	-3,18	8,32	-0,09	8,91	2,29
			NL1 Lc 1a EWL WLA,T NR-	2,09	-0,96	-3,13	3,2	8,33	0,1	8,92	2,3
			NL1 Lc 1a EWL WLB,T NL-	2,09	-0,96	-3,13	3,2	8,33	0,1	8,92	2,3
			NL1 Lc 1a EWL WR_0,T BI-	2,09	-0,96	-3,13	3,2	8,33	0,1	8,92	2,3
			NL1 Lc 1a EWL WRA,T NR+	2,09	0,96	-3,13	-3,18	8,32	-0,09	8,91	2,29
			NL1 Lc 1a EWL WRB,T NL+	2,09	0,96	-3,13	-3,18	8,32	-0,09	8,91	2,29
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	2,01	0,96	-1,86	-3,19	7,97	-0,1	8,58	2,23
			NL1 Lc 1a EWL 0.9 WLA,T NR-	2,01	-0,96	-1,86	3,21	7,97	0,1	8,59	2,23
			NL1 Lc 1a EWL 0.9 WLB,T NL-	2,01	-0,96	-1,86	3,21	7,97	0,1	8,59	2,23
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	2,01	-0,96	-1,86	3,21	7,97	0,1	8,59	2,23
			NL1 Lc 1a EWL 0.9 WRA,T NR+	2,01	0,96	-1,86	-3,19	7,97	-0,1	8,58	2,23
			NL1 Lc 1a EWL 0.9 WRB,T NL+	2,01	0,96	-1,86	-3,19	7,97	-0,1	8,58	2,23
			NL1 Lc 1b Cold WL_0,T BI+	1,94	0,55	-3,29	-2,04	7,77	-0,07	8,03	2,02
			NL1 Lc 1b Cold WLA,T NR-	1,94	-0,55	-3,29	2,06	7,77	0,07	8,04	2,02
			NL1 Lc 1b Cold WLB,T NL-	1,94	-0,55	-3,29	2,06	7,77	0,07	8,04	2,02
			NL1 Lc 1b Cold WR_0,T BI-	1,94	-0,55	-3,29	2,06	7,77	0,07	8,04	2,02
			NL1 Lc 1b Cold WRA,T NR+	1,94	0,55	-3,29	-2,04	7,77	-0,07	8,03	2,02
			NL1 Lc 1b Cold WRB,T NL+	1,94	0,55	-3,29	-2,04	7,77	-0,07	8,03	2,02
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	1,86	0,55	-2,03	-2,04	7,37	-0,07	7,65	1,94
			NL1 Lc 1b Cold 0.9 WLA,T NR-	1,86	-0,55	-2,03	2,06	7,37	0,07	7,66	1,94
			NL1 Lc 1b Cold 0.9 WLB,T NL-	1,86	-0,55	-2,03	2,06	7,37	0,07	7,66	1,94
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	1,86	-0,55	-2,03	2,06	7,37	0,07	7,66	1,94
			NL1 Lc 1b Cold 0.9 WRA,T NR+	1,86	0,55	-2,03	-2,04	7,37	-0,07	7,65	1,94
			NL1 Lc 1b Cold 0.9 WRB,T NL+	1,86	0,55	-2,03	-2,04	7,37	-0,07	7,65	1,94
			NL1 Lc 3 Wind + ice WL_0,T BI	2,63	0,71	-2,89	-2,61	10,46	-0,09	10,79	2,73
			NL1 Lc 3 Wind + ice WLA,T NR	2,63	-0,72	-2,89	2,64	10,47	0,09	10,79	2,73
			NL1 Lc 3 Wind + ice WLB,T NL	2,63	-0,72	-2,89	2,64	10,47	0,09	10,79	2,73
			NL1 Lc 3 Wind + ice WR_0,T BI	2,63	-0,72	-2,89	2,64	10,47	0,09	10,79	2,73
			NL1 Lc 3 Wind + ice WRA,T NR	2,63	0,71	-2,89	-2,61	10,46	-0,09	10,79	2,73
			NL1 Lc 3 Wind + ice WRB,T NL	2,63	0,71	-2,89	-2,61	10,46	-0,09	10,79	2,73
			NL1 Lc 3 Wind + ice 0.9 WL_0,	2,54	0,71	-1,65	-2,61	10,04	-0,09	10,37	2,64
			NL1 Lc 3 Wind + ice 0.9 WLA,T	2,54	-0,72	-1,65	2,64	10,04	0,09	10,38	2,64
			NL1 Lc 3 Wind + ice 0.9 WLB,T	2,54	-0,72	-1,65	2,64	10,04	0,09	10,38	2,64
			NL1 Lc 3 Wind + ice 0.9 WR_0,	2,54	-0,72	-1,65	2,64	10,04	0,09	10,38	2,64
			NL1 Lc 3 Wind + ice 0.9 WRA,T	2,54	0,71	-1,65	-2,61	10,04	-0,09	10,37	2,64
			NL1 Lc 3 Wind + ice 0.9 WRB,T	2,54	0,71	-1,65	-2,61	10,04	-0,09	10,37	2,64
			NL1 Lc 4 Con & Main WL_0,T	1,89	0,49	-3,35	-1,83	7,56	-0,06	7,78	1,95

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	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT3:g	NL1 Lc 4 Con & Main WLA,T N	1,89	-0,50	-3,35	1,85	7,56	0,06	7,78	1,95
			NL1 Lc 4 Con & Main WLB,T N	1,89	-0,50	-3,35	1,85	7,56	0,06	7,78	1,95
			NL1 Lc 4 Con & Main WR_0,T	1,89	-0,50	-3,35	1,85	7,56	0,06	7,78	1,95
			NL1 Lc 4 Con & Main WRA,T N	1,89	0,49	-3,35	-1,83	7,56	-0,06	7,78	1,95
			NL1 Lc 4 Con & Main WRB,T N	1,89	0,49	-3,35	-1,83	7,56	-0,06	7,78	1,95
			NL1 Lc 4 Con & Main 0.9 WL_(	1,81	0,49	-2,09	-1,83	7,17	-0,06	7,4	1,87
			NL1 Lc 4 Con & Main 0.9 WLA	1,81	-0,50	-2,09	1,85	7,17	0,06	7,4	1,87
			NL1 Lc 4 Con & Main 0.9 WLB	1,81	-0,50	-2,09	1,85	7,17	0,06	7,4	1,87
			NL1 Lc 4 Con & Main 0.9 WR_	1,81	-0,50	-2,09	1,85	7,17	0,06	7,4	1,87
			NL1 Lc 4 Con & Main 0.9 WRA	1,81	0,49	-2,09	-1,83	7,17	-0,06	7,4	1,87
			NL1 Lc 4 Con & Main 0.9 WRB	1,81	0,49	-2,09	-1,83	7,17	-0,06	7,4	1,87
			NL1 Lc 6 Permanent GW,T Gl	1,87	-0,01	-4,04	0,02	7,52	0	7,52	1,87
			NL1 Lc 6 Permanent 0.9 GW,T	1,74	-0,01	-2,16	0,02	6,91	0	6,91	1,74
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL 0.9 WLA 5	1,87	-0,68	-2,02	2,39	7,42	0,08	7,79	1,99
			NL3 Br. Lc 1a EWL 0.9 WLA 7	1,87	-0,68	-2,02	2,39	7,42	0,08	7,79	1,99
			NL3 Br. Lc 1a EWL 0.9 WLB 5	1,87	-0,68	-2,02	2,39	7,42	0,08	7,79	1,99
			NL3 Br. Lc 1a EWL 0.9 WLB 7	1,87	-0,68	-2,02	2,39	7,42	0,08	7,79	1,99
			NL3 Br. Lc 1a EWL 0.9 WRA 5	1,87	0,68	-2,02	-2,37	7,41	-0,08	7,78	1,99
			NL3 Br. Lc 1a EWL 0.9 WRA 7	1,87	0,68	-2,02	-2,37	7,41	-0,08	7,78	1,99
			NL3 Br. Lc 1a EWL 0.9 WRB 5	1,87	0,68	-2,02	-2,37	7,41	-0,08	7,78	1,99
			NL3 Br. Lc 1a EWL 0.9 WRB 7	1,87	0,68	-2,02	-2,37	7,41	-0,08	7,78	1,99
			NL3 Br. Lc 1b Cold 0.9 WLA 5	1,85	-0,53	-2,04	1,99	7,34	0,07	7,61	1,93
			NL3 Br. Lc 1b Cold 0.9 WLA 7	1,85	-0,53	-2,04	1,99	7,34	0,07	7,61	1,93
			NL3 Br. Lc 1b Cold 0.9 WLB 5	1,85	-0,53	-2,04	1,99	7,34	0,07	7,61	1,93
			NL3 Br. Lc 1b Cold 0.9 WLB 7	1,85	-0,53	-2,04	1,99	7,34	0,07	7,61	1,93
			NL3 Br. Lc 1b Cold 0.9 WRA 5	1,85	0,52	-2,04	-1,97	7,34	-0,07	7,6	1,92
			NL3 Br. Lc 1b Cold 0.9 WRA 7	1,85	0,52	-2,04	-1,97	7,34	-0,07	7,6	1,92
			NL3 Br. Lc 1b Cold 0.9 WRB 5	1,85	0,52	-2,04	-1,97	7,34	-0,07	7,6	1,92
			NL3 Br. Lc 1b Cold 0.9 WRB 7	1,85	0,52	-2,04	-1,97	7,34	-0,07	7,6	1,92
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	-0,66	-1,86	2,28	8,86	0,07	9,15	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	-0,66	-1,86	2,28	8,86	0,07	9,15	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	-0,66	-1,86	2,28	8,86	0,07	9,15	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	-0,66	-1,86	2,28	8,86	0,07	9,15	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	0,65	-1,86	-2,26	8,86	-0,07	9,14	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	0,65	-1,86	-2,26	8,86	-0,07	9,14	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	0,65	-1,86	-2,26	8,86	-0,07	9,14	2,33
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,24	0,65	-1,86	-2,26	8,86	-0,07	9,14	2,33
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,60	-2,10	2,03	7,14	0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,60	-2,10	2,03	7,14	0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,60	-2,10	2,03	7,14	0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	-0,60	-2,10	2,03	7,14	0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,59	-2,10	-2,02	7,14	-0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,59	-2,10	-2,02	7,14	-0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,59	-2,10	-2,02	7,14	-0,06	7,42	1,89
			NL3 Br. Lc 4 Con & Main 0.9 V	1,80	0,59	-2,10	-2,02	7,14	-0,06	7,42	1,89
			NL3 Br. Lc 1a EWL WLA 1 20 2	1,95	-0,68	-3,28	2,39	7,8	0,08	8,16	2,07
			NL3 Br. Lc 1a EWL WLA 3 30 3	1,95	-0,68	-3,28	2,39	7,8	0,08	8,16	2,07
			NL3 Br. Lc 1a EWL WLA Ah,T N	1,95	-0,68	-3,28	2,39	7,8	0,08	8,16	2,07
			NL3 Br. Lc 1a EWL WLB 1 20 2	1,95	-0,68	-3,28	2,39	7,8	0,08	8,16	2,07
			NL3 Br. Lc 1a EWL WLB 3 30 3	1,95	-0,68	-3,28	2,39	7,8	0,08	8,16	2,07
			NL3 Br. Lc 1a EWL WLB Ah,T N	1,95	-0,68	-3,28	2,39	7,8	0,08	8,16	2,07
			NL3 Br. Lc 1a EWL WRA 1 20 2	1,95	0,68	-3,28	-2,37	7,79	-0,08	8,15	2,06
			NL3 Br. Lc 1a EWL WRA 3 30 3	1,95	0,68	-3,28	-2,37	7,79	-0,08	8,15	2,06
			NL3 Br. Lc 1a EWL WRA Ah,T N	1,95	0,68	-3,28	-2,37	7,79	-0,08	8,15	2,06
			NL3 Br. Lc 1a EWL WRB 1 20 2	1,95	0,68	-3,28	-2,37	7,79	-0,08	8,15	2,06
			NL3 Br. Lc 1a EWL WRB 3 30 3	1,95	0,68	-3,28	-2,37	7,79	-0,08	8,15	2,06
			NL3 Br. Lc 1a EWL WRB Ah,T N	1,95	0,68	-3,28	-2,37	7,79	-0,08	8,15	2,06
			NL3 Br. Lc 1b Cold WLA 1 20 2	1,94	-0,53	-3,30	1,99	7,74	0,07	7,99	2,01
			NL3 Br. Lc 1b Cold WLA 3 30 3	1,94	-0,53	-3,30	1,99	7,74	0,07	7,99	2,01
			NL3 Br. Lc 1b Cold WLA Ah,T N	1,94	-0,53	-3,30	1,99	7,74	0,07	7,99	2,01
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 1 20 2	1,94	-0,53	-3,30	1,99	7,74	0,07	7,99	2,01
			NL3 Br. Lc 1b Cold WLB 3 30 3	1,94	-0,53	-3,30	1,99	7,74	0,07	7,99	2,01
			NL3 Br. Lc 1b Cold WLB Ah,T N	1,94	-0,53	-3,30	1,99	7,74	0,07	7,99	2,01
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 1 20 2	1,94	0,52	-3,30	-1,97	7,74	-0,07	7,98	2
			NL3 Br. Lc 1b Cold WRA 3 30 3	1,94	0,52	-3,30	-1,97	7,74	-0,07	7,98	2
			NL3 Br. Lc 1b Cold WRA Ah,T N	1,94	0,52	-3,30	-1,97	7,74	-0,07	7,98	2
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 1 20 2	1,94	0,52	-3,30	-1,97	7,74	-0,07	7,98	2
			NL3 Br. Lc 1b Cold WRB 3 30 3	1,94	0,52	-3,30	-1,97	7,74	-0,07	7,98	2
			NL3 Br. Lc 1b Cold WRB Ah,T N	1,94	0,52	-3,30	-1,97	7,74	-0,07	7,98	2
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 3 Wind + ice WLA 1	2,07	-0,58	-3,23	2,13	8,28	0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WLA 3	2,07	-0,58	-3,23	2,13	8,28	0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WLA Ah	2,37	-0,62	-3,06	2,31	9,43	0,08	9,71	2,45
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 1	2,07	-0,58	-3,23	2,13	8,28	0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WLB 3	2,07	-0,58	-3,23	2,13	8,28	0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WLB Ah	2,37	-0,62	-3,06	2,31	9,43	0,08	9,71	2,45
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 1	2,07	0,57	-3,23	-2,11	8,28	-0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WRA 3	2,07	0,57	-3,23	-2,11	8,28	-0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WRA Ah	2,37	0,62	-3,06	-2,28	9,43	-0,08	9,7	2,45
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 1	2,07	0,57	-3,23	-2,11	8,28	-0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WRB 3	2,07	0,57	-3,23	-2,11	8,28	-0,07	8,55	2,15
			NL3 Br. Lc 3 Wind + ice WRB Ah	2,37	0,62	-3,06	-2,28	9,43	-0,08	9,7	2,45
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 4 Con & Main WLA	1,88	-0,47	-3,35	1,79	7,54	0,06	7,75	1,94
			NL3 Br. Lc 4 Con & Main WLA	1,88	-0,47	-3,35	1,79	7,54	0,06	7,75	1,94
			NL3 Br. Lc 4 Con & Main WLA	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB	1,88	-0,47	-3,35	1,79	7,54	0,06	7,75	1,94

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT3:g	NL3 Br. Lc 4 Con & Main WLB 3	1,88	-0,47	-3,35	1,79	7,54	0,06	7,75	1,94
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	1,88	0,47	-3,35	-1,77	7,54	-0,06	7,74	1,94
			NL3 Br. Lc 4 Con & Main WRA	1,88	0,47	-3,35	-1,77	7,54	-0,06	7,74	1,94
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	1,88	0,47	-3,35	-1,77	7,54	-0,06	7,74	1,94
			NL3 Br. Lc 4 Con & Main WRB	1,88	0,47	-3,35	-1,77	7,54	-0,06	7,74	1,94
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			Kortsluiting -20,T NA+	3,08	1,85	-1,12	-7,41	12,06	-0,28	14,15	3,59
			Kortsluiting 70,T NA+	2,90	1,85	-1,31	-7,4	11,39	-0,28	13,58	3,44
		WT2:g	NL1 10°C GW,T Global	1,77	-0,01	-2,29	0,02	7,01	0	7,01	1,77
			NL1 Lc 1a EWL WL_0,T BI+	2,40	1,10	-2,40	-3,76	9,46	-0,12	10,18	2,64
			NL1 Lc 1a EWL WLA,T NR-	2,40	-1,11	-2,40	3,78	9,46	0,12	10,19	2,64
			NL1 Lc 1a EWL WLB,T NL-	2,40	-1,11	-2,40	3,78	9,46	0,12	10,19	2,64
			NL1 Lc 1a EWL WR_0,T BI-	2,40	-1,11	-2,40	3,78	9,46	0,12	10,19	2,64
			NL1 Lc 1a EWL WRA,T NR+	2,40	1,10	-2,40	-3,76	9,46	-0,12	10,18	2,64
			NL1 Lc 1a EWL WRB,T NL+	2,40	1,10	-2,40	-3,76	9,46	-0,12	10,18	2,64
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	2,30	1,11	-1,15	-3,77	9,03	-0,12	9,78	2,56
			NL1 Lc 1a EWL 0.9 WLA,T NR-	2,31	-1,11	-1,15	3,79	9,03	0,12	9,79	2,56
			NL1 Lc 1a EWL 0.9 WLB,T NL-	2,31	-1,11	-1,15	3,79	9,03	0,12	9,79	2,56
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	2,31	-1,11	-1,15	3,79	9,03	0,12	9,79	2,56
			NL1 Lc 1a EWL 0.9 WRA,T NR+	2,30	1,11	-1,15	-3,77	9,03	-0,12	9,78	2,56
			NL1 Lc 1a EWL 0.9 WRB,T NL+	2,30	1,11	-1,15	-3,77	9,03	-0,12	9,78	2,56
			NL1 Lc 1b Cold WL_0,T BI+	2,03	0,58	-2,88	-2,17	8,05	-0,08	8,34	2,11
			NL1 Lc 1b Cold WLA,T NR-	2,03	-0,58	-2,87	2,19	8,06	0,08	8,35	2,11
			NL1 Lc 1b Cold WLB,T NL-	2,03	-0,58	-2,87	2,19	8,06	0,08	8,35	2,11
			NL1 Lc 1b Cold WR_0,T BI-	2,03	-0,58	-2,87	2,19	8,06	0,08	8,35	2,11
			NL1 Lc 1b Cold WRA,T NR+	2,03	0,58	-2,88	-2,17	8,05	-0,08	8,34	2,11
			NL1 Lc 1b Cold WRB,T NL+	2,03	0,58	-2,88	-2,17	8,05	-0,08	8,34	2,11
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	1,91	0,58	-1,66	-2,17	7,51	-0,08	7,82	2
			NL1 Lc 1b Cold 0.9 WLA,T NR-	1,91	-0,58	-1,66	2,19	7,52	0,08	7,83	2
			NL1 Lc 1b Cold 0.9 WLB,T NL-	1,91	-0,58	-1,66	2,19	7,52	0,08	7,83	2
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	1,91	-0,58	-1,66	2,19	7,52	0,08	7,83	2
			NL1 Lc 1b Cold 0.9 WRA,T NR+	1,91	0,58	-1,66	-2,17	7,51	-0,08	7,82	2
			NL1 Lc 1b Cold 0.9 WRB,T NL+	1,91	0,58	-1,66	-2,17	7,51	-0,08	7,82	2
			NL1 Lc 3 Wind + ice WL_0,T B	3,13	0,83	-1,97	-3,1	12,32	-0,11	12,7	3,24
			NL1 Lc 3 Wind + ice WLA,T NR	3,13	-0,84	-1,96	3,12	12,32	0,11	12,71	3,24
			NL1 Lc 3 Wind + ice WLB,T NL	3,13	-0,84	-1,96	3,12	12,32	0,11	12,71	3,24
			NL1 Lc 3 Wind + ice WR_0,T B	3,13	-0,84	-1,96	3,12	12,32	0,11	12,71	3,24
			NL1 Lc 3 Wind + ice WRA,T NI	3,13	0,83	-1,97	-3,1	12,32	-0,11	12,7	3,24
			NL1 Lc 3 Wind + ice WRB,T NI	3,13	0,83	-1,97	-3,1	12,32	-0,11	12,7	3,24
			NL1 Lc 3 Wind + ice 0.9 WL_0,	3,00	0,83	-0,77	-3,1	11,74	-0,11	12,14	3,11
			NL1 Lc 3 Wind + ice 0.9 WLA,T	3,00	-0,84	-0,76	3,13	11,75	0,11	12,16	3,12
			NL1 Lc 3 Wind + ice 0.9 WLB,T	3,00	-0,84	-0,76	3,13	11,75	0,11	12,16	3,12
			NL1 Lc 3 Wind + ice 0.9 WR_0,	3,00	-0,84	-0,76	3,13	11,75	0,11	12,16	3,12
			NL1 Lc 3 Wind + ice 0.9 WRA,T	3,00	0,83	-0,77	-3,1	11,74	-0,11	12,14	3,11
			NL1 Lc 3 Wind + ice 0.9 WRB,T	3,00	0,83	-0,77	-3,1	11,74	-0,11	12,14	3,11
			NL1 Lc 4 Con & Main WL_0,T	1,94	0,52	-2,99	-1,95	7,71	-0,07	7,95	2,01
			NL1 Lc 4 Con & Main WLA,T N	1,94	-0,52	-2,99	1,97	7,71	0,07	7,96	2,01
			NL1 Lc 4 Con & Main WLB,T N	1,94	-0,52	-2,99	1,97	7,71	0,07	7,96	2,01
			NL1 Lc 4 Con & Main WR_0,T	1,94	-0,52	-2,99	1,97	7,71	0,07	7,96	2,01
			NL1 Lc 4 Con & Main WRA,T N	1,94	0,52	-2,99	-1,95	7,71	-0,07	7,95	2,01
			NL1 Lc 4 Con & Main WRB,T N	1,94	0,52	-2,99	-1,95	7,71	-0,07	7,95	2,01
			NL1 Lc 4 Con & Main 0.9 WL_ (	1,82	0,52	-1,77	-1,95	7,18	-0,07	7,44	1,9
			NL1 Lc 4 Con & Main 0.9 WLA	1,82	-0,52	-1,77	1,97	7,18	0,07	7,45	1,9
			NL1 Lc 4 Con & Main 0.9 WLB	1,82	-0,52	-1,77	1,97	7,18	0,07	7,45	1,9
			NL1 Lc 4 Con & Main 0.9 WR_	1,82	-0,52	-1,77	1,97	7,18	0,07	7,45	1,9
			NL1 Lc 4 Con & Main 0.9 WRA	1,82	0,52	-1,77	-1,95	7,18	-0,07	7,44	1,9
			NL1 Lc 4 Con & Main 0.9 WRB	1,82	0,52	-1,77	-1,95	7,18	-0,07	7,44	1,9
			NL1 Lc 6 Permanent GW,T Gl	1,92	-0,01	-3,70	0,02	7,66	0	7,66	1,92
			NL1 Lc 6 Permanent 0.9 GW,T	1,73	-0,01	-1,89	0,02	6,83	0	6,83	1,73
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL 0.9 WLA 5	1,97	-0,76	-1,58	2,69	7,74	0,09	8,2	2,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	1,97	-0,76	-1,58	2,69	7,74	0,09	8,2	2,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	1,97	-0,76	-1,58	2,69	7,74	0,09	8,2	2,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	1,97	-0,76	-1,58	2,69	7,74	0,09	8,2	2,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	1,97	0,75	-1,58	-2,67	7,74	-0,09	8,19	2,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	1,97	0,75	-1,58	-2,67	7,74	-0,09	8,19	2,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	1,97	0,75	-1,58	-2,67	7,74	-0,09	8,19	2,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	1,97	0,75	-1,58	-2,67	7,74	-0,09	8,19	2,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	1,89	-0,55	-1,68	2,09	7,45	0,07	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WLA 7	1,89	-0,55	-1,68	2,09	7,45	0,07	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WLB 5	1,89	-0,55	-1,68	2,09	7,45	0,07	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WLB 7	1,89	-0,55	-1,68	2,09	7,45	0,07	7,74	1,97
			NL3 Br. Lc 1b Cold 0.9 WRA 5	1,89	0,55	-1,68	-2,07	7,45	-0,07	7,73	1,97
			NL3 Br. Lc 1b Cold 0.9 WRA 7	1,89	0,55	-1,68	-2,07	7,45	-0,07	7,73	1,97
			NL3 Br. Lc 1b Cold 0.9 WRB 5	1,89	0,55	-1,68	-2,07	7,45	-0,07	7,73	1,97
			NL3 Br. Lc 1b Cold 0.9 WRB 7	1,89	0,55	-1,68	-2,07	7,45	-0,07	7,73	1,97
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	-0,71	-1,26	2,5	9,75	0,08	10,07	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	-0,71	-1,26	2,5	9,75	0,08	10,07	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	-0,71	-1,26	2,5	9,75	0,08	10,07	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	-0,71	-1,26	2,5	9,75	0,08	10,07	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,71	-1,26	-2,48	9,75	-0,08	10,06	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,71	-1,26	-2,48	9,75	-0,08	10,06	2,58
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,48	0,71	-1,26	-2,48	9,75	-0,08	10,06	2,58
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,62	-1,79	2,12	7,13	0,07	7,44	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,62	-1,79	2,12	7,13	0,07	7,44	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,62	-1,79	2,12	7,13	0,07	7,44	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,62	-1,79	2,12	7,13	0,07	7,44	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,62	-1,79	-2,11	7,13	-0,07	7,43	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,62	-1,79	-2,11	7,13	-0,07	7,43	1,91
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,62	-1,79	-2,11	7,13	-0,07	7,43	1,91

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT2:g	NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,62	-1,79	-2,11	7,13	-0,07	7,43	1,91
			NL3 Br. Lc 1a EWL WLA 1 20 2	2,08	-0,76	-2,81	2,69	8,24	0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WLA 3 30 3	2,08	-0,76	-2,81	2,69	8,24	0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WLA Ah,T N	2,08	-0,76	-2,81	2,69	8,24	0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WLB 1 20 2	2,08	-0,76	-2,81	2,69	8,24	0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WLB 3 30 3	2,08	-0,76	-2,81	2,69	8,24	0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WLB Ah,T N	2,08	-0,76	-2,81	2,69	8,24	0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WRA 1 20 2	2,08	0,75	-2,81	-2,67	8,24	-0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WRA 3 30 3	2,08	0,75	-2,81	-2,67	8,24	-0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WRA Ah,T N	2,08	0,75	-2,81	-2,67	8,24	-0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WRB 1 20 2	2,08	0,75	-2,81	-2,67	8,24	-0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WRB 3 30 3	2,08	0,75	-2,81	-2,67	8,24	-0,09	8,66	2,21
			NL3 Br. Lc 1a EWL WRB Ah,T N	2,08	0,75	-2,81	-2,67	8,24	-0,09	8,66	2,21
			NL3 Br. Lc 1b Cold WLA 1 20 2	2,02	-0,55	-2,89	2,09	8	0,07	8,27	2,09
			NL3 Br. Lc 1b Cold WLA 3 30 3	2,02	-0,55	-2,89	2,09	8	0,07	8,27	2,09
			NL3 Br. Lc 1b Cold WLA Ah,T N	2,02	-0,55	-2,89	2,09	8	0,07	8,27	2,09
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 1 20 2	2,02	-0,55	-2,89	2,09	8	0,07	8,27	2,09
			NL3 Br. Lc 1b Cold WLB 3 30 3	2,02	-0,55	-2,89	2,09	8	0,07	8,27	2,09
			NL3 Br. Lc 1b Cold WLB Ah,T N	2,02	-0,55	-2,89	2,09	8	0,07	8,27	2,09
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 1 20 2	2,02	0,55	-2,90	-2,07	8	-0,07	8,26	2,09
			NL3 Br. Lc 1b Cold WRA 3 30 3	2,02	0,55	-2,90	-2,07	8	-0,07	8,26	2,09
			NL3 Br. Lc 1b Cold WRA Ah,T N	2,02	0,55	-2,90	-2,07	8	-0,07	8,26	2,09
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 1 20 2	2,02	0,55	-2,90	-2,07	8	-0,07	8,26	2,09
			NL3 Br. Lc 1b Cold WRB 3 30 3	2,02	0,55	-2,90	-2,07	8	-0,07	8,26	2,09
			NL3 Br. Lc 1b Cold WRB Ah,T N	2,02	0,55	-2,90	-2,07	8	-0,07	8,26	2,09
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 3 Wind + ice WLA 1	2,24	-0,64	-2,72	2,37	8,89	0,08	9,2	2,33
			NL3 Br. Lc 3 Wind + ice WLA 3	2,24	-0,64	-2,72	2,37	8,89	0,08	9,2	2,33
			NL3 Br. Lc 3 Wind + ice WLA Ah	2,70	-0,71	-2,35	2,64	10,65	0,09	10,98	2,79
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 1	2,24	-0,64	-2,72	2,37	8,89	0,08	9,2	2,33
			NL3 Br. Lc 3 Wind + ice WLB 3	2,24	-0,64	-2,72	2,37	8,89	0,08	9,2	2,33
			NL3 Br. Lc 3 Wind + ice WLB Ah	2,70	-0,71	-2,35	2,64	10,65	0,09	10,98	2,79
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 1	2,24	0,63	-2,72	-2,35	8,88	-0,08	9,19	2,33
			NL3 Br. Lc 3 Wind + ice WRA 3	2,24	0,63	-2,72	-2,35	8,88	-0,08	9,19	2,33
			NL3 Br. Lc 3 Wind + ice WRA Ah	2,70	0,70	-2,35	-2,62	10,65	-0,09	10,97	2,79
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 1	2,24	0,63	-2,72	-2,35	8,88	-0,08	9,19	2,33
			NL3 Br. Lc 3 Wind + ice WRB 3	2,24	0,63	-2,72	-2,35	8,88	-0,08	9,19	2,33
			NL3 Br. Lc 3 Wind + ice WRB Ah	2,70	0,70	-2,35	-2,62	10,65	-0,09	10,97	2,79
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 4 Con & Main WLA 1	1,93	-0,49	-3,00	1,88	7,67	0,07	7,9	1,99
			NL3 Br. Lc 4 Con & Main WLA 3	1,93	-0,49	-3,00	1,88	7,67	0,07	7,9	1,99
			NL3 Br. Lc 4 Con & Main WLA 8	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WLB 1	1,93	-0,49	-3,00	1,88	7,67	0,07	7,9	1,99
			NL3 Br. Lc 4 Con & Main WLB 3	1,93	-0,49	-3,00	1,88	7,67	0,07	7,9	1,99
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	1,93	0,49	-3,01	-1,86	7,67	-0,07	7,89	1,99
			NL3 Br. Lc 4 Con & Main WRA	1,93	0,49	-3,01	-1,86	7,67	-0,07	7,89	1,99
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	1,93	0,49	-3,01	-1,86	7,67	-0,07	7,89	1,99
			NL3 Br. Lc 4 Con & Main WRB	1,93	0,49	-3,01	-1,86	7,67	-0,07	7,89	1,99
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			Kortsluiting -20,T NA+	4,04	2,15	0,68	-8,57	15,64	-0,32	17,84	4,58
			Kortsluiting 70,T NA+	3,66	2,14	0,19	-8,56	14,2	-0,32	16,58	4,24
		WT1:g	NL1 10°C GW,T Global	1,77	-0,01	-2,12	0,01	6,97	0	6,97	1,77
			NL1 Lc 1a EWL WL_0,T BI+	2,82	1,26	-1,55	-4,4	11,01	-0,14	11,86	3,09
			NL1 Lc 1a EWL WLA,T NR-	2,82	-1,27	-1,55	4,42	11,01	0,14	11,87	3,09
			NL1 Lc 1a EWL WLB,T NL-	2,82	-1,27	-1,55	4,42	11,01	0,14	11,87	3,09
			NL1 Lc 1a EWL WR_0,T BI-	2,82	-1,27	-1,55	4,42	11,01	0,14	11,87	3,09
			NL1 Lc 1a EWL WRA,T NR+	2,82	1,26	-1,55	-4,4	11,01	-0,14	11,86	3,09
			NL1 Lc 1a EWL WRB,T NL+	2,82	1,26	-1,55	-4,4	11,01	-0,14	11,86	3,09
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	2,71	1,27	-0,31	-4,42	10,53	-0,14	11,42	2,99
			NL1 Lc 1a EWL 0.9 WLA,T NR-	2,71	-1,27	-0,30	4,44	10,53	0,14	11,43	3
			NL1 Lc 1a EWL 0.9 WLB,T NL-	2,71	-1,27	-0,30	4,44	10,53	0,14	11,43	3
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	2,71	-1,27	-0,30	4,44	10,53	0,14	11,43	3
			NL1 Lc 1a EWL 0.9 WRA,T NR+	2,71	1,27	-0,31	-4,42	10,53	-0,14	11,42	2,99
			NL1 Lc 1a EWL 0.9 WRB,T NL+	2,71	1,27	-0,31	-4,42	10,53	-0,14	11,42	2,99
			NL1 Lc 1b Cold WL_0,T BI+	2,12	0,61	-2,55	-2,31	8,37	-0,08	8,68	2,21
			NL1 Lc 1b Cold WLA,T NR-	2,12	-0,62	-2,55	2,32	8,37	0,08	8,69	2,21
			NL1 Lc 1b Cold WLB,T NL-	2,12	-0,62	-2,55	2,32	8,37	0,08	8,69	2,21
			NL1 Lc 1b Cold WR_0,T BI-	2,12	-0,62	-2,55	2,32	8,37	0,08	8,69	2,21
			NL1 Lc 1b Cold WRA,T NR+	2,12	0,61	-2,55	-2,31	8,37	-0,08	8,68	2,21
			NL1 Lc 1b Cold WRB,T NL+	2,12	0,61	-2,55	-2,31	8,37	-0,08	8,68	2,21
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	1,96	0,61	-1,39	-2,31	7,68	-0,08	8,02	2,06
			NL1 Lc 1b Cold 0.9 WLA,T NR-	1,96	-0,62	-1,39	2,32	7,68	0,08	8,02	2,06
			NL1 Lc 1b Cold 0.9 WLB,T NL-	1,96	-0,62	-1,39	2,32	7,68	0,08	8,02	2,06
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	1,96	-0,62	-1,39	2,32	7,68	0,08	8,02	2,06
			NL1 Lc 1b Cold 0.9 WRA,T NR+	1,96	0,61	-1,39	-2,31	7,68	-0,08	8,02	2,06
			NL1 Lc 1b Cold 0.9 WRB,T NL+	1,96	0,61	-1,39	-2,31	7,68	-0,08	8,02	2,06
			NL1 Lc 3 Wind + ice WL_0,T B	3,69	0,97	-0,98	-3,63	14,39	-0,13	14,84	3,81
			NL1 Lc 3 Wind + ice WLA,T NR	3,69	-0,97	-0,97	3,66	14,4	0,13	14,86	3,82
			NL1 Lc 3 Wind + ice WLB,T NL	3,69	-0,97	-0,97	3,66	14,4	0,13	14,86	3,82
			NL1 Lc 3 Wind + ice WR_0,T B	3,69	-0,97	-0,97	3,66	14,4	0,13	14,86	3,82
			NL1 Lc 3 Wind + ice WRA,T NI	3,69	0,97	-0,98	-3,63	14,39	-0,13	14,84	3,81
			NL1 Lc 3 Wind + ice WRB,T NI	3,69	0,97	-0,98	-3,63	14,39	-0,13	14,84	3,81
			NL1 Lc 3 Wind + ice 0.9 WL_0,	3,52	0,97	0,18	-3,64	13,68	-0,13	14,16	3,65
			NL1 Lc 3 Wind + ice 0.9 WLA,T	3,52	-0,98	0,18	3,66	13,69	0,13	14,17	3,66
			NL1 Lc 3 Wind + ice 0.9 WLB,T	3,52	-0,98	0,18	3,66	13,69	0,13	14,17	3,66
			NL1 Lc 3 Wind + ice 0.9 WR_0,	3,52	-0,98	0,18	3,66	13,69	0,13	14,17	3,66
			NL1 Lc 3 Wind + ice 0.9 WRA,T	3,52	0,97	0,18	-3,64	13,68	-0,13	14,16	3,65
			NL1 Lc 3 Wind + ice 0.9 WRB,T	3,52	0,97	0,18	-3,64	13,68	-0,13	14,16	3,65

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

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	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT1:g	NL1 Lc 4 Con & Main WL_0,T	1,99	0,55	-2,73	-2,07	7,88	-0,07	8,15	2,07
			NL1 Lc 4 Con & Main WLA,T N	1,99	-0,55	-2,73	2,09	7,89	0,07	8,16	2,07
			NL1 Lc 4 Con & Main WLB,T N	1,99	-0,55	-2,73	2,09	7,89	0,07	8,16	2,07
			NL1 Lc 4 Con & Main WR_0,T	1,99	-0,55	-2,73	2,09	7,89	0,07	8,16	2,07
			NL1 Lc 4 Con & Main WRA,T N	1,99	0,55	-2,73	-2,07	7,88	-0,07	8,15	2,07
			NL1 Lc 4 Con & Main WRB,T N	1,99	0,55	-2,73	-2,07	7,88	-0,07	8,15	2,07
			NL1 Lc 4 Con & Main 0.9 WL_0	1,84	0,55	-1,56	-2,08	7,21	-0,07	7,51	1,92
			NL1 Lc 4 Con & Main 0.9 WLA	1,84	-0,55	-1,56	2,09	7,22	0,07	7,51	1,92
			NL1 Lc 4 Con & Main 0.9 WLB	1,84	-0,55	-1,56	2,09	7,22	0,07	7,51	1,92
			NL1 Lc 4 Con & Main 0.9 WR_	1,84	-0,55	-1,56	2,09	7,22	0,07	7,51	1,92
			NL1 Lc 4 Con & Main 0.9 WRA	1,84	0,55	-1,56	-2,08	7,21	-0,07	7,51	1,92
			NL1 Lc 4 Con & Main 0.9 WRB	1,84	0,55	-1,56	-2,08	7,21	-0,07	7,51	1,92
			NL1 Lc 6 Permanent GW,T Gl	1,96	-0,01	-3,47	0,02	7,81	0	7,81	1,96
			NL1 Lc 6 Permanent 0.9 GW,T	1,71	-0,01	-1,74	0,01	6,74	0	6,74	1,71
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,17	-3,37	0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,17	-3,37	-0,34	-0,01	0	0,34	0,17
			NL3 Br. Lc 1a EWL 0.9 WLA 5	2,11	-0,84	-1,18	3,02	8,23	0,1	8,77	2,27
			NL3 Br. Lc 1a EWL 0.9 WLA 7	2,11	-0,84	-1,18	3,02	8,23	0,1	8,77	2,27
			NL3 Br. Lc 1a EWL 0.9 WLB 5	2,11	-0,84	-1,18	3,02	8,23	0,1	8,77	2,27
			NL3 Br. Lc 1a EWL 0.9 WLB 7	2,11	-0,84	-1,18	3,02	8,23	0,1	8,77	2,27
			NL3 Br. Lc 1a EWL 0.9 WRA 5	2,11	0,84	-1,18	-3	8,23	-0,1	8,76	2,27
			NL3 Br. Lc 1a EWL 0.9 WRA 7	2,11	0,84	-1,18	-3	8,23	-0,1	8,76	2,27
			NL3 Br. Lc 1a EWL 0.9 WRB 5	2,11	0,84	-1,18	-3	8,23	-0,1	8,76	2,27
			NL3 Br. Lc 1a EWL 0.9 WRB 7	2,11	0,84	-1,18	-3	8,23	-0,1	8,76	2,27
			NL3 Br. Lc 1b Cold 0.9 WLA 5	1,93	-0,58	-1,43	2,2	7,57	0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WLA 7	1,93	-0,58	-1,43	2,2	7,57	0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WLB 5	1,93	-0,58	-1,43	2,2	7,57	0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WLB 7	1,93	-0,58	-1,43	2,2	7,57	0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WRA 5	1,93	0,57	-1,43	-2,18	7,57	-0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WRA 7	1,93	0,57	-1,43	-2,18	7,57	-0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WRB 5	1,93	0,57	-1,43	-2,18	7,57	-0,08	7,88	2,02
			NL3 Br. Lc 1b Cold 0.9 WRB 7	1,93	0,57	-1,43	-2,18	7,57	-0,08	7,88	2,02
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	-0,78	-0,71	2,75	10,72	0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	-0,78	-0,71	2,75	10,72	0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	-0,78	-0,71	2,75	10,72	0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,75	-0,78	-0,71	2,75	10,72	0,09	11,06	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,74	0,77	-0,71	-2,73	10,71	-0,09	11,05	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,74	0,77	-0,71	-2,73	10,71	-0,09	11,05	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,74	0,77	-0,71	-2,73	10,71	-0,09	11,05	2,85
			NL3 Br. Lc 3 Wind + ice 0.9 W	2,74	0,77	-0,71	-2,73	10,71	-0,09	11,05	2,85
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,64	-1,59	2,22	7,13	0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,64	-1,59	2,22	7,13	0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,64	-1,59	2,22	7,13	0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	-0,64	-1,59	2,22	7,13	0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,64	-1,59	-2,21	7,12	-0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,64	-1,59	-2,21	7,12	-0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,64	-1,59	-2,21	7,12	-0,07	7,46	1,92
			NL3 Br. Lc 4 Con & Main 0.9 V	1,81	0,64	-1,59	-2,21	7,12	-0,07	7,46	1,92
			NL3 Br. Lc 1a EWL WLA 1 20 2	2,24	-0,84	-2,38	3,01	8,83	0,1	9,33	2,39
			NL3 Br. Lc 1a EWL WLA 3 30 3	2,24	-0,84	-2,38	3,01	8,83	0,1	9,33	2,39
			NL3 Br. Lc 1a EWL WLA Ah,T N	2,24	-0,84	-2,38	3,01	8,83	0,1	9,33	2,39
			NL3 Br. Lc 1a EWL WLB 1 20 2	2,24	-0,84	-2,38	3,01	8,83	0,1	9,33	2,39
			NL3 Br. Lc 1a EWL WLB 3 30 3	2,24	-0,84	-2,38	3,01	8,83	0,1	9,33	2,39
			NL3 Br. Lc 1a EWL WLB Ah,T N	2,24	-0,84	-2,38	3,01	8,83	0,1	9,33	2,39
			NL3 Br. Lc 1a EWL WRA 1 20 2	2,24	0,83	-2,38	-2,99	8,83	-0,1	9,32	2,39
			NL3 Br. Lc 1a EWL WRA 3 30 3	2,24	0,83	-2,38	-2,99	8,83	-0,1	9,32	2,39
			NL3 Br. Lc 1a EWL WRA Ah,T N	2,24	0,83	-2,38	-2,99	8,83	-0,1	9,32	2,39
			NL3 Br. Lc 1a EWL WRB 1 20 2	2,24	0,83	-2,38	-2,99	8,83	-0,1	9,32	2,39
			NL3 Br. Lc 1a EWL WRB 3 30 3	2,24	0,83	-2,38	-2,99	8,83	-0,1	9,32	2,39
			NL3 Br. Lc 1a EWL WRB Ah,T N	2,24	0,83	-2,38	-2,99	8,83	-0,1	9,32	2,39
			NL3 Br. Lc 1b Cold WLA 1 20 2	2,10	-0,58	-2,59	2,2	8,27	0,08	8,56	2,17
			NL3 Br. Lc 1b Cold WLA 3 30 3	2,10	-0,58	-2,59	2,2	8,27	0,08	8,56	2,17
			NL3 Br. Lc 1b Cold WLA Ah,T N	2,10	-0,58	-2,59	2,2	8,27	0,08	8,56	2,17
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB 1 20 2	2,10	-0,58	-2,59	2,2	8,27	0,08	8,56	2,17
			NL3 Br. Lc 1b Cold WLB 3 30 3	2,10	-0,58	-2,59	2,2	8,27	0,08	8,56	2,17
			NL3 Br. Lc 1b Cold WLB Ah,T N	2,10	-0,58	-2,59	2,2	8,27	0,08	8,56	2,17
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,06	-3,37	0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA 1 20 2	2,10	0,57	-2,59	-2,18	8,27	-0,08	8,55	2,17
			NL3 Br. Lc 1b Cold WRA 3 30 3	2,10	0,57	-2,59	-2,18	8,27	-0,08	8,55	2,17
			NL3 Br. Lc 1b Cold WRA Ah,T N	2,10	0,57	-2,59	-2,18	8,27	-0,08	8,55	2,17
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB 1 20 2	2,10	0,57	-2,59	-2,18	8,27	-0,08	8,55	2,17
			NL3 Br. Lc 1b Cold WRB 3 30 3	2,10	0,57	-2,59	-2,18	8,27	-0,08	8,55	2,17
			NL3 Br. Lc 1b Cold WRB Ah,T N	2,10	0,57	-2,59	-2,18	8,27	-0,08	8,55	2,17
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,06	-3,37	-0,12	0	0	0,12	0,06
			NL3 Br. Lc 3 Wind + ice WLA 1	2,44	-0,70	-2,25	2,62	9,58	0,09	9,94	2,54
			NL3 Br. Lc 3 Wind + ice WLA 3	2,44	-0,70	-2,25	2,62	9,58	0,09	9,94	2,54
			NL3 Br. Lc 3 Wind + ice WLA Ah	3,07	-0,80	-1,64	3	12,01	0,11	12,38	3,17
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB 1	2,44	-0,70	-2,25	2,62	9,58	0,09	9,94	2,54
			NL3 Br. Lc 3 Wind + ice WLB 3	2,44	-0,70	-2,25	2,62	9,58	0,09	9,94	2,54
			NL3 Br. Lc 3 Wind + ice WLB Ah	3,07	-0,80	-1,64	3	12,01	0,11	12,38	3,17
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,09	-3,37	0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA 1	2,44	0,70	-2,26	-2,61	9,58	-0,09	9,93	2,53
			NL3 Br. Lc 3 Wind + ice WRA 3	2,44	0,70	-2,26	-2,61	9,58	-0,09	9,93	2,53
			NL3 Br. Lc 3 Wind + ice WRA Ah	3,07	0,79	-1,65	-2,98	12,01	-0,1	12,37	3,17
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB 1	2,44	0,70	-2,26	-2,61	9,58	-0,09	9,93	2,53
			NL3 Br. Lc 3 Wind + ice WRB 3	2,44	0,70	-2,26	-2,61	9,58	-0,09	9,93	2,53
			NL3 Br. Lc 3 Wind + ice WRB Ah	3,07	0,79	-1,65	-2,98	12,01	-0,1	12,37	3,17
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,09	-3,37	-0,19	0	0	0,19	0,09
			NL3 Br. Lc 4 Con & Main WLA 1	1,97	-0,52	-2,76	1,97	7,81	0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WLA 3	1,97	-0,52	-2,76	1,97	7,81	0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WLA B	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	WT1:g	NL3 Br. Lc 4 Con & Main WLB 1	1,97	-0,52	-2,76	1,97	7,81	0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WLB 3	1,97	-0,52	-2,76	1,97	7,81	0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,05	-3,37	0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRA	1,97	0,52	-2,76	-1,96	7,81	-0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WRA	1,97	0,52	-2,76	-1,96	7,81	-0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			NL3 Br. Lc 4 Con & Main WRB	1,97	0,52	-2,76	-1,96	7,81	-0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WRB	1,97	0,52	-2,76	-1,96	7,81	-0,07	8,05	2,04
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,05	-3,37	-0,1	0	0	0,1	0,05
			Kortsluiting -20,T NA+	5,11	2,44	2,71	-9,74	19,58	-0,36	21,87	5,66
			Kortsluiting 70,T NA+	4,46	2,43	1,78	-9,72	17,15	-0,36	19,72	5,08
		osa6:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T BI+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T BI-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T BI+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T BI-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NI	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa6:g	NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			Kortsluiting -20,T NA+	0,00	0,00	-1,75	0	0	0	0	0
			Kortsluiting 70,T NA+	0,00	0,00	-1,75	0	0	0	0	0
		osa5:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T Bl+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T Bl-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T Bl-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T Bl	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NR	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NL	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa5:g	NL1 Lc 3 Wind + ice 0.9 WRB,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 4 Con & Main WL 0,T	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WR 0,T	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa5:g	NL3 Br. Lc 4 Con & Main WLA E	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB E	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB E	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			Kortsluiting -20,T NA+	0,00	0,00	-1,75	0	0	0	0	0
			Kortsluiting 70,T NA+	0,00	0,00	-1,75	0	0	0	0	0
		osa4:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T BI+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T BI-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T BI+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T BI-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NI	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_(	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa4:g	NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			Kortsluiting -20,T NA+	0,00	0,00	-1,75	0	0	0	0	0
			Kortsluiting 70,T NA+	0,00	0,00	-1,75	0	0	0	0	0
		osa3:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T BI+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T BI-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T BI+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T BI-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NR	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NL	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa3:g	NL1 Lc 3 Wind + ice 0.9 WRA,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa3:g	NL3 Br. Lc 4 Con & Main WLA 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			Kortsluiting -20,T NA+	0,00	0,00	-1,75	0	0	0	0	0
			Kortsluiting 70,T NA+	0,00	0,00	-1,75	0	0	0	0	0
		osa2:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T BI+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T BI-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T BI+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T BI-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NL	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_(	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optreedende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa2:g	NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA B	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB B	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			Kortsluiting -20,T NA+	0,00	0,00	-1,75	0	0	0	0	0
			Kortsluiting 70,T NA+	0,00	0,00	-1,75	0	0	0	0	0
		osa1:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T BI+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T BI-	0,00	-0,20	-2,10	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	0,00	0,20	-2,10	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	0,00	-0,20	-1,58	0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	0,00	0,20	-1,58	-0,25	-0,01	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T BI+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T BI-	0,00	-0,05	-2,10	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	0,00	0,05	-2,10	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,00	-0,05	-1,58	0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,00	0,05	-1,58	-0,06	0	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,07	-2,10	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NR	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NL	0,00	0,07	-2,10	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa1:g	NL1 Lc 3 Wind + ice 0.9 WR_0	0,00	-0,07	-1,58	0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,00	0,07	-1,58	-0,09	0	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,00	-0,11	-1,58	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,00	0,11	-1,58	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,00	-0,04	-1,58	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,00	0,04	-1,58	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	-0,11	-1,58	0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,00	0,11	-1,58	-0,14	0	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,00	-0,11	-2,10	0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	0,00	0,11	-2,10	-0,13	0	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,00	-0,04	-2,10	0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,00	0,04	-2,10	-0,05	0	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,00	-0,06	-2,10	0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,00	0,06	-2,10	-0,07	0	0	0,07	0,06

Belastingen voor : Fundatie belastingen opstijpunt nabij mast 673 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-139-A2

	Kolom1	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**5,11**	**2,44**	**2,71**	**4,52**	**19,58**	**0,14**	**21,87**	**5,66**
	Minimaal optredende belastingen in kN	**0,00**	**-1,29**	**-4,10**	**-9,74**	**-0,01**	**-0,36**	**0,00**	**0,00**

OSP673 (110kV)	osp 673 nw380.pol	osa1:g	NL3 Br. Lc 4 Con & Main WLA 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 8	0,00	-0,03	-2,10	0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	0,00	0,03	-2,10	-0,04	0	0	0,04	0,03
			Kortsluiting -20,T NA+	0,00	0,00	-1,75	0	0	0	0	0
			Kortsluiting 70,T NA+	0,00	0,00	-1,75	0	0	0	0	0

PLS-CADD Version 13.20x64 14:15:10 Thursday, September 24, 2015
DNV KEMA Nederland BV
Project Name: 'e:\projecten\74101611 tennet engineering verbinding nw380\001 tekeningen\050 pls cadd\b24 en c6 aansluiting 110kv en gepast bouwen starkenborgh kanaal\74100828-050-028 tbv b0 b24-c6 v5.DON'
Line Title: 'Mastbelastingen vergunningen'

Criteria Notes:
Calculations according to EN50341-1 and EN50341-1-15 (NNA)

Notificaties t.a.v. het traceontwerp:

- Voor DG1 geldt dat we in 5Vd ijsgebied zitten

- Aan FEA tabel ligt KEMA document 74101611 ETD/POL 12-00638 ten grondslag.

Structure Locations and Usage Report

Structure Number	Structure Name	Station (m)	Line Angle (deg)	--Constraints--- Prohib Zone	Req Pos	Extra Cost	Structure Strength Usage (%)	Insulator Swing Usage (%)	Minimum Required Vertical Load (Uplift)	Deflection	Pole Tip Usage (%)	OK or NG
OSP673 (110kV)	osp 673 nw380.pol	21048.94	0.00			0	9.8	0.0	OK			OK

0 structure violations, 0 structure warnings OK

Summary of Maximum Usages by Load Case

Str. No.	Structure Name	Load Case	Maximum Usage %	Element Label	Element Type
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	3.19	WT6	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	1.07	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	5.27	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	1.97	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	5.30	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	1.98	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	5.27	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	1.97	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	5.30	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	1.98	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	5.27	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	1.97	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WR_0,T BI-	5.30	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WR_0,T BI-	1.98	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WRB,T NL+	3.90	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WRB,T NL+	1.32	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WLB,T NL-	3.91	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WLB,T NL-	1.32	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WRA,T NR+	3.90	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WRA,T NR+	1.32	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WLA,T NR-	3.91	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WLA,T NR-	1.32	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WL_0,T BI+	3.90	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WL_0,T BI+	1.32	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WR_0,T BI-	3.91	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold WR_0,T BI-	1.32	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WRB,T NL+	6.58	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WRB,T NL+	2.54	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WLB,T NL-	6.63	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WLB,T NL-	2.54	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WRA,T NR+	6.58	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WRA,T NR+	2.54	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WLA,T NR-	6.63	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WLA,T NR-	2.54	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WL_0,T BI+	6.58	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WL_0,T BI+	2.54	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WR_0,T BI-	6.63	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice WR_0,T BI-	2.54	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main WRB,T NL+	3.67	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main WRB,T NL+	1.22	C1F1	Strain

OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	3.69	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	1.22	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	3.67	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	1.22	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	3.69	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	1.22	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	3.67	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	1.22	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	3.69	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	1.22	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 6 Permanent	GW,T Global	3.55	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 6 Permanent	GW,T Global	1.13	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WRB,T NL+	5.05	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WRB,T NL+	2.06	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WLB,T NL-	5.07	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WLB,T NL-	2.06	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WRA,T NR+	5.05	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WRA,T NR+	2.06	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WLA,T NR-	5.07	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WLA,T NR-	2.06	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WL_0,T BI+	5.05	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WL_0,T BI+	2.06	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WR_0,T BI-	5.07	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1a EWL 0.9	WR_0,T BI-	2.06	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WRB,T NL+	3.57	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WRB,T NL+	1.32	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WLB,T NL-	3.58	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WLB,T NL-	1.32	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WRA,T NR+	3.57	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WRA,T NR+	1.32	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WLA,T NR-	3.58	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WLA,T NR-	1.32	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WL_0,T BI+	3.57	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WL_0,T BI+	1.32	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WR_0,T BI-	3.58	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold 0.9	WR_0,T BI-	1.32	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WRB,T NL+	6.27	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WRB,T NL+	2.56	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WLB,T NL-	6.31	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WLB,T NL-	2.56	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WRA,T NR+	6.27	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WRA,T NR+	2.56	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WLA,T NR-	6.31	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WLA,T NR-	2.56	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WL_0,T BI+	6.27	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WL_0,T BI+	2.56	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WR_0,T BI-	6.31	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice 0.9	WR_0,T BI-	2.56	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WRB,T NL+	3.35	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WRB,T NL+	1.21	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WLB,T NL-	3.37	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WLB,T NL-	1.21	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WRA,T NR+	3.35	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WRA,T NR+	1.21	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WLA,T NR-	3.37	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WLA,T NR-	1.21	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WL_0,T BI+	3.35	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WL_0,T BI+	1.21	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WR_0,T BI-	3.37	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 4 Con & Main 0.9	WR_0,T BI-	1.21	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 6 Permanent 0.9	GW,T Global	3.11	WT6	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 6 Permanent 0.9	GW,T Global	1.07	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	4.18	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	4.18	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	4.18	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	4.20	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	4.18	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	4.18	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	4.18	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	1.44	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	4.20	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	1.44	C1F1	Strain

OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB	1	20	22	50,T	NL+	3.84	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB	1	20	22	50,T	NL+	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB	3	30	32	52,T	NL+	3.84	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB	3	30	32	52,T	NL+	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB	1	20	22	50,T	NL-	3.84	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB	1	20	22	50,T	NL-	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB	3	30	32	52,T	NL-	3.85	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB	3	30	32	52,T	NL-	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA	1	20	22	50,T	NR+	3.84	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA	1	20	22	50,T	NR+	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA	3	30	32	52,T	NR+	3.84	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA	3	30	32	52,T	NR+	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLA	1	20	22	50,T	NR-	3.84	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLA	1	20	22	50,T	NR-	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLA	3	30	32	52,T	NR-	3.85	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLA	3	30	32	52,T	NR-	1.30	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRB	1	20	22	50,T	NL+	4.44	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRB	1	20	22	50,T	NL+	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRB	3	30	32	52,T	NL+	4.44	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRB	3	30	32	52,T	NL+	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLB	1	20	22	50,T	NL-	4.44	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLB	1	20	22	50,T	NL-	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLB	3	30	32	52,T	NL-	4.47	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLB	3	30	32	52,T	NL-	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRA	1	20	22	50,T	NR+	4.44	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRA	1	20	22	50,T	NR+	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRA	3	30	32	52,T	NR+	4.44	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WRA	3	30	32	52,T	NR+	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLA	1	20	22	50,T	NR-	4.44	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLA	1	20	22	50,T	NR-	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLA	3	30	32	52,T	NR-	4.47	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 3	Wind + ice	WLA	3	30	32	52,T	NR-	1.56	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRB	1	20	22	50,T	NL+	3.63	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRB	1	20	22	50,T	NL+	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRB	3	30	32	52,T	NL+	3.63	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRB	3	30	32	52,T	NL+	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLB	1	20	22	50,T	NL-	3.63	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLB	1	20	22	50,T	NL-	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLB	3	30	32	52,T	NL-	3.64	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLB	3	30	32	52,T	NL-	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRA	1	20	22	50,T	NR+	3.63	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRA	1	20	22	50,T	NR+	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRA	3	30	32	52,T	NR+	3.63	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WRA	3	30	32	52,T	NR+	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLA	1	20	22	50,T	NR-	3.63	WT1	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLA	1	20	22	50,T	NR-	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLA	3	30	32	52,T	NR-	3.64	WT4	Steel	Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 4	Con & Main	WLA	3	30	32	52,T	NR-	1.20	C1F1	Strain	
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRB	5	23	25	51,T	NL+	3.89	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRB	5	23	25	51,T	NL+	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRB	7	33	35	53,T	NL+	3.89	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRB	7	33	35	53,T	NL+	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLB	5	23	25	51,T	NL-	3.91	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLB	5	23	25	51,T	NL-	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLB	7	33	35	53,T	NL-	3.91	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLB	7	33	35	53,T	NL-	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRA	5	23	25	51,T	NR+	3.89	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRA	5	23	25	51,T	NR+	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRA	7	33	35	53,T	NR+	3.89	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WRA	7	33	35	53,T	NR+	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	5	23	25	51,T	NR-	3.91	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	5	23	25	51,T	NR-	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	3.91	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	1.47	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	3.51	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	1.29	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	3.51	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	1.29	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	3.52	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	1.29	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	3.52	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	1.29	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	3.51	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	1.29	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	3.51	WT1	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	1.29	C1F1	Strain
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLA	5	23	25	51,T	NR-	3.52	WT4	Steel Pole
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLA	5	23	25	51,T	NR-	1.29	C1F1	Strain

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold 0.9 WLA 7 33 35 53,T NR-	3.52	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold 0.9 WLA 7 33 35 53,T NR-	1.29	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRB 5 23 25 51,T NL+	4.90	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRB 5 23 25 51,T NL+	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRB 7 33 35 53,T NL+	4.90	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRB 7 33 35 53,T NL+	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLB 5 23 25 51,T NL-	4.93	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLB 5 23 25 51,T NL-	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLB 7 33 35 53,T NL-	4.93	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLB 7 33 35 53,T NL-	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRA 5 23 25 51,T NR+	4.90	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRA 5 23 25 51,T NR+	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRA 7 33 35 53,T NR+	4.90	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WRA 7 33 35 53,T NR+	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLA 5 23 25 51,T NR-	4.93	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLA 5 23 25 51,T NR-	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLA 7 33 35 53,T NR-	4.93	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice 0.9 WLA 7 33 35 53,T NR-	1.90	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRB 5 23 25 51,T NL+	3.33	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRB 5 23 25 51,T NL+	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRB 7 33 35 53,T NL+	3.33	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRB 7 33 35 53,T NL+	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLB 5 23 25 51,T NL-	3.35	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLB 5 23 25 51,T NL-	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	3.35	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	3.33	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	3.33	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	3.35	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	3.35	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	1.19	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	0.24	WT6	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	0.24	WT6	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	0.24	WT6	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	0.24	WT6	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	0.14	WT5	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	0.14	WT3	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	0.14	WT5	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	0.14	WT3	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	0.17	WT5	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	0.17	WT5	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	0.17	WT5	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	0.17	WT5	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	0.13	WT3	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	0.13	WT3	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	0.13	WT3	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	0.13	WT3	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	4.18	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	1.44	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	4.20	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	1.44	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	4.18	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	1.44	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	4.20	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	1.44	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	3.84	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	1.30	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	3.85	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	1.30	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	3.84	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	1.30	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	3.85	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	1.30	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	5.51	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	2.03	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	5.54	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	2.03	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	5.51	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	2.03	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	5.54	WT4	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	2.03	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	9.76	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	4.47	C1F1	Strain
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	8.78	WT1	Steel Pole
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	3.88	C1F1	Strain

Summary of Tip Deflections For All Load Cases

Str. No.	Structure Name	Load Case	Joint Label	Long. Defl. (cm)	Tran. Defl. (cm)	Vert. Defl. (cm)	Resultant Defl. (cm)	Long. Rot. (deg)	Tran. Rot. (deg)	Twist (deg)
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT6:t	-0.20	0.00	-0.00	0.20	-0.04	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT5:t	-0.20	0.00	-0.00	0.20	-0.04	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT4:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT3:t	-0.20	0.00	-0.00	0.20	-0.04	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT2:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT1:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT6:t	-0.23	-0.08	-0.00	0.25	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT5:t	-0.26	-0.10	-0.00	0.28	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT4:t	-0.30	-0.12	-0.00	0.33	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT3:t	-0.23	-0.08	-0.00	0.25	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT2:t	-0.26	-0.10	-0.00	0.28	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT1:t	-0.30	-0.12	-0.00	0.33	-0.06	0.03	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT6:t	-0.23	0.09	-0.00	0.25	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT5:t	-0.26	0.10	-0.00	0.28	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT4:t	-0.30	0.12	-0.00	0.33	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT3:t	-0.23	0.09	-0.00	0.25	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT2:t	-0.26	0.10	-0.00	0.28	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT1:t	-0.30	0.12	-0.00	0.33	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	WT6:t	-0.23	-0.08	-0.00	0.25	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	WT5:t	-0.26	-0.10	-0.00	0.28	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	WT4:t	-0.30	-0.12	-0.00	0.33	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	WT3:t	-0.23	-0.08	-0.00	0.25	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	WT2:t	-0.26	-0.10	-0.00	0.28	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	WT1:t	-0.30	-0.12	-0.00	0.33	-0.06	0.03	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	WT6:t	-0.23	0.09	-0.00	0.25	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	WT5:t	-0.26	0.10	-0.00	0.28	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	WT4:t	-0.30	0.12	-0.00	0.33	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	WT3:t	-0.23	0.09	-0.00	0.25	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	WT2:t	-0.26	0.10	-0.00	0.28	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	WT1:t	-0.30	0.12	-0.00	0.33	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	WT6:t	-0.23	-0.08	-0.00	0.25	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	WT5:t	-0.26	-0.10	-0.00	0.28	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	WT4:t	-0.30	-0.12	-0.00	0.33	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	WT3:t	-0.23	-0.08	-0.00	0.25	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	WT2:t	-0.26	-0.10	-0.00	0.28	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	WT1:t	-0.30	-0.12	-0.00	0.33	-0.06	0.03	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT6:t	-0.23	0.09	-0.00	0.25	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT5:t	-0.26	0.10	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT4:t	-0.30	0.12	-0.00	0.33	-0.06	-0.03	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT3:t	-0.23	0.09	-0.00	0.25	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT2:t	-0.26	0.10	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT1:t	-0.30	0.12	-0.00	0.33	-0.06	-0.03	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT3:t	-0.22	-0.06	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT6:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT4:t	-0.23	0.07	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT3:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	WT3:t	-0.22	-0.06	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRA,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	WT6:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	WT4:t	-0.23	0.07	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	WT3:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	WT3:t	-0.22	-0.06	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00

OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT6:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT4:t	-0.23	0.07	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT3:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT6:t	-0.29	-0.07	-0.00	0.30	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT5:t	-0.34	-0.08	-0.00	0.35	-0.07	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT4:t	-0.40	-0.10	-0.00	0.41	-0.08	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT3:t	-0.29	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT2:t	-0.34	-0.09	-0.00	0.35	-0.07	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT1:t	-0.40	-0.10	-0.00	0.41	-0.08	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT6:t	-0.29	0.08	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT5:t	-0.34	0.09	-0.00	0.36	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT4:t	-0.40	0.10	-0.00	0.41	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT3:t	-0.29	0.07	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT2:t	-0.34	0.09	-0.00	0.35	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT1:t	-0.40	0.10	-0.00	0.41	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT6:t	-0.29	-0.07	-0.00	0.30	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT5:t	-0.34	-0.08	-0.00	0.35	-0.07	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT4:t	-0.40	-0.10	-0.00	0.41	-0.08	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT3:t	-0.29	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT2:t	-0.34	-0.09	-0.00	0.35	-0.07	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT1:t	-0.40	-0.10	-0.00	0.41	-0.08	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	WT6:t	-0.29	0.08	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	WT5:t	-0.34	0.09	-0.00	0.36	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	WT4:t	-0.40	0.10	-0.00	0.41	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	WT3:t	-0.29	0.07	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	WT2:t	-0.34	0.09	-0.00	0.35	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	WT1:t	-0.40	0.10	-0.00	0.41	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	WT6:t	-0.29	-0.07	-0.00	0.30	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	WT5:t	-0.34	-0.08	-0.00	0.35	-0.07	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	WT4:t	-0.40	-0.10	-0.00	0.41	-0.08	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	WT3:t	-0.29	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	WT2:t	-0.34	-0.09	-0.00	0.35	-0.07	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	WT1:t	-0.40	-0.10	-0.00	0.41	-0.08	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	WT6:t	-0.29	0.08	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	WT5:t	-0.34	0.09	-0.00	0.36	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	WT4:t	-0.40	0.10	-0.00	0.41	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	WT3:t	-0.29	0.07	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	WT2:t	-0.34	0.09	-0.00	0.35	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	WT1:t	-0.40	0.10	-0.00	0.41	-0.08	-0.02	-0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	WT6:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	WT5:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	WT4:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	WT1:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	WT6:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	WT5:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	WT4:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	WT1:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	WT6:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	WT5:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	WT4:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	WT1:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	WT6:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	WT5:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	WT4:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	WT1:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	WT6:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	WT5:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	WT4:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	WT1:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	WT6:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	WT5:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	WT4:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	WT1:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	WT6:t	-0.21	0.00	-0.00	0.21	-0.05	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	WT5:t	-0.21	0.00	-0.00	0.21	-0.05	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	WT4:t	-0.22	0.00	-0.00	0.22	-0.05	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	WT3:t	-0.21	0.00	-0.00	0.21	-0.05	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	WT2:t	-0.21	0.00	-0.00	0.21	-0.05	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	WT1:t	-0.22	0.00	-0.00	0.22	-0.05	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	GW,T	Global	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	WT6:t	-0.22	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	WT5:t	-0.25	-0.10	-0.00	0.27	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	WT4:t	-0.29	-0.12	0.00	0.31	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	WT3:t	-0.22	-0.09	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	WT2:t	-0.25	-0.10	-0.00	0.27	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	WT1:t	-0.29	-0.12	0.00	0.31	-0.06	0.03	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	WT6:t	-0.22	0.09	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	WT5:t	-0.25	0.10	-0.00	0.27	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	WT4:t	-0.29	0.12	0.00	0.31	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	WT3:t	-0.22	0.09	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	WT2:t	-0.25	0.10	-0.00	0.27	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	WT1:t	-0.29	0.12	0.00	0.31	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	WT6:t	-0.22	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	WT5:t	-0.25	-0.10	-0.00	0.27	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	WT4:t	-0.29	-0.12	0.00	0.31	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	WT3:t	-0.22	-0.09	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	WT2:t	-0.25	-0.10	-0.00	0.27	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	WT1:t	-0.29	-0.12	0.00	0.31	-0.06	0.03	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WRA,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	WT6:t	-0.22	0.09	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	WT5:t	-0.25	0.10	-0.00	0.27	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	WT4:t	-0.29	0.12	0.00	0.31	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	WT3:t	-0.22	0.09	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	WT2:t	-0.25	0.10	-0.00	0.27	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	WT1:t	-0.29	0.12	0.00	0.31	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	WT6:t	-0.22	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	WT5:t	-0.25	-0.10	-0.00	0.27	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	WT4:t	-0.29	-0.12	0.00	0.31	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	WT3:t	-0.22	-0.09	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	WT2:t	-0.25	-0.10	-0.00	0.27	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	WT1:t	-0.29	-0.12	0.00	0.31	-0.06	0.03	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	WT6:t	-0.22	0.09	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	WT5:t	-0.25	0.10	-0.00	0.27	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	WT4:t	-0.29	0.12	0.00	0.31	-0.06	-0.03	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	WT3:t	-0.22	0.09	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	WT2:t	-0.25	0.10	-0.00	0.27	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	WT1:t	-0.29	0.12	0.00	0.31	-0.06	-0.03	-0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	0.9	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	WT5:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	WT3:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	WT2:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	WT6:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	WT5:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	WT4:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	WT3:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	WT2:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	WT5:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	WT3:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	WT2:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WRA,T	NR+	osa1:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	WT6:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	WT5:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	WT4:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	WT3:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	WT2:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	WT5:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	WT3:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	WT2:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	WT6:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	WT5:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	WT4:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	WT3:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	WT2:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	0.9	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	WT6:t	-0.28	-0.07	-0.00	0.29	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	WT5:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	WT4:t	-0.38	-0.10	0.00	0.39	-0.08	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	WT3:t	-0.28	-0.07	-0.00	0.29	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	WT2:t	-0.32	-0.09	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	WT1:t	-0.38	-0.10	0.00	0.39	-0.08	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	WT6:t	-0.28	0.08	-0.00	0.29	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	WT5:t	-0.33	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	WT4:t	-0.38	0.10	0.00	0.39	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	WT3:t	-0.28	0.07	-0.00	0.29	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	WT2:t	-0.32	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	WT1:t	-0.38	0.10	0.00	0.39	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	WT6:t	-0.28	-0.07	-0.00	0.29	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	WT5:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	WT4:t	-0.38	-0.10	0.00	0.39	-0.08	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	WT3:t	-0.28	-0.07	-0.00	0.29	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	WT2:t	-0.32	-0.09	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	WT1:t	-0.38	-0.10	0.00	0.39	-0.08	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WRA,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	WT6:t	-0.28	0.08	-0.00	0.29	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	WT5:t	-0.33	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	WT4:t	-0.38	0.10	0.00	0.39	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	WT3:t	-0.28	0.07	-0.00	0.29	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	WT2:t	-0.32	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	WT1:t	-0.38	0.10	0.00	0.39	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	WT6:t	-0.28	-0.07	-0.00	0.29	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	WT5:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	WT4:t	-0.38	-0.10	0.00	0.39	-0.08	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	WT3:t	-0.28	-0.07	-0.00	0.29	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	WT2:t	-0.32	-0.09	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	WT1:t	-0.38	-0.10	0.00	0.39	-0.08	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	WT6:t	-0.28	0.08	-0.00	0.29	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	WT5:t	-0.33	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	WT4:t	-0.38	0.10	0.00	0.39	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	WT3:t	-0.28	0.07	-0.00	0.29	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	WT2:t	-0.32	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	WT1:t	-0.38	0.10	0.00	0.39	-0.08	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 3	Wind + ice	0.9	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WRB,T	NL+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WRB,T	NL+	WT5:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WRB,T	NL+	WT4:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WRB,T	NL+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WRB,T	NL+	WT2:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WRB,T	NL+	WT1:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRB,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRB,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRB,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRB,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRB,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRB,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	WT6:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	WT5:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	WT4:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	WT2:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	WT1:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLB,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	WT5:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	WT4:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	WT2:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	WT1:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WRA,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	WT6:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	WT5:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	WT4:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	WT2:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	WT1:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WLA,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	WT5:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	WT4:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	WT2:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	WT1:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WL_0,T	BI+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	WT6:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	WT5:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	WT4:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	WT2:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	WT1:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	4	Con & Main	0.9	WR_0,T	BI-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	WT6:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	WT5:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	WT4:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	WT3:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	WT2:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	WT1:t	-0.19	0.00	-0.00	0.19	-0.04	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	6	Permanent	0.9	GW,T	Global	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00

OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	WT6:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	WT5:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	WT4:t	0.00	-0.01	-0.00	0.01	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	WT3:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	WT2:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	WT1:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	WT6:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	WT5:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	WT4:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	WT3:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	WT2:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	WT1:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	WT6:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	WT5:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	WT4:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	WT3:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	WT2:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	WT1:t	-0.24	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	WT6:t	-0.22	0.07	-0.00	0.23	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	WT5:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	WT4:t	-0.25	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	WT3:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	WT2:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	WT1:t	-0.24	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	WT6:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	WT5:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	WT4:t	0.00	-0.01	-0.00	0.01	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	WT3:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	WT2:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	WT1:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	WT6:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	WT5:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	WT4:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	WT3:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	WT2:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	WT1:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	WT6:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	WT5:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	WT4:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	WT3:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	WT2:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	WT1:t	-0.24	0.08	-0.00	0.26	-0.05	-0.02	-0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1	20	22	50,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1	20	22	50,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1	20	22	50,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1	20	22	50,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1	20	22	50,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1	20	22	50,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	WT6:t	-0.22	0.07	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	WT5:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	WT4:t	-0.25	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	WT3:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	WT2:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	WT1:t	-0.24	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3	30	32	52,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	WT3:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1	20	22	50,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	WT3:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3	30	32	52,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	WT3:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 1	20	22	50,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	WT6:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	WT4:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	WT3:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WLB 3	30	32	52,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	WT3:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	WRA 1	20	22	50,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT3:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT3:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT6:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT4:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT3:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT3:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT2:t	-0.25	-0.06	-0.00	0.26	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT1:t	-0.27	-0.07	-0.00	0.28	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT6:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT5:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT4:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT3:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT2:t	-0.25	-0.06	-0.00	0.26	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT1:t	-0.27	-0.07	-0.00	0.28	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT3:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT2:t	-0.25	0.07	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT1:t	-0.27	0.07	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT6:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT5:t	-0.25	0.07	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT4:t	-0.27	0.07	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT3:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT2:t	-0.25	0.07	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT1:t	-0.27	0.07	-0.00	0.28	-0.06	-0.02	-0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT3:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT2:t	-0.25	-0.06	-0.00	0.26	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT1:t	-0.27	-0.07	-0.00	0.28	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT6:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT5:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT4:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT3:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT2:t	-0.25	-0.06	-0.00	0.26	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT1:t	-0.27	-0.07	-0.00	0.28	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT3:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT2:t	-0.25	0.07	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT1:t	-0.27	0.07	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT6:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT5:t	-0.25	0.07	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT4:t	-0.27	0.07	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT3:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT2:t	-0.25	0.07	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT1:t	-0.27	0.07	-0.00	0.28	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT1:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT6:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT5:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT4:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT1:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00

OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	WT1:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	WT6:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	WT5:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	WT4:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	WT1:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	WT1:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	WT6:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	WT5:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	WT4:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	WT3:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	WT2:t	-0.21	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	WT1:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	WT1:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	WT6:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	WT5:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	WT4:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	WT3:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	WT2:t	-0.21	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	WT1:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	WT6:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	WT5:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	WT4:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	WT3:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	WT2:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	WT1:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 5 23	25 51,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 5 23	25 51,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 5 23	25 51,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 5 23	25 51,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 5 23	25 51,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 5 23	25 51,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	WT6:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	WT5:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	WT4:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	WT3:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	WT2:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	WT1:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB 7 33	35 53,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	WT6:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	WT5:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	WT4:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	WT3:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	WT2:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	WT1:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 5 23	25 51,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	WT6:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	WT5:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	WT4:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	WT3:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	WT2:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	WT1:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB 7 33	35 53,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	WT6:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	WT5:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	WT4:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	WT3:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	WT2:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	WT1:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 5 23	25 51,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	WT6:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	WT5:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	WT4:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	WT3:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	WT2:t	-0.21	-0.07	-0.00	0.23	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	WT1:t	-0.23	-0.08	-0.00	0.24	-0.05	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA 7 33	35 53,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	WT6:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	WT5:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	WT4:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	WT3:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	WT2:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	WT1:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA 5 23	25 51,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	WT6:t	-0.21	0.07	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	WT5:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	WT4:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	WT3:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	WT2:t	-0.21	0.07	-0.00	0.23	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	WT1:t	-0.23	0.08	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1a	EWL	0.9	WLA	7	33	35	53,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	WT5:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	WT2:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	5	23	25	51,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	WT5:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	WT2:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRB	7	33	35	53,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	WT6:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	WT5:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	WT4:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	WT2:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	5	23	25	51,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	WT6:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	WT5:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	WT4:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	WT2:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WLB	7	33	35	53,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	WT5:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	WT2:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	5	23	25	51,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	WT5:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	WT4:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	WT2:t	-0.21	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3	Br.	Lc 1b	Cold	0.9	WRA	7	33	35	53,T	NR+	WT1:t	-0.21	-0.06	-0.00	0.22	-0.04	0.01	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA 7 33	35 53,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA 7 33	35 53,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA 7 33	35 53,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA 7 33	35 53,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA 7 33	35 53,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA 7 33	35 53,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	WT6:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	WT5:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	WT4:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	WT2:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 5 23	25 51,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	WT6:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	WT5:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	WT4:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	WT2:t	-0.21	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	WT1:t	-0.21	0.06	-0.00	0.22	-0.04	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA 7 33	35 53,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	WT6:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	WT5:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	WT4:t	-0.30	-0.07	-0.00	0.31	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	WT3:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	WT2:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	WT1:t	-0.30	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 5 23	25 51,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	WT6:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	WT5:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	WT4:t	-0.30	-0.07	-0.00	0.31	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	WT3:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	WT2:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	WT1:t	-0.30	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB 7 33	35 53,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	WT6:t	-0.25	0.06	-0.00	0.26	-0.05	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	WT5:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	WT4:t	-0.30	0.08	-0.00	0.31	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	WT3:t	-0.25	0.06	-0.00	0.25	-0.05	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	WT2:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	WT1:t	-0.30	0.07	-0.00	0.31	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 5 23	25 51,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	WT6:t	-0.25	0.06	-0.00	0.26	-0.05	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	WT5:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	WT4:t	-0.30	0.08	-0.00	0.31	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	WT3:t	-0.25	0.06	-0.00	0.25	-0.05	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	WT2:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	WT1:t	-0.30	0.07	-0.00	0.31	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB 7 33	35 53,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT6:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT5:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT4:t	-0.30	-0.07	-0.00	0.31	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT3:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT2:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT1:t	-0.30	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT6:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT5:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT4:t	-0.30	-0.07	-0.00	0.31	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT3:t	-0.25	-0.06	-0.00	0.25	-0.05	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT2:t	-0.27	-0.07	-0.00	0.28	-0.06	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT1:t	-0.30	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT6:t	-0.25	0.06	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT5:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT4:t	-0.30	0.08	-0.00	0.31	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT3:t	-0.25	0.06	-0.00	0.25	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT2:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT1:t	-0.30	0.07	-0.00	0.31	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT6:t	-0.25	0.06	-0.00	0.26	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT5:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT4:t	-0.30	0.08	-0.00	0.31	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT3:t	-0.25	0.06	-0.00	0.25	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT2:t	-0.27	0.07	-0.00	0.28	-0.06	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT1:t	-0.30	0.07	-0.00	0.31	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	WT5:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	WT4:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	WT2:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	WT1:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	WT6:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	WT5:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	WT4:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	WT3:t	-0.20	-0.05	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	WT2:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	WT1:t	-0.20	-0.06	-0.00	0.21	-0.04	0.01	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	WT6:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	WT5:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	WT4:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	WT3:t	-0.20	0.05	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	WT2:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	WT1:t	-0.20	0.06	-0.00	0.21	-0.04	-0.01	-0.00

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OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 5 23  25 51,T NL- osa6:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 5 23  25 51,T NL- osa5:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 5 23  25 51,T NL- osa4:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 5 23  25 51,T NL- osa3:t  0.00  0.00 -0.00      0.00  0.00 -0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 5 23  25 51,T NL- osa2:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 5 23  25 51,T NL- osa1:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL-  WT6:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL-  WT5:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL-  WT4:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL-  WT3:t -0.20  0.05 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL-  WT2:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL-  WT1:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL- osa6:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL- osa5:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL- osa4:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL- osa3:t  0.00  0.00 -0.00      0.00  0.00 -0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL- osa2:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLB 7 33  35 53,T NL- osa1:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+  WT6:t -0.20 -0.05 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+  WT5:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+  WT4:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+  WT3:t -0.20 -0.05 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+  WT2:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+  WT1:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+ osa6:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+ osa5:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+ osa4:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+ osa3:t  0.00 -0.00 -0.00      0.00  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+ osa2:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 5 23  25 51,T NR+ osa1:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+  WT6:t -0.20 -0.05 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+  WT5:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+  WT4:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+  WT3:t -0.20 -0.05 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+  WT2:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+  WT1:t -0.20 -0.06 -0.00      0.21 -0.04  0.01  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+ osa6:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+ osa5:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+ osa4:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+ osa3:t  0.00 -0.00 -0.00      0.00  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+ osa2:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WRA 7 33  35 53,T NR+ osa1:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR-  WT6:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR-  WT5:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR-  WT4:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR-  WT3:t -0.20  0.05 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR-  WT2:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR-  WT1:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR- osa6:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR- osa5:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR- osa4:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR- osa3:t  0.00  0.00 -0.00      0.00  0.00 -0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR- osa2:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 5 23  25 51,T NR- osa1:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR-  WT6:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR-  WT5:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR-  WT4:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR-  WT3:t -0.20  0.05 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR-  WT2:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR-  WT1:t -0.20  0.06 -0.00      0.21 -0.04 -0.01 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR- osa6:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR- osa5:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR- osa4:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR- osa3:t  0.00  0.00 -0.00      0.00  0.00 -0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR- osa2:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol NL3 Br.  Lc 4 Con & Main  0.9 WLA 7 33  35 53,T NR- osa1:t  0.00  0.00 -0.00      0.00  0.00 -0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+  WT6:t  0.00 -0.01 -0.00      0.01  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+  WT5:t  0.00 -0.01 -0.00      0.01  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+  WT4:t  0.00 -0.01 -0.00      0.01  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+  WT3:t  0.00 -0.01 -0.00      0.01  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+  WT2:t  0.00 -0.01 -0.00      0.01  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+  WT1:t  0.00 -0.01 -0.00      0.01  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+ osa6:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+ osa5:t  0.00 -0.00 -0.00      0.00  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+ osa4:t  0.00 -0.00 -0.00      0.00  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+ osa3:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+ osa2:t  0.00 -0.00 -0.00      0.00  0.00  0.00  0.00
OSP673 (110kV) osp 673 nw380.pol           NL3 Br.  Br. Lc 1a EWL WRB Ba,T NL+ osa1:t  0.00 -0.00 -0.00      0.00  0.00  0.00 -0.00
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OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	WT6:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	WT5:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	WT4:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	WT3:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	WT2:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	WT1:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	WT6:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	WT5:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	WT4:t	0.00	-0.01	-0.00	0.01	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	WT3:t	0.00	-0.01	-0.00	0.01	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	WT2:t	0.00	-0.01	-0.00	0.01	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	WT1:t	0.00	-0.01	-0.00	0.01	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	WT6:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	WT5:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	WT4:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	WT3:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	WT2:t	0.00	0.01	-0.00	0.01	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	WT1:t	0.00	0.01	-0.00	0.01	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	WT3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	WT2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	WT1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1b Cold WLA	Ba,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1b Cold WLA	Ba,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1b Cold WLA	Ba,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1b Cold WLA	Ba,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1b Cold WLA	Ba,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 1b Cold WLA	Ba,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	WT3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	WT2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	WT1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRB	Ba,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	WT3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	WT2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	WT1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLB	Ba,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	WT3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	WT2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	WT1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WRA	Ba,T	NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	WT3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	WT2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	WT1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 3 Wind + ice WLA	Ba,T	NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	WT3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	WT2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	WT1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WRB	Ba,T	NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	WT3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	WT2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	WT1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br. Lc 4 Con & Main WLB	Ba,T	NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT6:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT5:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT4:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT3:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT2:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT1:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT6:t	-0.22	0.07	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT5:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT4:t	-0.25	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT3:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT2:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT1:t	-0.24	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT6:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT5:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT4:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT3:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT2:t	-0.23	-0.07	-0.00	0.24	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT1:t	-0.24	-0.08	-0.00	0.26	-0.05	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT6:t	-0.22	0.07	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT5:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT4:t	-0.25	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT3:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT2:t	-0.23	0.07	-0.00	0.24	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT1:t	-0.24	0.08	-0.00	0.26	-0.05	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT3:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT6:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT4:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT3:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT6:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT5:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT4:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT3:t	-0.22	-0.05	-0.00	0.22	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT2:t	-0.22	-0.06	-0.00	0.23	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT1:t	-0.23	-0.06	-0.00	0.24	-0.05	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT6:t	-0.22	0.06	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT5:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT4:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT3:t	-0.22	0.05	-0.00	0.22	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT2:t	-0.22	0.06	-0.00	0.23	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT1:t	-0.23	0.06	-0.00	0.24	-0.05	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	WT6:t	-0.26	-0.06	-0.00	0.27	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	WT5:t	-0.30	-0.07	-0.00	0.30	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	WT4:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	WT3:t	-0.26	-0.06	-0.00	0.27	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	WT2:t	-0.30	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	WT1:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	WT6:t	-0.27	0.07	-0.00	0.27	-0.06	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	WT5:t	-0.30	0.07	-0.00	0.31	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	WT4:t	-0.33	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	WT3:t	-0.26	0.06	-0.00	0.27	-0.06	-0.01	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	WT2:t	-0.30	0.07	-0.00	0.30	-0.06	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	WT1:t	-0.33	0.08	-0.00	0.34	-0.07	-0.02	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	WT6:t	-0.26	-0.06	-0.00	0.27	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	WT5:t	-0.30	-0.07	-0.00	0.30	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	WT4:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	WT3:t	-0.26	-0.06	-0.00	0.27	-0.06	0.01	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	WT2:t	-0.30	-0.07	-0.00	0.30	-0.06	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	WT1:t	-0.33	-0.08	-0.00	0.34	-0.07	0.02	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	osa6:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	osa5:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	osa4:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	osa3:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	osa2:t	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	osa1:t	0.00	-0.00	-0.00	0.00	0.00	0.00	-0.00

OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	WT6:t	-0.27	0.07	-0.00	0.27	-0.06	-0.01	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	WT5:t	-0.30	0.07	-0.00	0.31	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	WT4:t	-0.33	0.09	-0.00	0.34	-0.07	-0.02	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	WT3:t	-0.26	0.06	-0.00	0.27	-0.06	-0.01	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	WT2:t	-0.30	0.07	-0.00	0.30	-0.06	-0.02	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	WT1:t	-0.33	0.08	-0.00	0.34	-0.07	-0.02	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	osa6:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	osa5:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	osa4:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	osa3:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	osa2:t	0.00	0.00	-0.00	0.00	0.00	-0.00	-0.00
OSP673 (110kV)	osp 673	nw380.pol	NL3 Br. Lc 3	Wind + ice	WLA Ah,T NR-	osa1:t	0.00	0.00	-0.00	0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	WT6:t	-0.33	-0.21	-0.00	0.39	-0.07	0.04	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	WT5:t	-0.43	-0.24	0.00	0.49	-0.09	0.05	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	WT4:t	-0.53	-0.27	0.00	0.60	-0.11	0.06	0.01
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	WT3:t	-0.33	-0.21	-0.00	0.39	-0.07	0.04	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	WT2:t	-0.43	-0.24	0.00	0.49	-0.09	0.05	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	WT1:t	-0.54	-0.27	0.00	0.60	-0.11	0.06	0.01
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	osa6:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	osa5:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	osa4:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	osa3:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	osa2:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	-20,T NA+	osa1:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	WT6:t	-0.32	-0.21	-0.00	0.38	-0.07	0.04	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	WT5:t	-0.39	-0.24	0.00	0.46	-0.08	0.05	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	WT4:t	-0.47	-0.27	0.00	0.54	-0.10	0.06	0.01
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	WT3:t	-0.32	-0.21	-0.00	0.38	-0.07	0.04	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	WT2:t	-0.39	-0.24	0.00	0.46	-0.08	0.05	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	WT1:t	-0.47	-0.27	0.00	0.54	-0.10	0.06	0.01
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	osa6:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	osa5:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	osa4:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	osa3:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	osa2:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673	nw380.pol		Kortsluiting	70,T NA+	osa1:t	0.00	0.00	-0.00	0.00	0.00	0.00	0.00

Summary of Joint Support Reactions For All Load Cases

Str. No.	Structure Name	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)	Found. Usage %
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT6:g	1.77	-0.02	-2.64	1.77	0.07	7.06	7.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT5:g	1.77	-0.02	-2.36	1.77	0.06	7.01	7.01	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT4:g	1.77	-0.02	-2.18	1.77	0.05	6.99	6.99	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT3:g	1.77	-0.01	-2.58	1.77	0.02	7.05	7.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT2:g	1.77	-0.01	-2.29	1.77	0.02	7.01	7.01	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	WT1:g	1.77	-0.01	-2.12	1.77	0.01	6.97	6.97	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa6:g	-0.00	-0.00	-1.75	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa5:g	-0.00	-0.00	-1.75	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa4:g	-0.00	-0.00	-1.75	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa3:g	-0.00	-0.00	-1.75	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa2:g	-0.00	-0.00	-1.75	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	osa1:g	-0.00	-0.00	-1.75	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT6:g	2.09	0.95	-3.21	2.29	-3.14	8.34	8.91	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT5:g	2.39	1.09	-2.50	2.63	-3.72	9.44	10.14	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT4:g	2.81	1.25	-1.66	3.07	-4.36	10.99	11.82	-0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT3:g	2.09	0.96	-3.13	2.29	-3.18	8.32	8.91	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT2:g	2.40	1.10	-2.40	2.64	-3.76	9.46	10.18	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	WT1:g	2.82	1.26	-1.55	3.09	-4.40	11.01	11.86	-0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa6:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa5:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa4:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa3:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa2:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	osa1:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT6:g	2.09	-0.98	-3.20	2.31	3.29	8.36	8.99	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT5:g	2.40	-1.13	-2.49	2.65	3.87	9.47	10.23	0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT4:g	2.82	-1.29	-1.65	3.10	4.51	11.02	11.91	0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT3:g	2.09	-0.96	-3.13	2.30	3.20	8.33	8.92	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT2:g	2.40	-1.11	-2.40	2.64	3.78	9.46	10.19	0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	WT1:g	2.82	-1.27	-1.55	3.09	4.42	11.01	11.87	0.14	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLB,T	NL-	osa6:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLB,T	NL-	osa5:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLB,T	NL-	osa4:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLB,T	NL-	osa3:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLB,T	NL-	osa2:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLB,T	NL-	osa1:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	WT6:g	2.09	0.95	-3.21	2.29	-3.14	8.34	8.91	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	WT5:g	2.39	1.09	-2.50	2.63	-3.72	9.44	10.14	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	WT4:g	2.81	1.25	-1.66	3.07	-4.36	10.99	11.82	-0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	WT3:g	2.09	0.96	-3.13	2.29	-3.18	8.32	8.91	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	WT2:g	2.40	1.10	-2.40	2.64	-3.76	9.46	10.18	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	WT1:g	2.82	1.26	-1.55	3.09	-4.40	11.01	11.86	-0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	osa6:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	osa5:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	osa4:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	osa3:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	osa2:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WRA,T	NR+	osa1:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	WT6:g	2.09	-0.98	-3.20	2.31	3.29	8.36	8.99	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	WT5:g	2.40	-1.13	-2.49	2.65	3.87	9.47	10.23	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	WT4:g	2.82	-1.29	-1.65	3.10	4.51	11.02	11.91	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	WT3:g	2.09	-0.96	-3.13	2.30	3.20	8.33	8.92	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	WT2:g	2.40	-1.11	-2.40	2.64	3.78	9.46	10.19	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	WT1:g	2.82	-1.27	-1.55	3.09	4.42	11.01	11.87	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	osa6:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	osa5:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	osa4:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	osa3:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	osa2:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WLA,T	NR-	osa1:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	WT6:g	2.09	0.95	-3.21	2.29	-3.14	8.34	8.91	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	WT5:g	2.39	1.09	-2.50	2.63	-3.72	9.44	10.14	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	WT4:g	2.81	1.25	-1.66	3.07	-4.36	10.99	11.82	-0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	WT3:g	2.09	0.96	-3.13	2.29	-3.18	8.32	8.91	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	WT2:g	2.40	1.10	-2.40	2.64	-3.76	9.46	10.18	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	WT1:g	2.82	1.26	-1.55	3.09	-4.40	11.01	11.86	-0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa6:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa5:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa4:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa3:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa2:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WL_0,T	BI+	osa1:g	-0.00	0.20	-2.10	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT6:g	2.09	-0.98	-3.20	2.31	3.29	8.36	8.99	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT5:g	2.40	-1.13	-2.49	2.65	3.87	9.47	10.23	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT4:g	2.82	-1.29	-1.65	3.10	4.51	11.02	11.91	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT3:g	2.09	-0.96	-3.13	2.30	3.20	8.33	8.92	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT2:g	2.40	-1.11	-2.40	2.64	3.78	9.46	10.19	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	WT1:g	2.82	-1.27	-1.55	3.09	4.42	11.01	11.87	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa6:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa5:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa4:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa3:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa2:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1a	EWL	WR_0,T	BI-	osa1:g	-0.00	-0.20	-2.10	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT6:g	1.94	0.53	-3.36	2.01	-1.98	7.77	8.02	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT5:g	2.02	0.57	-2.96	2.10	-2.12	8.03	8.30	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT4:g	2.11	0.60	-2.64	2.20	-2.26	8.35	8.65	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT3:g	1.94	0.55	-3.29	2.02	-2.04	7.77	8.03	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT2:g	2.03	0.58	-2.88	2.11	-2.17	8.05	8.34	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	WT1:g	2.12	0.61	-2.55	2.21	-2.31	8.37	8.68	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa6:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa5:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa4:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa3:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa2:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WRB,T	NL+	osa1:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT6:g	1.95	-0.57	-3.36	2.03	2.13	7.79	8.07	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT5:g	2.03	-0.60	-2.96	2.11	2.24	8.05	8.36	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT4:g	2.12	-0.63	-2.63	2.21	2.37	8.38	8.71	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT3:g	1.94	-0.55	-3.29	2.02	2.06	7.77	8.04	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT2:g	2.03	-0.58	-2.87	2.11	2.19	8.06	8.35	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	WT1:g	2.12	-0.62	-2.55	2.21	2.32	8.37	8.69	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa6:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa5:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa4:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa3:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa2:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc	1b	Cold	WLB,T	NL-	osa1:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	WT6:g	1.94	0.53	-3.36	2.01	-1.98	7.77	8.02	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	WT5:g	2.02	0.57	-2.96	2.10	-2.12	8.03	8.30	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	WT4:g	2.11	0.60	-2.64	2.20	-2.26	8.35	8.65	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	WT3:g	1.94	0.55	-3.29	2.02	-2.04	7.77	8.03	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	WT2:g	2.03	0.58	-2.88	2.11	-2.17	8.05	8.34	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	WT1:g	2.12	0.61	-2.55	2.21	-2.31	8.37	8.68	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	osa6:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	osa5:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	osa4:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	osa3:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	osa2:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T	NR+	osa1:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	WT6:g	1.95	-0.57	-3.36	2.03	2.13	7.79	8.07	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	WT5:g	2.03	-0.60	-2.96	2.11	2.24	8.05	8.36	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	WT4:g	2.12	-0.63	-2.63	2.21	2.37	8.38	8.71	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	WT3:g	1.94	-0.55	-3.29	2.02	2.06	7.77	8.04	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	WT2:g	2.03	-0.58	-2.87	2.11	2.19	8.06	8.35	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	WT1:g	2.12	-0.62	-2.55	2.21	2.32	8.37	8.69	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	osa6:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	osa5:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	osa4:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	osa3:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	osa2:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T	NR-	osa1:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	WT6:g	1.94	0.53	-3.36	2.01	-1.98	7.77	8.02	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	WT5:g	2.02	0.57	-2.96	2.10	-2.12	8.03	8.30	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	WT4:g	2.11	0.60	-2.64	2.20	-2.26	8.35	8.65	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	WT3:g	1.94	0.55	-3.29	2.02	-2.04	7.77	8.03	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	WT2:g	2.03	0.58	-2.88	2.11	-2.17	8.05	8.34	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	WT1:g	2.12	0.61	-2.55	2.21	-2.31	8.37	8.68	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	osa6:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	osa5:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	osa4:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	osa3:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	osa2:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T	BI+	osa1:g	-0.00	0.05	-2.10	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT6:g	1.95	-0.57	-3.36	2.03	2.13	7.79	8.07	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT5:g	2.03	-0.60	-2.96	2.11	2.24	8.05	8.36	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT4:g	2.12	-0.63	-2.63	2.21	2.37	8.38	8.71	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT3:g	1.94	-0.55	-3.29	2.02	2.06	7.77	8.04	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT2:g	2.03	-0.58	-2.87	2.11	2.19	8.06	8.35	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	WT1:g	2.12	-0.62	-2.55	2.21	2.32	8.37	8.69	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa6:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa5:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa4:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa3:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa2:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T	BI-	osa1:g	-0.00	-0.05	-2.10	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT6:g	2.65	0.69	-2.98	2.74	-2.54	10.54	10.85	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT5:g	3.13	0.82	-2.08	3.24	-3.03	12.35	12.72	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT4:g	3.69	0.95	-1.10	3.81	-3.57	14.43	14.86	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT3:g	2.63	0.71	-2.89	2.73	-2.61	10.46	10.79	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT2:g	3.13	0.83	-1.97	3.24	-3.10	12.32	12.70	-0.11	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	WT1:g	3.69	0.97	-0.98	3.81	-3.63	14.39	14.84	-0.13	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa6:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa5:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa4:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa3:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa2:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T	NL+	osa1:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT6:g	2.66	-0.74	-2.97	2.76	2.74	10.57	10.92	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT5:g	3.15	-0.86	-2.07	3.26	3.22	12.39	12.81	0.11	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT4:g	3.71	-1.00	-1.08	3.84	3.76	14.48	14.96	0.13	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT3:g	2.63	-0.72	-2.89	2.73	2.64	10.47	10.79	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT2:g	3.13	-0.84	-1.96	3.24	3.12	12.32	12.71	0.11	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	WT1:g	3.69	-0.97	-0.97	3.82	3.66	14.40	14.86	0.13	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa6:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa5:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa4:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa3:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa2:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T	NL-	osa1:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT6:g	2.65	0.69	-2.98	2.74	-2.54	10.54	10.85	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT5:g	3.13	0.82	-2.08	3.24	-3.03	12.35	12.72	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT4:g	3.69	0.95	-1.10	3.81	-3.57	14.43	14.86	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT3:g	2.63	0.71	-2.89	2.73	-2.61	10.46	10.79	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT2:g	3.13	0.83	-1.97	3.24	-3.10	12.32	12.70	-0.11	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T	NR+	WT1:g	3.69	0.97	-0.98	3.81	-3.63	14.39	14.84	-0.13	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	osa6:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	osa5:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	osa4:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	osa3:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	osa2:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	osa1:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	WT6:g	2.66	-0.74	-2.97	2.76	2.74	10.57	10.92	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	WT5:g	3.15	-0.86	-2.07	3.26	3.22	12.39	12.81	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	WT4:g	3.71	-1.00	-1.08	3.84	3.76	14.48	14.96	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	WT3:g	2.63	-0.72	-2.89	2.73	2.64	10.47	10.79	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	WT2:g	3.13	-0.84	-1.96	3.24	3.12	12.32	12.71	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	WT1:g	3.69	-0.97	-0.97	3.82	3.66	14.40	14.86	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	osa6:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	osa5:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	osa4:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	osa3:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	osa2:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	osa1:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	WT6:g	2.65	0.69	-2.98	2.74	-2.54	10.54	10.85	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	WT5:g	3.13	0.82	-2.08	3.24	-3.03	12.35	12.72	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	WT4:g	3.69	0.95	-1.10	3.81	-3.57	14.43	14.86	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	WT3:g	2.63	0.71	-2.89	2.73	-2.61	10.46	10.79	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	WT2:g	3.13	0.83	-1.97	3.24	-3.10	12.32	12.70	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	WT1:g	3.69	0.97	-0.98	3.81	-3.63	14.39	14.84	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	osa6:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	osa5:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	osa4:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	osa3:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	osa2:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	osa1:g	-0.00	0.07	-2.10	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	WT6:g	2.66	-0.74	-2.97	2.76	2.74	10.57	10.92	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	WT5:g	3.15	-0.86	-2.07	3.26	3.22	12.39	12.81	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	WT4:g	3.71	-1.00	-1.08	3.84	3.76	14.48	14.96	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	WT3:g	2.63	-0.72	-2.89	2.73	2.64	10.47	10.79	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	WT2:g	3.13	-0.84	-1.96	3.24	3.12	12.32	12.71	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	WT1:g	3.69	-0.97	-0.97	3.82	3.66	14.40	14.86	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	osa6:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	osa5:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	osa4:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	osa3:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	osa2:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	osa1:g	-0.00	-0.07	-2.10	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	WT6:g	1.89	0.48	-3.42	1.95	-1.78	7.57	7.77	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	WT5:g	1.94	0.51	-3.07	2.00	-1.90	7.70	7.93	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	WT4:g	1.99	0.54	-2.80	2.06	-2.03	7.89	8.15	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	WT3:g	1.89	0.49	-3.35	1.95	-1.83	7.56	7.78	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	WT2:g	1.94	0.52	-2.99	2.01	-1.95	7.71	7.95	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	WT1:g	1.99	0.55	-2.73	2.07	-2.07	7.88	8.15	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	WT6:g	1.89	-0.51	-3.41	1.96	1.92	7.59	7.82	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	WT5:g	1.94	-0.54	-3.06	2.01	2.02	7.72	7.98	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	WT4:g	2.00	-0.57	-2.80	2.08	2.14	7.91	8.19	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	WT3:g	1.89	-0.50	-3.35	1.95	1.85	7.56	7.78	0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	WT2:g	1.94	-0.52	-2.99	2.01	1.97	7.71	7.96	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	WT1:g	1.99	-0.55	-2.73	2.07	2.09	7.89	8.16	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	WT6:g	1.89	0.48	-3.42	1.95	-1.78	7.57	7.77	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	WT5:g	1.94	0.51	-3.07	2.00	-1.90	7.70	7.93	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	WT4:g	1.99	0.54	-2.80	2.06	-2.03	7.89	8.15	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	WT3:g	1.89	0.49	-3.35	1.95	-1.83	7.56	7.78	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	WT2:g	1.94	0.52	-2.99	2.01	-1.95	7.71	7.95	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	WT1:g	1.99	0.55	-2.73	2.07	-2.07	7.88	8.15	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	WT6:g	1.89	-0.51	-3.41	1.96	1.92	7.59	7.82	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	WT5:g	1.94	-0.54	-3.06	2.01	2.02	7.72	7.98	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	WT4:g	2.00	-0.57	-2.80	2.08	2.14	7.91	8.19	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	WT3:g	1.89	-0.50	-3.35	1.95	1.85	7.56	7.78	0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	WT2:g	1.94	-0.52	-2.99	2.01	1.97	7.71	7.96	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	WT1:g	1.99	-0.55	-2.73	2.07	2.09	7.89	8.16	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	WT6:g	1.89	0.48	-3.42	1.95	-1.78	7.57	7.77	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	WT5:g	1.94	0.51	-3.07	2.00	-1.90	7.70	7.93	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	WT4:g	1.99	0.54	-2.80	2.06	-2.03	7.89	8.15	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	WT3:g	1.89	0.49	-3.35	1.95	-1.83	7.56	7.78	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	WT2:g	1.94	0.52	-2.99	2.01	-1.95	7.71	7.95	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	WT1:g	1.99	0.55	-2.73	2.07	-2.07	7.88	8.15	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	WT6:g	1.89	-0.51	-3.41	1.96	1.92	7.59	7.82	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	WT5:g	1.94	-0.54	-3.06	2.01	2.02	7.72	7.98	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	WT4:g	2.00	-0.57	-2.80	2.08	2.14	7.91	8.19	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	WT3:g	1.89	-0.50	-3.35	1.95	1.85	7.56	7.78	0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	WT2:g	1.94	-0.52	-2.99	2.01	1.97	7.71	7.96	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	WT1:g	1.99	-0.55	-2.73	2.07	2.09	7.89	8.16	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	WT6:g	1.87	-0.02	-4.10	1.87	0.08	7.55	7.55	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	WT5:g	1.92	-0.02	-3.77	1.92	0.07	7.68	7.68	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	WT4:g	1.97	-0.02	-3.53	1.97	0.06	7.84	7.84	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	WT3:g	1.87	-0.01	-4.04	1.87	0.02	7.52	7.52	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	WT2:g	1.92	-0.01	-3.70	1.92	0.02	7.66	7.66	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	WT1:g	1.96	-0.01	-3.47	1.96	0.02	7.81	7.81	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	osa6:g	-0.00	-0.00	-2.37	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	osa5:g	-0.00	-0.00	-2.37	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	osa4:g	-0.00	-0.00	-2.37	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	osa3:g	-0.00	-0.00	-2.37	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	osa2:g	-0.00	-0.00	-2.37	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	osa1:g	-0.00	-0.00	-2.37	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	WT6:g	2.01	0.95	-1.94	2.22	-3.14	7.97	8.57	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	WT5:g	2.29	1.10	-1.25	2.54	-3.73	8.99	9.74	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	WT4:g	2.70	1.26	-0.42	2.98	-4.37	10.50	11.37	-0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	WT3:g	2.01	0.96	-1.86	2.23	-3.19	7.97	8.58	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	WT2:g	2.30	1.11	-1.15	2.56	-3.77	9.03	9.78	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	WT1:g	2.71	1.27	-0.31	2.99	-4.42	10.53	11.42	-0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	osa6:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	osa5:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	osa4:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	osa3:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	osa2:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	osa1:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	WT6:g	2.02	-0.99	-1.93	2.25	3.29	8.00	8.65	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	WT5:g	2.30	-1.13	-1.23	2.56	3.87	9.03	9.82	0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	WT4:g	2.71	-1.29	-0.40	3.00	4.52	10.53	11.46	0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	WT3:g	2.01	-0.96	-1.86	2.23	3.21	7.97	8.59	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	WT2:g	2.31	-1.11	-1.15	2.56	3.79	9.03	9.79	0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	WT1:g	2.71	-1.27	-0.30	3.00	4.44	10.53	11.43	0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	osa6:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	osa5:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	osa4:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	osa3:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	osa2:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	osa1:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	WT6:g	2.01	0.95	-1.94	2.22	-3.14	7.97	8.57	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	WT5:g	2.29	1.10	-1.25	2.54	-3.73	8.99	9.74	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	WT4:g	2.70	1.26	-0.42	2.98	-4.37	10.50	11.37	-0.14	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	WT3:g	2.01	0.96	-1.86	2.23	-3.19	7.97	8.58	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	WT2:g	2.30	1.11	-1.15	2.56	-3.77	9.03	9.78	-0.12	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	WT1:g	2.71	1.27	-0.31	2.99	-4.42	10.53	11.42	-0.14	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WRA,T	NR+	osa6:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WRA,T	NR+	osa5:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WRA,T	NR+	osa4:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WRA,T	NR+	osa3:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WRA,T	NR+	osa2:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WRA,T	NR+	osa1:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	WT6:g	2.02	-0.99	-1.93	2.25	3.29	8.00	8.65	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	WT5:g	2.30	-1.13	-1.23	2.56	3.87	9.03	9.82	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	WT4:g	2.71	-1.29	-0.40	3.00	4.52	10.53	11.46	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	WT3:g	2.01	-0.96	-1.86	2.23	3.21	7.97	8.59	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	WT2:g	2.31	-1.11	-1.15	2.56	3.79	9.03	9.79	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	WT1:g	2.71	-1.27	-0.30	3.00	4.44	10.53	11.43	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	osa6:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	osa5:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	osa4:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	osa3:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	osa2:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WLA,T	NR-	osa1:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	WT6:g	2.01	0.95	-1.94	2.22	-3.14	7.97	8.57	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	WT5:g	2.29	1.10	-1.25	2.54	-3.73	8.99	9.74	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	WT4:g	2.70	1.26	-0.42	2.98	-4.37	10.50	11.37	-0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	WT3:g	2.01	0.96	-1.86	2.23	-3.19	7.97	8.58	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	WT2:g	2.30	1.11	-1.15	2.56	-3.77	9.03	9.78	-0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	WT1:g	2.71	1.27	-0.31	2.99	-4.42	10.53	11.42	-0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	osa6:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	osa5:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	osa4:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	osa3:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	osa2:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WL_0,T	BI+	osa1:g	-0.00	0.20	-1.58	0.20	-0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	WT6:g	2.02	-0.99	-1.93	2.25	3.29	8.00	8.65	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	WT5:g	2.30	-1.13	-1.23	2.56	3.87	9.03	9.82	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	WT4:g	2.71	-1.29	-0.40	3.00	4.52	10.53	11.46	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	WT3:g	2.01	-0.96	-1.86	2.23	3.21	7.97	8.59	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	WT2:g	2.31	-1.11	-1.15	2.56	3.79	9.03	9.79	0.12	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	WT1:g	2.71	-1.27	-0.30	3.00	4.44	10.53	11.43	0.14	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	osa6:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	osa5:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	osa4:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	osa3:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	osa2:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1a	EWL	0.9	WR_0,T	BI-	osa1:g	-0.00	-0.20	-1.58	0.20	0.25	-0.01	0.25	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	WT6:g	1.86	0.53	-2.11	1.93	-1.99	7.36	7.63	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	WT5:g	1.90	0.57	-1.75	1.98	-2.12	7.48	7.77	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	WT4:g	1.95	0.60	-1.47	2.04	-2.27	7.65	7.98	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	WT3:g	1.86	0.55	-2.03	1.94	-2.04	7.37	7.65	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	WT2:g	1.91	0.58	-1.66	2.00	-2.17	7.51	7.82	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	WT1:g	1.96	0.61	-1.39	2.06	-2.31	7.68	8.02	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	osa6:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	osa5:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	osa4:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	osa3:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	osa2:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRB,T	NL+	osa1:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	WT6:g	1.86	-0.57	-2.10	1.94	2.12	7.38	7.68	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	WT5:g	1.90	-0.60	-1.74	1.99	2.24	7.50	7.83	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	WT4:g	1.96	-0.63	-1.46	2.06	2.37	7.67	8.03	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	WT3:g	1.86	-0.55	-2.03	1.94	2.06	7.37	7.66	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	WT2:g	1.91	-0.58	-1.66	2.00	2.19	7.52	7.83	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	WT1:g	1.96	-0.62	-1.39	2.06	2.32	7.68	8.02	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	osa6:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	osa5:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	osa4:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	osa3:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	osa2:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WLB,T	NL-	osa1:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	WT6:g	1.86	0.53	-2.11	1.93	-1.99	7.36	7.63	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	WT5:g	1.90	0.57	-1.75	1.98	-2.12	7.48	7.77	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	WT4:g	1.95	0.60	-1.47	2.04	-2.27	7.65	7.98	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	WT3:g	1.86	0.55	-2.03	1.94	-2.04	7.37	7.65	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	WT2:g	1.91	0.58	-1.66	2.00	-2.17	7.51	7.82	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	WT1:g	1.96	0.61	-1.39	2.06	-2.31	7.68	8.02	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	osa6:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	osa5:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	osa4:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	osa3:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	osa2:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 1b	Cold	0.9	WRA,T	NR+	osa1:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	WT6:g	1.86	-0.57	-2.10	1.94	2.12	7.38	7.68	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	WT5:g	1.90	-0.60	-1.74	1.99	2.24	7.50	7.83	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	WT4:g	1.96	-0.63	-1.46	2.06	2.37	7.67	8.03	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	WT3:g	1.86	-0.55	-2.03	1.94	2.06	7.37	7.66	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	WT2:g	1.91	-0.58	-1.66	2.00	2.19	7.52	7.83	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	WT1:g	1.96	-0.62	-1.39	2.06	2.32	7.68	8.02	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	osa6:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	osa5:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	osa4:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	osa3:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	osa2:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WLA,T	NR-	osa1:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	WT6:g	1.86	0.53	-2.11	1.93	-1.99	7.36	7.63	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	WT5:g	1.90	0.57	-1.75	1.98	-2.12	7.48	7.77	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	WT4:g	1.95	0.60	-1.47	2.04	-2.27	7.65	7.98	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	WT3:g	1.86	0.55	-2.03	1.94	-2.04	7.37	7.65	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	WT2:g	1.91	0.58	-1.66	2.00	-2.17	7.51	7.82	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	WT1:g	1.96	0.61	-1.39	2.06	-2.31	7.68	8.02	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	osa6:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	osa5:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	osa4:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	osa3:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	osa2:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	osa1:g	-0.00	0.05	-1.58	0.05	-0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	WT6:g	1.86	-0.57	-2.10	1.94	2.12	7.38	7.68	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	WT5:g	1.90	-0.60	-1.74	1.99	2.24	7.50	7.83	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	WT4:g	1.96	-0.63	-1.46	2.06	2.37	7.67	8.03	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	WT3:g	1.86	-0.55	-2.03	1.94	2.06	7.37	7.66	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	WT2:g	1.91	-0.58	-1.66	2.00	2.19	7.52	7.83	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	WT1:g	1.96	-0.62	-1.39	2.06	2.32	7.68	8.02	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	osa6:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	osa5:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	osa4:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	osa3:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	osa2:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	osa1:g	-0.00	-0.05	-1.58	0.05	0.06	-0.00	0.06	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	WT6:g	2.55	0.70	-1.74	2.65	-2.55	10.10	10.42	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	WT5:g	3.00	0.82	-0.88	3.11	-3.04	11.76	12.15	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	WT4:g	3.52	0.95	0.05	3.65	-3.57	13.70	14.16	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	WT3:g	2.54	0.71	-1.65	2.64	-2.61	10.04	10.37	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	WT2:g	3.00	0.83	-0.77	3.11	-3.10	11.74	12.14	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	WT1:g	3.52	0.97	0.18	3.65	-3.64	13.68	14.16	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	osa6:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	osa5:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	osa4:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	osa3:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	osa2:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	osa1:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	WT6:g	2.56	-0.74	-1.73	2.67	2.74	10.13	10.50	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	WT5:g	3.01	-0.86	-0.87	3.13	3.22	11.80	12.23	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	WT4:g	3.54	-1.00	0.07	3.67	3.76	13.76	14.26	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	WT3:g	2.54	-0.72	-1.65	2.64	2.64	10.04	10.38	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	WT2:g	3.00	-0.84	-0.76	3.12	3.13	11.75	12.16	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	WT1:g	3.52	-0.98	0.18	3.66	3.66	13.69	14.17	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	osa6:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	osa5:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	osa4:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	osa3:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	osa2:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	osa1:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	WT6:g	2.55	0.70	-1.74	2.65	-2.55	10.10	10.42	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	WT5:g	3.00	0.82	-0.88	3.11	-3.04	11.76	12.15	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	WT4:g	3.52	0.95	0.05	3.65	-3.57	13.70	14.16	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	WT3:g	2.54	0.71	-1.65	2.64	-2.61	10.04	10.37	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	WT2:g	3.00	0.83	-0.77	3.11	-3.10	11.74	12.14	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	WT1:g	3.52	0.97	0.18	3.65	-3.64	13.68	14.16	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	osa6:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	osa5:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	osa4:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	osa3:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	osa2:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	osa1:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	WT6:g	2.56	-0.74	-1.73	2.67	2.74	10.13	10.50	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	WT5:g	3.01	-0.86	-0.87	3.13	3.22	11.80	12.23	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	WT4:g	3.54	-1.00	0.07	3.67	3.76	13.76	14.26	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	WT3:g	2.54	-0.72	-1.65	2.64	2.64	10.04	10.38	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	WT2:g	3.00	-0.84	-0.76	3.12	3.13	11.75	12.16	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	WT1:g	3.52	-0.98	0.18	3.66	3.66	13.69	14.17	0.13	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	osa6:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	osa5:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	osa4:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	osa3:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	osa2:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	osa1:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	WT6:g	2.55	0.70	-1.74	2.65	-2.55	10.10	10.42	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	WT5:g	3.00	0.82	-0.88	3.11	-3.04	11.76	12.15	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	WT4:g	3.52	0.95	0.05	3.65	-3.57	13.70	14.16	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	WT3:g	2.54	0.71	-1.65	2.64	-2.61	10.04	10.37	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	WT2:g	3.00	0.83	-0.77	3.11	-3.10	11.74	12.14	-0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	WT1:g	3.52	0.97	0.18	3.65	-3.64	13.68	14.16	-0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	osa6:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	osa5:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	osa4:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	osa3:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	osa2:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	osa1:g	-0.00	0.07	-1.58	0.07	-0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	WT6:g	2.56	-0.74	-1.73	2.67	2.74	10.13	10.50	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	WT5:g	3.01	-0.86	-0.87	3.13	3.22	11.80	12.23	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	WT4:g	3.54	-1.00	0.07	3.67	3.76	13.76	14.26	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	WT3:g	2.54	-0.72	-1.65	2.64	2.64	10.04	10.38	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	WT2:g	3.00	-0.84	-0.76	3.12	3.13	11.75	12.16	0.11	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	WT1:g	3.52	-0.98	0.18	3.66	3.66	13.69	14.17	0.13	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	osa6:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	osa5:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	osa4:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	osa3:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	osa2:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	osa1:g	-0.00	-0.07	-1.58	0.07	0.09	-0.00	0.09	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	WT6:g	1.80	0.48	-2.16	1.87	-1.78	7.17	7.38	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	WT5:g	1.82	0.51	-1.85	1.89	-1.91	7.16	7.41	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	WT4:g	1.84	0.54	-1.63	1.91	-2.04	7.21	7.49	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	WT3:g	1.81	0.49	-2.09	1.87	-1.83	7.17	7.40	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	WT2:g	1.82	0.52	-1.77	1.90	-1.95	7.18	7.44	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	WT1:g	1.84	0.55	-1.56	1.92	-2.08	7.21	7.51	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	WT6:g	1.81	-0.51	-2.16	1.88	1.91	7.18	7.43	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	WT5:g	1.82	-0.54	-1.84	1.90	2.02	7.18	7.46	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	WT4:g	1.84	-0.57	-1.62	1.93	2.13	7.23	7.54	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	WT3:g	1.81	-0.50	-2.09	1.87	1.85	7.17	7.40	0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	WT2:g	1.82	-0.52	-1.77	1.90	1.97	7.18	7.45	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	WT1:g	1.84	-0.55	-1.56	1.92	2.09	7.22	7.51	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	WT6:g	1.80	0.48	-2.16	1.87	-1.78	7.17	7.38	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	WT5:g	1.82	0.51	-1.85	1.89	-1.91	7.16	7.41	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	WT4:g	1.84	0.54	-1.63	1.91	-2.04	7.21	7.49	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	WT3:g	1.81	0.49	-2.09	1.87	-1.83	7.17	7.40	-0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	WT2:g	1.82	0.52	-1.77	1.90	-1.95	7.18	7.44	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	WT1:g	1.84	0.55	-1.56	1.92	-2.08	7.21	7.51	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	WT6:g	1.81	-0.51	-2.16	1.88	1.91	7.18	7.43	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	WT5:g	1.82	-0.54	-1.84	1.90	2.02	7.18	7.46	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	WT4:g	1.84	-0.57	-1.62	1.93	2.13	7.23	7.54	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	WT3:g	1.81	-0.50	-2.09	1.87	1.85	7.17	7.40	0.06	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	WT2:g	1.82	-0.52	-1.77	1.90	1.97	7.18	7.45	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	WT1:g	1.84	-0.55	-1.56	1.92	2.09	7.22	7.51	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	WT6:g	1.80	0.48	-2.16	1.87	-1.78	7.17	7.38	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	WT5:g	1.82	0.51	-1.85	1.89	-1.91	7.16	7.41	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	WT4:g	1.84	0.54	-1.63	1.91	-2.04	7.21	7.49	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	WT3:g	1.81	0.49	-2.09	1.87	-1.83	7.17	7.40	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	WT2:g	1.82	0.52	-1.77	1.90	-1.95	7.18	7.44	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	WT1:g	1.84	0.55	-1.56	1.92	-2.08	7.21	7.51	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WL_0,T	BI+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	WT6:g	1.81	-0.51	-2.16	1.88	1.91	7.18	7.43	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	WT5:g	1.82	-0.54	-1.84	1.90	2.02	7.18	7.46	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	WT4:g	1.84	-0.57	-1.62	1.93	2.13	7.23	7.54	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	WT3:g	1.81	-0.50	-2.09	1.87	1.85	7.17	7.40	0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	WT2:g	1.82	-0.52	-1.77	1.90	1.97	7.18	7.45	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	WT1:g	1.84	-0.55	-1.56	1.92	2.09	7.22	7.51	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 4	Con & Main	0.9	WR_0,T	BI-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	WT6:g	1.74	-0.02	-2.22	1.74	0.07	6.92	6.92	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	WT5:g	1.72	-0.02	-1.96	1.72	0.06	6.82	6.82	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	WT4:g	1.71	-0.02	-1.79	1.71	0.05	6.76	6.76	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	WT3:g	1.74	-0.01	-2.16	1.74	0.02	6.91	6.91	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	WT2:g	1.73	-0.01	-1.89	1.73	0.02	6.83	6.83	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	WT1:g	1.71	-0.01	-1.74	1.71	0.01	6.74	6.74	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	osa6:g	-0.00	-0.00	-1.58	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	osa5:g	-0.00	-0.00	-1.58	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	osa4:g	-0.00	-0.00	-1.58	0.00	0.00	-0.00	0.00	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	osa3:g	-0.00	-0.00	-1.58	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	osa2:g	-0.00	-0.00	-1.58	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL1	Lc 6	Permanent	0.9	GW,T	Global	osa1:g	-0.00	-0.00	-1.58	0.00	0.00	-0.00	0.00	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	WT6:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	WT5:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	WT4:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	WT3:g	1.95	0.68	-3.28	2.06	-2.37	7.79	8.15	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	WT2:g	2.08	0.75	-2.81	2.21	-2.67	8.24	8.66	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	WT1:g	2.24	0.83	-2.38	2.39	-2.99	8.83	9.32	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 1 20	22	50,T	NL+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	WT6:g	1.95	0.66	-3.35	2.06	-2.32	7.80	8.14	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	WT5:g	2.07	0.74	-2.90	2.20	-2.62	8.22	8.63	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	WT4:g	2.24	0.82	-2.46	2.38	-2.95	8.82	9.30	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	WT3:g	1.95	0.68	-3.28	2.06	-2.37	7.79	8.15	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	WT2:g	2.08	0.75	-2.81	2.21	-2.67	8.24	8.66	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	WT1:g	2.24	0.83	-2.38	2.39	-2.99	8.83	9.32	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WRB 3 30	32	52,T	NL+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	WT6:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	WT5:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	WT4:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	WT3:g	1.95	-0.68	-3.28	2.07	2.39	7.80	8.16	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	WT2:g	2.08	-0.76	-2.81	2.21	2.69	8.24	8.66	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	WT1:g	2.24	-0.84	-2.38	2.39	3.01	8.83	9.33	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 1 20	22	50,T	NL-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 3 30	32	52,T	NL-	WT6:g	1.95	-0.70	-3.35	2.08	2.46	7.83	8.20	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 3 30	32	52,T	NL-	WT5:g	2.08	-0.77	-2.89	2.22	2.75	8.25	8.69	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 3 30	32	52,T	NL-	WT4:g	2.24	-0.85	-2.45	2.40	3.07	8.85	9.37	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 3 30	32	52,T	NL-	WT3:g	1.95	-0.68	-3.28	2.07	2.39	7.80	8.16	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 3 30	32	52,T	NL-	WT2:g	2.08	-0.76	-2.81	2.21	2.69	8.24	8.66	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br. Lc 1a	EWL WLB 3 30	32	52,T	NL-	WT1:g	2.24	-0.84	-2.38	2.39	3.01	8.83	9.33	0.10	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLB 3 30	32	52,T	NL-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLB 3 30	32	52,T	NL-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLB 3 30	32	52,T	NL-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLB 3 30	32	52,T	NL-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLB 3 30	32	52,T	NL-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLB 3 30	32	52,T	NL-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	WT6:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	WT5:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	WT4:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	WT3:g	1.95	0.68	-3.28	2.06	-2.37	7.79	8.15	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	WT2:g	2.08	0.75	-2.81	2.21	-2.67	8.24	8.66	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	WT1:g	2.24	0.83	-2.38	2.39	-2.99	8.83	9.32	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 1 20	22	50,T	NR+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	WT6:g	1.95	0.66	-3.35	2.06	-2.32	7.80	8.14	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	WT5:g	2.07	0.74	-2.90	2.20	-2.62	8.22	8.63	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	WT4:g	2.24	0.82	-2.46	2.38	-2.95	8.82	9.30	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	WT3:g	1.95	0.68	-3.28	2.06	-2.37	7.79	8.15	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	WT2:g	2.08	0.75	-2.81	2.21	-2.67	8.24	8.66	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	WT1:g	2.24	0.83	-2.38	2.39	-2.99	8.83	9.32	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WRA 3 30	32	52,T	NR+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	WT6:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	WT5:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	WT4:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	WT3:g	1.95	-0.68	-3.28	2.07	2.39	7.80	8.16	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	WT2:g	2.08	-0.76	-2.81	2.21	2.69	8.24	8.66	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	WT1:g	2.24	-0.84	-2.38	2.39	3.01	8.83	9.33	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 1 20	22	50,T	NR-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	WT6:g	1.95	-0.70	-3.35	2.08	2.46	7.83	8.20	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	WT5:g	2.08	-0.77	-2.89	2.22	2.75	8.25	8.69	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	WT4:g	2.24	-0.85	-2.45	2.40	3.07	8.85	9.37	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	WT3:g	1.95	-0.68	-3.28	2.07	2.39	7.80	8.16	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	WT2:g	2.08	-0.76	-2.81	2.21	2.69	8.24	8.66	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	WT1:g	2.24	-0.84	-2.38	2.39	3.01	8.83	9.33	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1a	EWL	WLA 3 30	32	52,T	NR-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	WT6:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	WT5:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	WT4:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	WT3:g	1.94	0.52	-3.30	2.00	-1.97	7.74	7.98	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	WT2:g	2.02	0.55	-2.90	2.09	-2.07	8.00	8.26	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	WT1:g	2.10	0.57	-2.59	2.17	-2.18	8.27	8.55	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 1 20	22	50,T	NL+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	WT6:g	1.93	0.51	-3.37	2.00	-1.91	7.74	7.97	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	WT5:g	2.01	0.53	-2.98	2.08	-2.02	7.97	8.22	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	WT4:g	2.09	0.56	-2.67	2.16	-2.14	8.25	8.53	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	WT3:g	1.94	0.52	-3.30	2.00	-1.97	7.74	7.98	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	WT2:g	2.02	0.55	-2.90	2.09	-2.07	8.00	8.26	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	WT1:g	2.10	0.57	-2.59	2.17	-2.18	8.27	8.55	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3	Br.	Lc 1b	Cold	WRB 3 30	32	52,T	NL+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	WT6:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	WT5:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	WT4:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	WT3:g	1.94	-0.53	-3.30	2.01	1.99	7.74	7.99	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	WT2:g	2.02	-0.55	-2.89	2.09	2.09	8.00	8.27	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	WT1:g	2.10	-0.58	-2.59	2.17	2.20	8.27	8.56	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22	50,T	NL-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	WT6:g	1.94	-0.54	-3.37	2.01	2.05	7.76	8.03	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	WT5:g	2.01	-0.56	-2.97	2.09	2.14	7.99	8.27	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	WT4:g	2.09	-0.59	-2.66	2.18	2.25	8.28	8.57	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	WT3:g	1.94	-0.53	-3.30	2.01	1.99	7.74	7.99	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	WT2:g	2.02	-0.55	-2.89	2.09	2.09	8.00	8.27	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	WT1:g	2.10	-0.58	-2.59	2.17	2.20	8.27	8.56	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32	52,T	NL-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	WT6:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	WT5:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	WT4:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	WT3:g	1.94	0.52	-3.30	2.00	-1.97	7.74	7.98	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	WT2:g	2.02	0.55	-2.90	2.09	-2.07	8.00	8.26	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	WT1:g	2.10	0.57	-2.59	2.17	-2.18	8.27	8.55	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22	50,T	NR+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT6:g	1.93	0.51	-3.37	2.00	-1.91	7.74	7.97	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT5:g	2.01	0.53	-2.98	2.08	-2.02	7.97	8.22	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT4:g	2.09	0.56	-2.67	2.16	-2.14	8.25	8.53	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT3:g	1.94	0.52	-3.30	2.00	-1.97	7.74	7.98	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT2:g	2.02	0.55	-2.90	2.09	-2.07	8.00	8.26	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	WT1:g	2.10	0.57	-2.59	2.17	-2.18	8.27	8.55	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32	52,T	NR+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT6:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT5:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT4:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT3:g	1.94	-0.53	-3.30	2.01	1.99	7.74	7.99	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT2:g	2.02	-0.55	-2.89	2.09	2.09	8.00	8.27	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	WT1:g	2.10	-0.58	-2.59	2.17	2.20	8.27	8.56	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22	50,T	NR-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT6:g	1.94	-0.54	-3.37	2.01	2.05	7.76	8.03	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT5:g	2.01	-0.56	-2.97	2.09	2.14	7.99	8.27	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT4:g	2.09	-0.59	-2.66	2.18	2.25	8.28	8.57	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT3:g	1.94	-0.53	-3.30	2.01	1.99	7.74	7.99	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT2:g	2.02	-0.55	-2.89	2.09	2.09	8.00	8.27	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	WT1:g	2.10	-0.58	-2.59	2.17	2.20	8.27	8.56	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32	52,T	NR-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT6:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT5:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT4:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT3:g	2.07	0.57	-3.23	2.15	-2.11	8.28	8.55	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT2:g	2.24	0.63	-2.72	2.33	-2.35	8.88	9.19	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	WT1:g	2.44	0.70	-2.26	2.53	-2.61	9.58	9.93	-0.09	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22	50,T	NL+	osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT6:g	2.08	0.56	-3.30	2.15	-2.05	8.30	8.55	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT5:g	2.24	0.62	-2.81	2.32	-2.30	8.88	9.17	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT4:g	2.43	0.69	-2.34	2.53	-2.56	9.58	9.92	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT3:g	2.07	0.57	-3.23	2.15	-2.11	8.28	8.55	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT2:g	2.24	0.63	-2.72	2.33	-2.35	8.88	9.19	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	WT1:g	2.44	0.70	-2.26	2.53	-2.61	9.58	9.93	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32	52,T	NL+	osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT6:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT5:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT4:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT3:g	2.07	-0.58	-3.23	2.15	2.13	8.28	8.55	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT2:g	2.24	-0.64	-2.72	2.33	2.37	8.89	9.20	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	WT1:g	2.44	-0.70	-2.25	2.54	2.62	9.58	9.94	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22	50,T	NL-	osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT6:g	2.08	-0.60	-3.30	2.17	2.21	8.32	8.61	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT5:g	2.25	-0.66	-2.80	2.34	2.43	8.90	9.23	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT4:g	2.44	-0.72	-2.33	2.54	2.69	9.61	9.98	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT3:g	2.07	-0.58	-3.23	2.15	2.13	8.28	8.55	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT2:g	2.24	-0.64	-2.72	2.33	2.37	8.89	9.20	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	WT1:g	2.44	-0.70	-2.25	2.54	2.62	9.58	9.94	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32	52,T	NL-	osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT6:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT5:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT4:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT3:g	2.07	0.57	-3.23	2.15	-2.11	8.28	8.55	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT2:g	2.24	0.63	-2.72	2.33	-2.35	8.88	9.19	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	WT1:g	2.44	0.70	-2.26	2.53	-2.61	9.58	9.93	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22	50,T	NR+	osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT6:g	2.08	0.56	-3.30	2.15	-2.05	8.30	8.55	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT5:g	2.24	0.62	-2.81	2.32	-2.30	8.88	9.17	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT4:g	2.43	0.69	-2.34	2.53	-2.56	9.58	9.92	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT3:g	2.07	0.57	-3.23	2.15	-2.11	8.28	8.55	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT2:g	2.24	0.63	-2.72	2.33	-2.35	8.88	9.19	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	WT1:g	2.44	0.70	-2.26	2.53	-2.61	9.58	9.93	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32	52,T	NR+	osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT6:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT5:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT4:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT3:g	2.07	-0.58	-3.23	2.15	2.13	8.28	8.55	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT2:g	2.24	-0.64	-2.72	2.33	2.37	8.89	9.20	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	WT1:g	2.44	-0.70	-2.25	2.54	2.62	9.58	9.94	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22	50,T	NR-	osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT6:g	2.08	-0.60	-3.30	2.17	2.21	8.32	8.61	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT5:g	2.25	-0.66	-2.80	2.34	2.43	8.90	9.23	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT4:g	2.44	-0.72	-2.33	2.54	2.69	9.61	9.98	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT3:g	2.07	-0.58	-3.23	2.15	2.13	8.28	8.55	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT2:g	2.24	-0.64	-2.72	2.33	2.37	8.89	9.20	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	WT1:g	2.44	-0.70	-2.25	2.54	2.62	9.58	9.94	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32	52,T	NR-	osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT6:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT5:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT4:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT3:g	1.88	0.47	-3.35	1.94	-1.77	7.54	7.74	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT2:g	1.93	0.49	-3.01	1.99	-1.86	7.67	7.89	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	WT1:g	1.97	0.52	-2.76	2.04	-1.96	7.81	8.05	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa6:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa5:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa4:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa3:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa2:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22	50,T	NL+	osa1:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT6:g	1.88	0.45	-3.42	1.94	-1.71	7.55	7.74	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT5:g	1.92	0.48	-3.08	1.98	-1.81	7.66	7.87	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT4:g	1.97	0.51	-2.83	2.04	-1.92	7.82	8.05	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT3:g	1.88	0.47	-3.35	1.94	-1.77	7.54	7.74	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT2:g	1.93	0.49	-3.01	1.99	-1.86	7.67	7.89	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	WT1:g	1.97	0.52	-2.76	2.04	-1.96	7.81	8.05	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa6:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa5:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa4:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa3:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa2:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32	52,T	NL+	osa1:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	WT6:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	WT5:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	WT4:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	WT3:g	1.88	-0.47	-3.35	1.94	1.79	7.54	7.75	0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	WT2:g	1.93	-0.49	-3.00	1.99	1.88	7.67	7.90	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	WT1:g	1.97	-0.52	-2.76	2.04	1.97	7.81	8.05	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	osa6:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	osa5:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	osa4:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	osa3:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	osa2:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22	50,T	NL-	osa1:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	WT6:g	1.89	-0.49	-3.42	1.95	1.85	7.56	7.79	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	WT5:g	1.93	-0.51	-3.08	1.99	1.93	7.68	7.91	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	WT4:g	1.98	-0.53	-2.83	2.05	2.02	7.83	8.09	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	WT3:g	1.88	-0.47	-3.35	1.94	1.79	7.54	7.75	0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	WT2:g	1.93	-0.49	-3.00	1.99	1.88	7.67	7.90	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	WT1:g	1.97	-0.52	-2.76	2.04	1.97	7.81	8.05	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	osa6:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	osa5:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	osa4:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	osa3:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	osa2:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32	52,T	NL-	osa1:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	WT6:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	WT5:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	WT4:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	WT3:g	1.88	0.47	-3.35	1.94	-1.77	7.54	7.74	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	WT2:g	1.93	0.49	-3.01	1.99	-1.86	7.67	7.89	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	WT1:g	1.97	0.52	-2.76	2.04	-1.96	7.81	8.05	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	osa6:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	osa5:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	osa4:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	osa3:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	osa2:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22	50,T	NR+	osa1:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32	52,T	NR+	WT6:g	1.88	0.45	-3.42	1.94	-1.71	7.55	7.74	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32	52,T	NR+	WT5:g	1.92	0.48	-3.08	1.98	-1.81	7.66	7.87	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32	52,T	NR+	WT4:g	1.97	0.51	-2.83	2.04	-1.92	7.82	8.05	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32	52,T	NR+	WT3:g	1.88	0.47	-3.35	1.94	-1.77	7.54	7.74	-0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32	52,T	NR+	WT2:g	1.93	0.49	-3.01	1.99	-1.86	7.67	7.89	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32	52,T	NR+	WT1:g	1.97	0.52	-2.76	2.04	-1.96	7.81	8.05	-0.07	0.00

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WRA	3 30	32	52,T	NR+	osa6:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WRA	3 30	32	52,T	NR+	osa5:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WRA	3 30	32	52,T	NR+	osa4:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WRA	3 30	32	52,T	NR+	osa3:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WRA	3 30	32	52,T	NR+	osa2:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WRA	3 30	32	52,T	NR+	osa1:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	WT6:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	WT5:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	WT4:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	WT3:g	1.88	-0.47	-3.35	1.94	1.79	7.54	7.75	0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	WT2:g	1.93	-0.49	-3.00	1.99	1.88	7.67	7.90	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	WT1:g	1.97	-0.52	-2.76	2.04	1.97	7.81	8.05	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	osa6:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	osa5:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	osa4:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	osa3:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	osa2:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	1 20	22	50,T	NR-	osa1:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	WT6:g	1.89	-0.49	-3.42	1.95	1.85	7.56	7.79	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	WT5:g	1.93	-0.51	-3.08	1.99	1.93	7.68	7.91	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	WT4:g	1.98	-0.53	-2.83	2.05	2.02	7.83	8.09	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	WT3:g	1.88	-0.47	-3.35	1.94	1.79	7.54	7.75	0.06	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	WT2:g	1.93	-0.49	-3.00	1.99	1.88	7.67	7.90	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	WT1:g	1.97	-0.52	-2.76	2.04	1.97	7.81	8.05	0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	osa6:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	osa5:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	osa4:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	osa3:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	osa2:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 4 Con & Main	WLA	3 30	32	52,T	NR-	osa1:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	WT6:g	1.87	0.67	-2.09	1.98	-2.32	7.41	7.77	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	WT5:g	1.96	0.74	-1.67	2.09	-2.63	7.71	8.15	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	WT4:g	2.10	0.83	-1.26	2.26	-2.96	8.21	8.73	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	WT3:g	1.87	0.68	-2.02	1.99	-2.37	7.41	7.78	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	WT2:g	1.97	0.75	-1.58	2.11	-2.67	7.74	8.19	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	WT1:g	2.11	0.84	-1.18	2.27	-3.00	8.23	8.76	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	osa6:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	osa5:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	osa4:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	osa3:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	osa2:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	5 23	25	51,T	NL+	osa1:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	WT6:g	1.87	0.67	-2.09	1.98	-2.32	7.41	7.77	-0.07	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	WT5:g	1.96	0.74	-1.67	2.09	-2.63	7.71	8.15	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	WT4:g	2.10	0.83	-1.26	2.26	-2.96	8.21	8.73	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	WT3:g	1.87	0.68	-2.02	1.99	-2.37	7.41	7.78	-0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	WT2:g	1.97	0.75	-1.58	2.11	-2.67	7.74	8.19	-0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	WT1:g	2.11	0.84	-1.18	2.27	-3.00	8.23	8.76	-0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	osa6:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	osa5:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	osa4:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	osa3:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	osa2:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WRB	7 33	35	53,T	NL+	osa1:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	WT6:g	1.87	-0.70	-2.09	2.00	2.46	7.43	7.83	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	WT5:g	1.96	-0.77	-1.66	2.11	2.75	7.74	8.21	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	WT4:g	2.11	-0.85	-1.25	2.27	3.07	8.24	8.80	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	WT3:g	1.87	-0.68	-2.02	1.99	2.39	7.42	7.79	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	WT2:g	1.97	-0.76	-1.58	2.11	2.69	7.74	8.20	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	WT1:g	2.11	-0.84	-1.18	2.27	3.02	8.23	8.77	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	osa6:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	osa5:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	osa4:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	osa3:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	osa2:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	5 23	25	51,T	NL-	osa1:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	WT6:g	1.87	-0.70	-2.09	2.00	2.46	7.43	7.83	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	WT5:g	1.96	-0.77	-1.66	2.11	2.75	7.74	8.21	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	WT4:g	2.11	-0.85	-1.25	2.27	3.07	8.24	8.80	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	WT3:g	1.87	-0.68	-2.02	1.99	2.39	7.42	7.79	0.08	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	WT2:g	1.97	-0.76	-1.58	2.11	2.69	7.74	8.20	0.09	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	WT1:g	2.11	-0.84	-1.18	2.27	3.02	8.23	8.77	0.10	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	osa6:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	osa5:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	osa4:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	osa3:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	osa2:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9 WLB	7 33	35	53,T	NL-	osa1:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	WT6:g	1.87	0.67	-2.09	1.98	-2.32	7.41	7.77	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	WT5:g	1.96	0.74	-1.67	2.09	-2.63	7.71	8.15	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	WT4:g	2.10	0.83	-1.26	2.26	-2.96	8.21	8.73	-0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	WT3:g	1.87	0.68	-2.02	1.99	-2.37	7.41	7.78	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	WT2:g	1.97	0.75	-1.58	2.11	-2.67	7.74	8.19	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	WT1:g	2.11	0.84	-1.18	2.27	-3.00	8.23	8.76	-0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	osa6:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	osa5:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	osa4:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	osa3:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	osa2:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	osa1:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	WT6:g	1.87	0.67	-2.09	1.98	-2.32	7.41	7.77	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	WT5:g	1.96	0.74	-1.67	2.09	-2.63	7.71	8.15	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	WT4:g	2.10	0.83	-1.26	2.26	-2.96	8.21	8.73	-0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	WT3:g	1.87	0.68	-2.02	1.99	-2.37	7.41	7.78	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	WT2:g	1.97	0.75	-1.58	2.11	-2.67	7.74	8.19	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	WT1:g	2.11	0.84	-1.18	2.27	-3.00	8.23	8.76	-0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	osa6:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	osa5:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	osa4:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	osa3:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	osa2:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	osa1:g	-0.00	0.11	-1.58	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	WT6:g	1.87	-0.70	-2.09	2.00	2.46	7.43	7.83	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	WT5:g	1.96	-0.77	-1.66	2.11	2.75	7.74	8.21	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	WT4:g	2.11	-0.85	-1.25	2.27	3.07	8.24	8.80	0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	WT3:g	1.87	-0.68	-2.02	1.99	2.39	7.42	7.79	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	WT2:g	1.97	-0.76	-1.58	2.11	2.69	7.74	8.20	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	WT1:g	2.11	-0.84	-1.18	2.27	3.02	8.23	8.77	0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	osa6:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	osa5:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	osa4:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	osa3:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	osa2:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	osa1:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	WT6:g	1.87	-0.70	-2.09	2.00	2.46	7.43	7.83	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	WT5:g	1.96	-0.77	-1.66	2.11	2.75	7.74	8.21	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	WT4:g	2.11	-0.85	-1.25	2.27	3.07	8.24	8.80	0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	WT3:g	1.87	-0.68	-2.02	1.99	2.39	7.42	7.79	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	WT2:g	1.97	-0.76	-1.58	2.11	2.69	7.74	8.20	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	WT1:g	2.11	-0.84	-1.18	2.27	3.02	8.23	8.77	0.10	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	osa6:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	osa5:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	osa4:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	osa3:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	osa2:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	osa1:g	-0.00	-0.11	-1.58	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	WT6:g	1.85	0.51	-2.11	1.92	-1.91	7.33	7.58	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	WT5:g	1.88	0.53	-1.77	1.96	-2.02	7.42	7.69	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	WT4:g	1.92	0.56	-1.51	2.01	-2.14	7.55	7.84	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	WT3:g	1.85	0.52	-2.04	1.92	-1.97	7.34	7.60	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	WT2:g	1.89	0.55	-1.68	1.97	-2.07	7.45	7.73	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	WT1:g	1.93	0.57	-1.43	2.02	-2.18	7.57	7.88	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	WT6:g	1.85	0.51	-2.11	1.92	-1.91	7.33	7.58	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	WT5:g	1.88	0.53	-1.77	1.96	-2.02	7.42	7.69	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	WT4:g	1.92	0.56	-1.51	2.01	-2.14	7.55	7.84	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	WT3:g	1.85	0.52	-2.04	1.92	-1.97	7.34	7.60	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	WT2:g	1.89	0.55	-1.68	1.97	-2.07	7.45	7.73	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	WT1:g	1.93	0.57	-1.43	2.02	-2.18	7.57	7.88	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	WT6:g	1.85	-0.54	-2.11	1.93	2.05	7.35	7.63	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	WT5:g	1.89	-0.56	-1.76	1.97	2.14	7.44	7.74	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	WT4:g	1.93	-0.59	-1.50	2.02	2.24	7.57	7.89	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	WT3:g	1.85	-0.53	-2.04	1.93	1.99	7.34	7.61	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	WT2:g	1.89	-0.55	-1.68	1.97	2.09	7.45	7.74	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	WT1:g	1.93	-0.58	-1.43	2.02	2.20	7.57	7.88	0.08	0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5 23	25 51,T	NL-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5 23	25 51,T	NL-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5 23	25 51,T	NL-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5 23	25 51,T	NL-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5 23	25 51,T	NL-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5 23	25 51,T	NL-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	WT6:g	1.85	-0.54	-2.11	1.93	2.05	7.35	7.63	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	WT5:g	1.89	-0.56	-1.76	1.97	2.14	7.44	7.74	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	WT4:g	1.93	-0.59	-1.50	2.02	2.24	7.57	7.89	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	WT3:g	1.85	-0.53	-2.04	1.93	1.99	7.34	7.61	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	WT2:g	1.89	-0.55	-1.68	1.97	2.09	7.45	7.74	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	WT1:g	1.93	-0.58	-1.43	2.02	2.20	7.57	7.88	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7 33	35 53,T	NL-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	WT6:g	1.85	0.51	-2.11	1.92	-1.91	7.33	7.58	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	WT5:g	1.88	0.53	-1.77	1.96	-2.02	7.42	7.69	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	WT4:g	1.92	0.56	-1.51	2.01	-2.14	7.55	7.84	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	WT3:g	1.85	0.52	-2.04	1.92	-1.97	7.34	7.60	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	WT2:g	1.89	0.55	-1.68	1.97	-2.07	7.45	7.73	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	WT1:g	1.93	0.57	-1.43	2.02	-2.18	7.57	7.88	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5 23	25 51,T	NR+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	WT6:g	1.85	0.51	-2.11	1.92	-1.91	7.33	7.58	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	WT5:g	1.88	0.53	-1.77	1.96	-2.02	7.42	7.69	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	WT4:g	1.92	0.56	-1.51	2.01	-2.14	7.55	7.84	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	WT3:g	1.85	0.52	-2.04	1.92	-1.97	7.34	7.60	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	WT2:g	1.89	0.55	-1.68	1.97	-2.07	7.45	7.73	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	WT1:g	1.93	0.57	-1.43	2.02	-2.18	7.57	7.88	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	osa6:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	osa5:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	osa4:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	osa3:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	osa2:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7 33	35 53,T	NR+	osa1:g	-0.00	0.04	-1.58	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	WT6:g	1.85	-0.54	-2.11	1.93	2.05	7.35	7.63	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	WT5:g	1.89	-0.56	-1.76	1.97	2.14	7.44	7.74	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	WT4:g	1.93	-0.59	-1.50	2.02	2.24	7.57	7.89	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	WT3:g	1.85	-0.53	-2.04	1.93	1.99	7.34	7.61	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	WT2:g	1.89	-0.55	-1.68	1.97	2.09	7.45	7.74	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	WT1:g	1.93	-0.58	-1.43	2.02	2.20	7.57	7.88	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5 23	25 51,T	NR-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	WT6:g	1.85	-0.54	-2.11	1.93	2.05	7.35	7.63	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	WT5:g	1.89	-0.56	-1.76	1.97	2.14	7.44	7.74	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	WT4:g	1.93	-0.59	-1.50	2.02	2.24	7.57	7.89	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	WT3:g	1.85	-0.53	-2.04	1.93	1.99	7.34	7.61	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	WT2:g	1.89	-0.55	-1.68	1.97	2.09	7.45	7.74	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	WT1:g	1.93	-0.58	-1.43	2.02	2.20	7.57	7.88	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	osa6:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	osa5:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	osa4:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	osa3:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	osa2:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7 33	35 53,T	NR-	osa1:g	-0.00	-0.04	-1.58	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	WT6:g	2.25	0.64	-1.94	2.33	-2.19	8.90	9.17	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	WT5:g	2.48	0.69	-1.36	2.58	-2.42	9.76	10.05	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	WT4:g	2.75	0.76	-0.80	2.85	-2.67	10.74	11.06	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	WT3:g	2.24	0.65	-1.86	2.33	-2.26	8.86	9.14	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	WT2:g	2.48	0.71	-1.26	2.58	-2.48	9.75	10.06	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	WT1:g	2.74	0.77	-0.71	2.85	-2.73	10.71	11.05	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5 23	25 51,T	NL+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	WT6:g	2.25	0.64	-1.94	2.33	-2.19	8.90	9.17	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	WT5:g	2.48	0.69	-1.36	2.58	-2.42	9.76	10.05	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	WT4:g	2.75	0.76	-0.80	2.85	-2.67	10.74	11.06	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	WT3:g	2.24	0.65	-1.86	2.33	-2.26	8.86	9.14	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	WT2:g	2.48	0.71	-1.26	2.58	-2.48	9.75	10.06	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	WT1:g	2.74	0.77	-0.71	2.85	-2.73	10.71	11.05	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRB	7	33	35	53,T	NL+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	WT6:g	2.25	-0.68	-1.93	2.35	2.36	8.92	9.23	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	WT5:g	2.49	-0.73	-1.35	2.59	2.58	9.78	10.12	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	WT4:g	2.76	-0.79	-0.79	2.87	2.82	10.77	11.13	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	WT3:g	2.24	-0.66	-1.86	2.33	2.28	8.86	9.15	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	WT2:g	2.48	-0.71	-1.26	2.58	2.50	9.75	10.07	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	WT1:g	2.75	-0.78	-0.71	2.85	2.75	10.72	11.06	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	5	23	25	51,T	NL-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	WT6:g	2.25	-0.68	-1.93	2.35	2.36	8.92	9.23	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	WT5:g	2.49	-0.73	-1.35	2.59	2.58	9.78	10.12	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	WT4:g	2.76	-0.79	-0.79	2.87	2.82	10.77	11.13	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	WT3:g	2.24	-0.66	-1.86	2.33	2.28	8.86	9.15	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	WT2:g	2.48	-0.71	-1.26	2.58	2.50	9.75	10.07	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	WT1:g	2.75	-0.78	-0.71	2.85	2.75	10.72	11.06	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLB	7	33	35	53,T	NL-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT6:g	2.25	0.64	-1.94	2.33	-2.19	8.90	9.17	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT5:g	2.48	0.69	-1.36	2.58	-2.42	9.76	10.05	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT4:g	2.75	0.76	-0.80	2.85	-2.67	10.74	11.06	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT3:g	2.24	0.65	-1.86	2.33	-2.26	8.86	9.14	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT2:g	2.48	0.71	-1.26	2.58	-2.48	9.75	10.06	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	WT1:g	2.74	0.77	-0.71	2.85	-2.73	10.71	11.05	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT6:g	2.25	0.64	-1.94	2.33	-2.19	8.90	9.17	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT5:g	2.48	0.69	-1.36	2.58	-2.42	9.76	10.05	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT4:g	2.75	0.76	-0.80	2.85	-2.67	10.74	11.06	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT3:g	2.24	0.65	-1.86	2.33	-2.26	8.86	9.14	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT2:g	2.48	0.71	-1.26	2.58	-2.48	9.75	10.06	-0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	WT1:g	2.74	0.77	-0.71	2.85	-2.73	10.71	11.05	-0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT6:g	2.25	-0.68	-1.93	2.35	2.36	8.92	9.23	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT5:g	2.49	-0.73	-1.35	2.59	2.58	9.78	10.12	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT4:g	2.76	-0.79	-0.79	2.87	2.82	10.77	11.13	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT3:g	2.24	-0.66	-1.86	2.33	2.28	8.86	9.15	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT2:g	2.48	-0.71	-1.26	2.58	2.50	9.75	10.07	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	WT1:g	2.75	-0.78	-0.71	2.85	2.75	10.72	11.06	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT6:g	2.25	-0.68	-1.93	2.35	2.36	8.92	9.23	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT5:g	2.49	-0.73	-1.35	2.59	2.58	9.78	10.12	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT4:g	2.76	-0.79	-0.79	2.87	2.82	10.77	11.13	0.09	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT3:g	2.24	-0.66	-1.86	2.33	2.28	8.86	9.15	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT2:g	2.48	-0.71	-1.26	2.58	2.50	9.75	10.07	0.08	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	WT1:g	2.75	-0.78	-0.71	2.85	2.75	10.72	11.06	0.09	0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA 7	33	35	53,T	NR-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA 7	33	35	53,T	NR-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA 7	33	35	53,T	NR-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA 7	33	35	53,T	NR-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA 7	33	35	53,T	NR-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 3	Wind + ice	0.9	WLA 7	33	35	53,T	NR-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	WT6:g	1.80	0.58	-2.17	1.89	-1.96	7.14	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	WT5:g	1.80	0.60	-1.86	1.90	-2.06	7.11	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	WT4:g	1.81	0.63	-1.66	1.92	-2.17	7.12	7.44	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	WT3:g	1.80	0.59	-2.10	1.89	-2.02	7.14	7.42	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	WT2:g	1.81	0.62	-1.79	1.91	-2.11	7.13	7.43	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	WT1:g	1.81	0.64	-1.59	1.92	-2.21	7.12	7.46	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 5	23	25	51,T	NL+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	WT6:g	1.80	0.58	-2.17	1.89	-1.96	7.14	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	WT5:g	1.80	0.60	-1.86	1.90	-2.06	7.11	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	WT4:g	1.81	0.63	-1.66	1.92	-2.17	7.12	7.44	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	WT3:g	1.80	0.59	-2.10	1.89	-2.02	7.14	7.42	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	WT2:g	1.81	0.62	-1.79	1.91	-2.11	7.13	7.43	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	WT1:g	1.81	0.64	-1.59	1.92	-2.21	7.12	7.46	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRB 7	33	35	53,T	NL+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	WT6:g	1.80	-0.61	-2.16	1.90	2.09	7.15	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	WT5:g	1.80	-0.63	-1.86	1.91	2.17	7.13	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	WT4:g	1.82	-0.65	-1.65	1.93	2.27	7.14	7.49	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	WT3:g	1.80	-0.60	-2.10	1.89	2.03	7.14	7.42	0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	WT2:g	1.81	-0.62	-1.79	1.91	2.12	7.13	7.44	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	WT1:g	1.81	-0.64	-1.59	1.92	2.22	7.13	7.46	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 5	23	25	51,T	NL-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	WT6:g	1.80	-0.61	-2.16	1.90	2.09	7.15	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	WT5:g	1.80	-0.63	-1.86	1.91	2.17	7.13	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	WT4:g	1.82	-0.65	-1.65	1.93	2.27	7.14	7.49	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	WT3:g	1.80	-0.60	-2.10	1.89	2.03	7.14	7.42	0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	WT2:g	1.81	-0.62	-1.79	1.91	2.12	7.13	7.44	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	WT1:g	1.81	-0.64	-1.59	1.92	2.22	7.13	7.46	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WLB 7	33	35	53,T	NL-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	WT6:g	1.80	0.58	-2.17	1.89	-1.96	7.14	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	WT5:g	1.80	0.60	-1.86	1.90	-2.06	7.11	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	WT4:g	1.81	0.63	-1.66	1.92	-2.17	7.12	7.44	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	WT3:g	1.80	0.59	-2.10	1.89	-2.02	7.14	7.42	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	WT2:g	1.81	0.62	-1.79	1.91	-2.11	7.13	7.43	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	WT1:g	1.81	0.64	-1.59	1.92	-2.21	7.12	7.46	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 5	23	25	51,T	NR+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	WT6:g	1.80	0.58	-2.17	1.89	-1.96	7.14	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	WT5:g	1.80	0.60	-1.86	1.90	-2.06	7.11	7.40	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	WT4:g	1.81	0.63	-1.66	1.92	-2.17	7.12	7.44	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	WT3:g	1.80	0.59	-2.10	1.89	-2.02	7.14	7.42	-0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	WT2:g	1.81	0.62	-1.79	1.91	-2.11	7.13	7.43	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	WT1:g	1.81	0.64	-1.59	1.92	-2.21	7.12	7.46	-0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	osa6:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	osa5:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	osa4:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	osa3:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	osa2:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4	Con & Main	0.9	WRA 7	33	35	53,T	NR+	osa1:g	-0.00	0.11	-1.58	0.11	-0.14	-0.00	0.14	0.00	0.00

OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	WT6:g	1.80	-0.61	-2.16	1.90	2.09	7.15	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	WT5:g	1.80	-0.63	-1.86	1.91	2.17	7.13	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	WT4:g	1.82	-0.65	-1.65	1.93	2.27	7.14	7.49	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	WT3:g	1.80	-0.60	-2.10	1.89	2.03	7.14	7.42	0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	WT2:g	1.81	-0.62	-1.79	1.91	2.12	7.13	7.44	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	WT1:g	1.81	-0.64	-1.59	1.92	2.22	7.13	7.46	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 5	23	25	51,T	NR-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	WT6:g	1.80	-0.61	-2.16	1.90	2.09	7.15	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	WT5:g	1.80	-0.63	-1.86	1.91	2.17	7.13	7.45	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	WT4:g	1.82	-0.65	-1.65	1.93	2.27	7.14	7.49	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	WT3:g	1.80	-0.60	-2.10	1.89	2.03	7.14	7.42	0.06	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	WT2:g	1.81	-0.62	-1.79	1.91	2.12	7.13	7.44	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	WT1:g	1.81	-0.64	-1.59	1.92	2.22	7.13	7.46	0.07	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	osa6:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	osa5:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	osa4:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	osa3:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	osa2:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 4 Con & Main	0.9	WLA 7	33	35	53,T	NR-	osa1:g	-0.00	-0.11	-1.58	0.11	0.14	-0.00	0.14	-0.00	0.00
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	WT6:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	WT5:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	WT4:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	WT3:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	WT2:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	WT1:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRB	Ba,T	NL+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	WT6:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	WT5:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	WT4:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	WT3:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	WT2:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	WT1:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLB	Ba,T	NL-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	WT6:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	WT5:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	WT4:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	WT3:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	WT2:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	WT1:g	-0.00	0.17	-3.37	0.17	-0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WRA	Ba,T	NR+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	WT6:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	WT5:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	WT4:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	WT3:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	WT2:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	WT1:g	-0.00	-0.17	-3.37	0.17	0.34	-0.01	0.34	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Br. Lc 1a EWL	WLA	Ba,T	NR-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	WRB	Ba,T	NL+	WT6:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	WRB	Ba,T	NL+	WT5:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	WRB	Ba,T	NL+	WT4:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	WRB	Ba,T	NL+	WT3:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	WRB	Ba,T	NL+	WT2:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	0.00	0.00			
OSP673	(110kV)	osp 673	nw380.pol	NL3 Br.	Lc 1b Cold	WRB	Ba,T	NL+	WT1:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00			

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT6:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT5:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT4:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT3:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT2:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	WT1:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT6:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT5:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT4:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT3:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT2:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	WT1:g	-0.00	0.06	-3.37	0.06	-0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT6:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT5:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT4:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT3:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT2:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	WT1:g	-0.00	-0.06	-3.37	0.06	0.12	-0.00	0.12	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	WT6:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	WT5:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	WT4:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	WT3:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	WT2:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	WT1:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	WT6:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	WT5:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	WT4:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	WT3:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	WT2:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	WT1:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	WT6:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	WT5:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	WT4:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	WT3:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	WT2:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	WT1:g	-0.00	0.09	-3.37	0.09	-0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	WT6:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	WT5:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	WT4:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	WT3:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	WT2:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	WT1:g	-0.00	-0.09	-3.37	0.09	0.19	-0.00	0.19	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	WT6:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	WT5:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	WT4:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	WT3:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	WT2:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	WT1:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	osa6:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	osa5:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	osa4:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	osa3:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	osa2:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	osa1:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	WT6:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	WT5:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	WT4:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	WT3:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	WT2:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	WT1:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	osa6:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	osa5:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	osa4:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	osa3:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	osa2:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	osa1:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT6:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT5:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT4:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT3:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT2:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	WT1:g	-0.00	0.05	-3.37	0.05	-0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa6:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa5:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa4:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa3:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa2:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	osa1:g	-0.00	0.03	-2.10	0.03	-0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT6:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT5:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT4:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT3:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT2:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	WT1:g	-0.00	-0.05	-3.37	0.05	0.10	-0.00	0.10	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa6:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa5:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa4:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa3:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa2:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	osa1:g	-0.00	-0.03	-2.10	0.03	0.04	-0.00	0.04	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT6:g	1.95	0.66	-3.35	2.06	-2.32	7.80	8.14	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT5:g	2.07	0.74	-2.90	2.20	-2.62	8.22	8.63	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT4:g	2.24	0.82	-2.46	2.38	-2.95	8.82	9.30	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT3:g	1.95	0.68	-3.28	2.06	-2.37	7.79	8.15	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT2:g	2.08	0.75	-2.81	2.21	-2.67	8.24	8.66	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	WT1:g	2.24	0.83	-2.38	2.39	-2.99	8.83	9.32	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT6:g	1.95	-0.70	-3.35	2.08	2.46	7.83	8.20	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT5:g	2.08	-0.77	-2.89	2.22	2.75	8.25	8.69	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT4:g	2.24	-0.85	-2.45	2.40	3.07	8.85	9.37	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT3:g	1.95	-0.68	-3.28	2.07	2.39	7.80	8.16	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT2:g	2.08	-0.76	-2.81	2.21	2.69	8.24	8.66	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	WT1:g	2.24	-0.84	-2.38	2.39	3.01	8.83	9.33	0.10	0.00

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT6:g	1.95	0.66	-3.35	2.06	-2.32	7.80	8.14	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT5:g	2.07	0.74	-2.90	2.20	-2.62	8.22	8.63	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT4:g	2.24	0.82	-2.46	2.38	-2.95	8.82	9.30	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT3:g	1.95	0.68	-3.28	2.06	-2.37	7.79	8.15	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT2:g	2.08	0.75	-2.81	2.21	-2.67	8.24	8.66	-0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	WT1:g	2.24	0.83	-2.38	2.39	-2.99	8.83	9.32	-0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa6:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa5:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa4:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa3:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa2:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	osa1:g	-0.00	0.11	-2.10	0.11	-0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT6:g	1.95	-0.70	-3.35	2.08	2.46	7.83	8.20	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT5:g	2.08	-0.77	-2.89	2.22	2.75	8.25	8.69	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT4:g	2.24	-0.85	-2.45	2.40	3.07	8.85	9.37	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT3:g	1.95	-0.68	-3.28	2.07	2.39	7.80	8.16	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT2:g	2.08	-0.76	-2.81	2.21	2.69	8.24	8.66	0.09	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	WT1:g	2.24	-0.84	-2.38	2.39	3.01	8.83	9.33	0.10	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa6:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa5:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa4:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa3:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa2:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	osa1:g	-0.00	-0.11	-2.10	0.11	0.13	-0.00	0.13	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT6:g	1.93	0.51	-3.37	2.00	-1.91	7.74	7.97	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT5:g	2.01	0.53	-2.98	2.08	-2.02	7.97	8.22	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT4:g	2.09	0.56	-2.67	2.16	-2.14	8.25	8.53	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT3:g	1.94	0.52	-3.30	2.00	-1.97	7.74	7.98	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT2:g	2.02	0.55	-2.90	2.09	-2.07	8.00	8.26	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	WT1:g	2.10	0.57	-2.59	2.17	-2.18	8.27	8.55	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT6:g	1.94	-0.54	-3.37	2.01	2.05	7.76	8.03	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT5:g	2.01	-0.56	-2.97	2.09	2.14	7.99	8.27	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT4:g	2.09	-0.59	-2.66	2.18	2.25	8.28	8.57	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT3:g	1.94	-0.53	-3.30	2.01	1.99	7.74	7.99	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT2:g	2.02	-0.55	-2.89	2.09	2.09	8.00	8.27	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	WT1:g	2.10	-0.58	-2.59	2.17	2.20	8.27	8.56	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT6:g	1.93	0.51	-3.37	2.00	-1.91	7.74	7.97	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT5:g	2.01	0.53	-2.98	2.08	-2.02	7.97	8.22	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT4:g	2.09	0.56	-2.67	2.16	-2.14	8.25	8.53	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT3:g	1.94	0.52	-3.30	2.00	-1.97	7.74	7.98	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT2:g	2.02	0.55	-2.90	2.09	-2.07	8.00	8.26	-0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	WT1:g	2.10	0.57	-2.59	2.17	-2.18	8.27	8.55	-0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa6:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa5:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa4:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa3:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa2:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	osa1:g	-0.00	0.04	-2.10	0.04	-0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT6:g	1.94	-0.54	-3.37	2.01	2.05	7.76	8.03	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT5:g	2.01	-0.56	-2.97	2.09	2.14	7.99	8.27	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT4:g	2.09	-0.59	-2.66	2.18	2.25	8.28	8.57	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT3:g	1.94	-0.53	-3.30	2.01	1.99	7.74	7.99	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT2:g	2.02	-0.55	-2.89	2.09	2.09	8.00	8.27	0.07	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	WT1:g	2.10	-0.58	-2.59	2.17	2.20	8.27	8.56	0.08	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa6:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa5:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa4:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa3:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa2:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	0.00	0.00
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	osa1:g	-0.00	-0.04	-2.10	0.04	0.05	-0.00	0.05	-0.00	0.00

OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ WT6:g	2.38	0.60	-3.15	2.45	-2.22	9.48	9.74	-0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ WT5:g	2.70	0.69	-2.46	2.78	-2.56	10.67	10.97	-0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ WT4:g	3.07	0.78	-1.75	3.16	-2.92	12.03	12.38	-0.10	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ WT3:g	2.37	0.62	-3.06	2.45	-2.28	9.43	9.70	-0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ WT2:g	2.70	0.70	-2.35	2.79	-2.62	10.65	10.97	-0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ WT1:g	3.07	0.79	-1.65	3.17	-2.98	12.01	12.37	-0.10	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+ osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- WT6:g	2.38	-0.65	-3.14	2.47	2.40	9.51	9.81	0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- WT5:g	2.71	-0.73	-2.45	2.80	2.72	10.70	11.04	0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- WT4:g	3.08	-0.82	-1.74	3.19	3.08	12.07	12.46	0.11	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- WT3:g	2.37	-0.62	-3.06	2.45	2.31	9.43	9.71	0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- WT2:g	2.70	-0.71	-2.35	2.79	2.64	10.65	10.98	0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- WT1:g	3.07	-0.80	-1.64	3.17	3.00	12.01	12.38	0.11	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL- osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ WT6:g	2.38	0.60	-3.15	2.45	-2.22	9.48	9.74	-0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ WT5:g	2.70	0.69	-2.46	2.78	-2.56	10.67	10.97	-0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ WT4:g	3.07	0.78	-1.75	3.16	-2.92	12.03	12.38	-0.10	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ WT3:g	2.37	0.62	-3.06	2.45	-2.28	9.43	9.70	-0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ WT2:g	2.70	0.70	-2.35	2.79	-2.62	10.65	10.97	-0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ WT1:g	3.07	0.79	-1.65	3.17	-2.98	12.01	12.37	-0.10	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ osa6:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ osa5:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ osa4:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ osa3:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ osa2:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+ osa1:g	-0.00	0.06	-2.10	0.06	-0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- WT6:g	2.38	-0.65	-3.14	2.47	2.40	9.51	9.81	0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- WT5:g	2.71	-0.73	-2.45	2.80	2.72	10.70	11.04	0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- WT4:g	3.08	-0.82	-1.74	3.19	3.08	12.07	12.46	0.11	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- WT3:g	2.37	-0.62	-3.06	2.45	2.31	9.43	9.71	0.08	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- WT2:g	2.70	-0.71	-2.35	2.79	2.64	10.65	10.98	0.09	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- WT1:g	3.07	-0.80	-1.64	3.17	3.00	12.01	12.38	0.11	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- osa6:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- osa5:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- osa4:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- osa3:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- osa2:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR- osa1:g	-0.00	-0.06	-2.10	0.06	0.07	-0.00	0.07	-0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ WT6:g	3.08	1.84	-1.23	3.59	-7.37	12.09	14.16	-0.28	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ WT5:g	4.02	2.13	0.50	4.55	-8.52	15.58	17.76	-0.32	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ WT4:g	5.08	2.42	2.49	5.63	-9.67	19.50	21.77	-0.36	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ WT3:g	3.08	1.85	-1.12	3.59	-7.41	12.06	14.15	-0.28	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ WT2:g	4.04	2.15	0.68	4.58	-8.57	15.64	17.84	-0.32	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ WT1:g	5.11	2.44	2.71	5.66	-9.74	19.58	21.87	-0.36	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ osa6:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ osa5:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ osa4:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ osa3:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ osa2:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting -20,T NA+ osa1:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ WT6:g	2.91	1.84	-1.41	3.45	-7.36	11.45	13.61	-0.28	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ WT5:g	3.66	2.13	0.05	4.24	-8.51	14.22	16.57	-0.32	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ WT4:g	4.47	2.42	1.62	5.08	-9.67	17.20	19.73	-0.36	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ WT3:g	2.90	1.85	-1.31	3.44	-7.40	11.39	13.58	-0.28	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ WT2:g	3.66	2.14	0.19	4.24	-8.56	14.20	16.58	-0.32	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ WT1:g	4.46	2.43	1.78	5.08	-9.72	17.15	19.72	-0.36	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ osa6:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ osa5:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ osa4:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ osa3:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ osa2:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00
OSP673 (110kV) osp 673 nw380.pol	Kortsluiting 70,T NA+ osa1:g	0.00	0.00	-1.75	0.00	0.00	0.00	0.00	0.00	0.00

Loads At Insulator Attachments For All Load Cases

Str. No.	Structure Name	Load Case	Insulator Label	Insulator Type	Structure Attach Label	Structure Attach Load X (kN)	Structure Attach Load Y (kN)	Structure Attach Load Z (kN)	Structure Attach Load Res. (kN)
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	C1F1	Strain	WT1:t	-1.771	0.002	-0.682	1.897
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	C1F2	Strain	WT2:t	-1.773	0.002	-0.512	1.846
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	C1F3	Strain	WT3:t	-1.772	0.002	-0.229	1.787
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	C2F1	Strain	WT4:t	-1.773	0.012	-0.624	1.879
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	C2F2	Strain	WT5:t	-1.771	0.013	-0.444	1.826
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	C2F3	Strain	WT6:t	-1.773	0.016	-0.164	1.781
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 10°C GW,T Global	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	C1F1	Strain	WT1:t	-2.824	-0.938	-1.814	3.486
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	C1F2	Strain	WT2:t	-2.405	-0.778	-0.969	2.707
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	C1F3	Strain	WT3:t	-2.093	-0.633	-0.238	2.200
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	C2F1	Strain	WT4:t	-2.815	-0.927	-1.704	3.419
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	C2F2	Strain	WT5:t	-2.395	-0.767	-0.868	2.661
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	C2F3	Strain	WT6:t	-2.094	-0.622	-0.159	2.190
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	C1F1	Strain	WT1:t	-2.826	0.944	-1.816	3.489
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	C1F2	Strain	WT2:t	-2.406	0.783	-0.970	2.710
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	C1F3	Strain	WT3:t	-2.094	0.638	-0.238	2.202
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	C2F1	Strain	WT4:t	-2.825	0.964	-1.717	3.444
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	C2F2	Strain	WT5:t	-2.404	0.804	-0.879	2.683
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	C2F3	Strain	WT6:t	-2.100	0.660	-0.166	2.208
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	C1F1	Strain	WT1:t	-2.824	-0.938	-1.814	3.486
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	C1F2	Strain	WT2:t	-2.405	-0.778	-0.969	2.707
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	C1F3	Strain	WT3:t	-2.093	-0.633	-0.238	2.200
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	C2F1	Strain	WT4:t	-2.815	-0.927	-1.704	3.419
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	C2F2	Strain	WT5:t	-2.395	-0.767	-0.868	2.661
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	C2F3	Strain	WT6:t	-2.094	-0.622	-0.159	2.190
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	C1F1	Strain	WT1:t	-2.826	0.944	-1.816	3.489
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	C1F2	Strain	WT2:t	-2.406	0.783	-0.970	2.710
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	C1F3	Strain	WT3:t	-2.094	0.638	-0.238	2.202
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	C2F1	Strain	WT4:t	-2.825	0.964	-1.717	3.444
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	C2F2	Strain	WT5:t	-2.404	0.804	-0.879	2.683
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	C2F3	Strain	WT6:t	-2.100	0.660	-0.166	2.208
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	C1F1	Strain	WT1:t	-2.824	-0.938	-1.814	3.486
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	C1F2	Strain	WT2:t	-2.405	-0.778	-0.969	2.707
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	C1F3	Strain	WT3:t	-2.093	-0.633	-0.238	2.200
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	C2F1	Strain	WT4:t	-2.815	-0.927	-1.704	3.419
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	C2F2	Strain	WT5:t	-2.395	-0.767	-0.868	2.661
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	C2F3	Strain	WT6:t	-2.094	-0.622	-0.159	2.190
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	C1F1	Strain	WT1:t	-2.826	0.944	-1.816	3.489
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	C1F2	Strain	WT2:t	-2.406	0.783	-0.970	2.710
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	C1F3	Strain	WT3:t	-2.094	0.638	-0.238	2.202
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	C2F1	Strain	WT4:t	-2.825	0.964	-1.717	3.444
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	C2F2	Strain	WT5:t	-2.404	0.804	-0.879	2.683
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	C2F3	Strain	WT6:t	-2.100	0.660	-0.166	2.208
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	C1F1	Strain	WT1:t	-2.123	-0.541	-0.813	2.337
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	C1F2	Strain	WT2:t	-2.032	-0.506	-0.490	2.151
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	C1F3	Strain	WT3:t	-1.944	-0.474	-0.078	2.003
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	C2F1	Strain	WT4:t	-2.116	-0.530	-0.729	2.300
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	C2F2	Strain	WT5:t	-2.022	-0.494	-0.403	2.120
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	C2F3	Strain	WT6:t	-1.942	-0.460	-0.002	1.996
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	C1F1	Strain	WT1:t	-2.124	0.545	-0.814	2.339
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	C1F2	Strain	WT2:t	-2.033	0.510	-0.491	2.153
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	C1F3	Strain	WT3:t	-1.945	0.479	-0.078	2.005
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	C2F1	Strain	WT4:t	-2.122	0.557	-0.738	2.315
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	C2F2	Strain	WT5:t	-2.028	0.525	-0.410	2.134
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	C2F3	Strain	WT6:t	-1.947	0.495	-0.007	2.009
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	C1F1	Strain	WT1:t	-2.123	-0.541	-0.813	2.337
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	C1F2	Strain	WT2:t	-2.032	-0.506	-0.490	2.151
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	C1F3	Strain	WT3:t	-1.944	-0.474	-0.078	2.003
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	C2F1	Strain	WT4:t	-2.116	-0.530	-0.729	2.300
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	C2F2	Strain	WT5:t	-2.022	-0.494	-0.403	2.120
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	C2F3	Strain	WT6:t	-1.942	-0.460	-0.002	1.996
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	C1F1	Strain	WT1:t	-2.124	0.545	-0.814	2.339
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	C1F2	Strain	WT2:t	-2.033	0.510	-0.491	2.153
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	C1F3	Strain	WT3:t	-1.945	0.479	-0.078	2.005
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	C2F1	Strain	WT4:t	-2.122	0.557	-0.738	2.315
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	C2F2	Strain	WT5:t	-2.028	0.525	-0.410	2.134
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	C2F3	Strain	WT6:t	-1.947	0.495	-0.007	2.009
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	C1F1	Strain	WT1:t	-2.123	-0.541	-0.813	2.337
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	C1F2	Strain	WT2:t	-2.032	-0.506	-0.490	2.151
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	C1F3	Strain	WT3:t	-1.944	-0.474	-0.078	2.003
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	C2F1	Strain	WT4:t	-2.116	-0.530	-0.729	2.300
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	C2F2	Strain	WT5:t	-2.022	-0.494	-0.403	2.120
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	C2F3	Strain	WT6:t	-1.942	-0.460	-0.002	1.996
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	C1F1	Strain	WT1:t	-2.124	0.545	-0.814	2.339
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	C1F2	Strain	WT2:t	-2.033	0.510	-0.491	2.153
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	C1F3	Strain	WT3:t	-1.945	0.479	-0.078	2.005
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	C2F1	Strain	WT4:t	-2.122	0.557	-0.738	2.315
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	C2F2	Strain	WT5:t	-2.028	0.525	-0.410	2.134

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	C2F3	Strain	WT6:t	-1.947	0.495	-0.007	2.009
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold	WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	C1F1	Strain	WT1:t	-3.690	-0.850	-2.389	4.477
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	C1F2	Strain	WT2:t	-3.134	-0.716	-1.401	3.507
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	C1F3	Strain	WT3:t	-2.635	-0.594	-0.471	2.742
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	C2F1	Strain	WT4:t	-3.694	-0.833	-2.262	4.411
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	C2F2	Strain	WT5:t	-3.137	-0.699	-1.284	3.461
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	C2F3	Strain	WT6:t	-2.651	-0.577	-0.383	2.740
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	C1F1	Strain	WT1:t	-3.692	0.857	-2.392	4.482
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	C1F2	Strain	WT2:t	-3.135	0.723	-1.402	3.510
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	C1F3	Strain	WT3:t	-2.635	0.600	-0.472	2.744
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	C2F1	Strain	WT4:t	-3.708	0.882	-2.282	4.442
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	C2F2	Strain	WT5:t	-3.148	0.747	-1.299	3.487
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	C2F3	Strain	WT6:t	-2.659	0.626	-0.391	2.759
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	C1F1	Strain	WT1:t	-3.690	-0.850	-2.389	4.477
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	C1F2	Strain	WT2:t	-3.134	-0.716	-1.401	3.507
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	C1F3	Strain	WT3:t	-2.635	-0.594	-0.471	2.742
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	C2F1	Strain	WT4:t	-3.694	-0.833	-2.262	4.411
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	C2F2	Strain	WT5:t	-3.137	-0.699	-1.284	3.461
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	C2F3	Strain	WT6:t	-2.651	-0.577	-0.383	2.740
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	C1F1	Strain	WT1:t	-3.692	0.857	-2.392	4.482
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	C1F2	Strain	WT2:t	-3.135	0.723	-1.402	3.510
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	C1F3	Strain	WT3:t	-2.635	0.600	-0.472	2.744
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	C2F1	Strain	WT4:t	-3.708	0.882	-2.282	4.442
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	C2F2	Strain	WT5:t	-3.148	0.747	-1.299	3.487
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	C2F3	Strain	WT6:t	-2.659	0.626	-0.391	2.759
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	C1F1	Strain	WT1:t	-3.690	-0.850	-2.389	4.477
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	C1F2	Strain	WT2:t	-3.134	-0.716	-1.401	3.507
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	C1F3	Strain	WT3:t	-2.635	-0.594	-0.471	2.742
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	C2F1	Strain	WT4:t	-3.694	-0.833	-2.262	4.411
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	C2F2	Strain	WT5:t	-3.137	-0.699	-1.284	3.461
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	C2F3	Strain	WT6:t	-2.651	-0.577	-0.383	2.740
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	C1F1	Strain	WT1:t	-3.692	0.857	-2.392	4.482
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	C1F2	Strain	WT2:t	-3.135	0.723	-1.402	3.510
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	C1F3	Strain	WT3:t	-2.635	0.600	-0.472	2.744
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	C2F1	Strain	WT4:t	-3.708	0.882	-2.282	4.442
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	C2F2	Strain	WT5:t	-3.148	0.747	-1.299	3.487
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	C2F3	Strain	WT6:t	-2.659	0.626	-0.391	2.759
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	C1F1	Strain	WT1:t	-1.995	-0.486	-0.632	2.149
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	C1F2	Strain	WT2:t	-1.942	-0.455	-0.376	2.030
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	C1F3	Strain	WT3:t	-1.890	-0.426	-0.020	1.938
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	C2F1	Strain	WT4:t	-1.994	-0.475	-0.562	2.126
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	C2F2	Strain	WT5:t	-1.937	-0.443	-0.298	2.009
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	C2F3	Strain	WT6:t	-1.890	-0.412	0.052	1.935
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	C1F1	Strain	WT1:t	-1.996	0.489	-0.633	2.150
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	C1F2	Strain	WT2:t	-1.943	0.459	-0.377	2.032
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	C1F3	Strain	WT3:t	-1.891	0.431	-0.020	1.940
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	C2F1	Strain	WT4:t	-1.999	0.501	-0.569	2.138
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	C2F2	Strain	WT5:t	-1.942	0.472	-0.304	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	C2F3	Strain	WT6:t	-1.895	0.447	0.048	1.947
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	C1F1	Strain	WT1:t	-1.995	-0.486	-0.632	2.149
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	C1F2	Strain	WT2:t	-1.942	-0.455	-0.376	2.030
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	C1F3	Strain	WT3:t	-1.890	-0.426	-0.020	1.938
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	C2F1	Strain	WT4:t	-1.994	-0.475	-0.562	2.126
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	C2F2	Strain	WT5:t	-1.937	-0.443	-0.298	2.009
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	C2F3	Strain	WT6:t	-1.890	-0.412	0.052	1.935
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	C1F1	Strain	WT1:t	-1.996	0.489	-0.633	2.150
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	C1F2	Strain	WT2:t	-1.943	0.459	-0.377	2.032
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	C1F3	Strain	WT3:t	-1.891	0.431	-0.020	1.940
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	C2F1	Strain	WT4:t	-1.999	0.501	-0.569	2.138
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	C2F2	Strain	WT5:t	-1.942	0.472	-0.304	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	C2F3	Strain	WT6:t	-1.895	0.447	0.048	1.947
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	C1F1	Strain	WT1:t	-1.995	-0.486	-0.632	2.149
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	C1F2	Strain	WT2:t	-1.942	-0.455	-0.376	2.030
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	C1F3	Strain	WT3:t	-1.890	-0.426	-0.020	1.938
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	C2F1	Strain	WT4:t	-1.994	-0.475	-0.562	2.126
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	C2F2	Strain	WT5:t	-1.937	-0.443	-0.298	2.009
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	C2F3	Strain	WT6:t	-1.890	-0.412	0.052	1.935
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	C1F1	Strain	WT1:t	-1.996	0.489	-0.633	2.150
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	C1F2	Strain	WT2:t	-1.943	0.459	-0.377	2.032
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	C1F3	Strain	WT3:t	-1.891	0.431	-0.020	1.940
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	C2F1	Strain	WT4:t	-1.999	0.501	-0.569	2.138
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	C2F2	Strain	WT5:t	-1.942	0.472	-0.304	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	C2F3	Strain	WT6:t	-1.895	0.447	0.048	1.947
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	C1F1	Strain	WT1:t	-1.967	0.002	-0.319	1.992
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	C1F2	Strain	WT2:t	-1.921	0.002	-0.087	1.923
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	C1F3	Strain	WT3:t	-1.872	0.002	0.251	1.889
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	C2F1	Strain	WT4:t	-1.972	0.013	-0.258	1.989
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	C2F2	Strain	WT5:t	-1.921	0.015	-0.016	1.921

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	C2F3	Strain	WT6:t	-1.876	0.017	0.318	1.903
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	GW,T Global	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	C1F1	Strain	WT1:t	-2.720	-0.942	-2.218	3.634
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	C1F2	Strain	WT2:t	-2.312	-0.780	-1.377	2.802
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	C1F3	Strain	WT3:t	-2.020	-0.634	-0.663	2.219
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	C2F1	Strain	WT4:t	-2.709	-0.931	-2.110	3.557
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	C2F2	Strain	WT5:t	-2.301	-0.770	-1.280	2.743
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	C2F3	Strain	WT6:t	-2.019	-0.623	-0.586	2.192
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	C1F1	Strain	WT1:t	-2.721	0.947	-2.220	3.637
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	C1F2	Strain	WT2:t	-2.313	0.785	-1.379	2.805
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	C1F3	Strain	WT3:t	-2.021	0.639	-0.664	2.221
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	C2F1	Strain	WT4:t	-2.718	0.967	-2.122	3.581
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	C2F2	Strain	WT5:t	-2.309	0.805	-1.290	2.765
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	C2F3	Strain	WT6:t	-2.025	0.660	-0.593	2.211
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	C1F1	Strain	WT1:t	-2.720	-0.942	-2.218	3.634
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	C1F2	Strain	WT2:t	-2.312	-0.780	-1.377	2.802
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	C1F3	Strain	WT3:t	-2.020	-0.634	-0.663	2.219
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	C2F1	Strain	WT4:t	-2.709	-0.931	-2.110	3.557
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	C2F2	Strain	WT5:t	-2.301	-0.770	-1.280	2.743
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	C2F3	Strain	WT6:t	-2.019	-0.623	-0.586	2.192
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	C1F1	Strain	WT1:t	-2.721	0.947	-2.220	3.637
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	C1F2	Strain	WT2:t	-2.313	0.785	-1.379	2.805
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	C1F3	Strain	WT3:t	-2.021	0.639	-0.664	2.221
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	C2F1	Strain	WT4:t	-2.718	0.967	-2.122	3.581
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	C2F2	Strain	WT5:t	-2.309	0.805	-1.290	2.765
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	C2F3	Strain	WT6:t	-2.025	0.660	-0.593	2.211
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	C1F1	Strain	WT1:t	-2.720	-0.942	-2.218	3.634
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	C1F2	Strain	WT2:t	-2.312	-0.780	-1.377	2.802
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	C1F3	Strain	WT3:t	-2.020	-0.634	-0.663	2.219
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	C2F1	Strain	WT4:t	-2.709	-0.931	-2.110	3.557
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	C2F2	Strain	WT5:t	-2.301	-0.770	-1.280	2.743
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	C2F3	Strain	WT6:t	-2.019	-0.623	-0.586	2.192
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	C1F1	Strain	WT1:t	-2.721	0.947	-2.220	3.637
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	C1F2	Strain	WT2:t	-2.313	0.785	-1.379	2.805
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	C1F3	Strain	WT3:t	-2.021	0.639	-0.664	2.221
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	C2F1	Strain	WT4:t	-2.718	0.967	-2.122	3.581
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	C2F2	Strain	WT5:t	-2.309	0.805	-1.290	2.765
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	C2F3	Strain	WT6:t	-2.025	0.660	-0.593	2.211
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL	0.9 WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1a EWL 0.9 WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	C1F1	Strain	WT1:t	-1.963	-0.542	-1.136	2.332
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	C1F2	Strain	WT2:t	-1.911	-0.507	-0.863	2.157
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	C1F3	Strain	WT3:t	-1.862	-0.474	-0.492	1.983
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	C2F1	Strain	WT4:t	-1.954	-0.531	-1.056	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	C2F2	Strain	WT5:t	-1.899	-0.495	-0.778	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	C2F3	Strain	WT6:t	-1.857	-0.461	-0.418	1.958
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	C1F1	Strain	WT1:t	-1.964	0.545	-1.137	2.334
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	C1F2	Strain	WT2:t	-1.912	0.511	-0.864	2.159
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	C1F3	Strain	WT3:t	-1.862	0.479	-0.493	1.985
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	C2F1	Strain	WT4:t	-1.959	0.557	-1.063	2.298
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	C2F2	Strain	WT5:t	-1.905	0.524	-0.785	2.126
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	C2F3	Strain	WT6:t	-1.862	0.495	-0.423	1.972
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	C1F1	Strain	WT1:t	-1.963	-0.542	-1.136	2.332
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	C1F2	Strain	WT2:t	-1.911	-0.507	-0.863	2.157
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	C1F3	Strain	WT3:t	-1.862	-0.474	-0.492	1.983
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	C2F1	Strain	WT4:t	-1.954	-0.531	-1.056	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	C2F2	Strain	WT5:t	-1.899	-0.495	-0.778	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	C2F3	Strain	WT6:t	-1.857	-0.461	-0.418	1.958
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	C1F1	Strain	WT1:t	-1.964	0.545	-1.137	2.334
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	C1F2	Strain	WT2:t	-1.912	0.511	-0.864	2.159
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	C1F3	Strain	WT3:t	-1.862	0.479	-0.493	1.985
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	C2F1	Strain	WT4:t	-1.959	0.557	-1.063	2.298
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	C2F2	Strain	WT5:t	-1.905	0.524	-0.785	2.126
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	C2F3	Strain	WT6:t	-1.862	0.495	-0.423	1.972
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	C1F1	Strain	WT1:t	-1.963	-0.542	-1.136	2.332
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	C1F2	Strain	WT2:t	-1.911	-0.507	-0.863	2.157
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	C1F3	Strain	WT3:t	-1.862	-0.474	-0.492	1.983
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	C2F1	Strain	WT4:t	-1.954	-0.531	-1.056	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	C2F2	Strain	WT5:t	-1.899	-0.495	-0.778	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	C2F3	Strain	WT6:t	-1.857	-0.461	-0.418	1.958
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	C1F1	Strain	WT1:t	-1.964	0.545	-1.137	2.334
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	C1F2	Strain	WT2:t	-1.912	0.511	-0.864	2.159
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	C1F3	Strain	WT3:t	-1.862	0.479	-0.493	1.985
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	C2F1	Strain	WT4:t	-1.959	0.557	-1.063	2.298
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	C2F2	Strain	WT5:t	-1.905	0.524	-0.785	2.126
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	C2F3	Strain	WT6:t	-1.862	0.495	-0.423	1.972
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 1b Cold 0.9 WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice 0.9 WRB,T NL+	C1F1	Strain	WT1:t	-3.525	-0.852	-2.701	4.522
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice 0.9 WRB,T NL+	C1F2	Strain	WT2:t	-3.003	-0.717	-1.758	3.553
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice 0.9 WRB,T NL+	C1F3	Strain	WT3:t	-2.543	-0.594	-0.875	2.755
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice 0.9 WRB,T NL+	C2F1	Strain	WT4:t	-3.525	-0.836	-2.577	4.446
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice 0.9 WRB,T NL+	C2F2	Strain	WT5:t	-3.004	-0.701	-1.645	3.496

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	C2F3	Strain	WT6:t	-2.557	-0.579	-0.788	2.737
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	C1F1	Strain	WT1:t	-3.527	0.858	-2.704	4.526
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	C1F2	Strain	WT2:t	-3.005	0.723	-1.760	3.557
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	C1F3	Strain	WT3:t	-2.544	0.601	-0.876	2.757
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	C2F1	Strain	WT4:t	-3.539	0.882	-2.596	4.477
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	C2F2	Strain	WT5:t	-3.015	0.747	-1.659	3.521
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	C2F3	Strain	WT6:t	-2.564	0.625	-0.796	2.757
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	C1F1	Strain	WT1:t	-3.525	-0.852	-2.701	4.522
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	C1F2	Strain	WT2:t	-3.003	-0.717	-1.758	3.553
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	C1F3	Strain	WT3:t	-2.543	-0.594	-0.875	2.755
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	C2F1	Strain	WT4:t	-3.525	-0.836	-2.577	4.446
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	C2F2	Strain	WT5:t	-3.004	-0.701	-1.645	3.496
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	C2F3	Strain	WT6:t	-2.557	-0.579	-0.788	2.737
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	C1F1	Strain	WT1:t	-3.527	0.858	-2.704	4.526
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	C1F2	Strain	WT2:t	-3.005	0.723	-1.760	3.557
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	C1F3	Strain	WT3:t	-2.544	0.601	-0.876	2.757
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	C2F1	Strain	WT4:t	-3.539	0.882	-2.596	4.477
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	C2F2	Strain	WT5:t	-3.015	0.747	-1.659	3.521
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	C2F3	Strain	WT6:t	-2.564	0.625	-0.796	2.757
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	C1F1	Strain	WT1:t	-3.525	-0.852	-2.701	4.522
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	C1F2	Strain	WT2:t	-3.003	-0.717	-1.758	3.553
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	C1F3	Strain	WT3:t	-2.543	-0.594	-0.875	2.755
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	C2F1	Strain	WT4:t	-3.525	-0.836	-2.577	4.446
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	C2F2	Strain	WT5:t	-3.004	-0.701	-1.645	3.496
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	C2F3	Strain	WT6:t	-2.557	-0.579	-0.788	2.737
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	C1F1	Strain	WT1:t	-3.527	0.858	-2.704	4.526
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	C1F2	Strain	WT2:t	-3.005	0.723	-1.760	3.557
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	C1F3	Strain	WT3:t	-2.544	0.601	-0.876	2.757
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	C2F1	Strain	WT4:t	-3.539	0.882	-2.596	4.477
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	C2F2	Strain	WT5:t	-3.015	0.747	-1.659	3.521
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	C2F3	Strain	WT6:t	-2.564	0.625	-0.796	2.757
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 3 Wind + ice	0.9 WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	C1F1	Strain	WT1:t	-1.840	-0.486	-0.962	2.133
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	C1F2	Strain	WT2:t	-1.824	-0.455	-0.752	2.025
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	C1F3	Strain	WT3:t	-1.808	-0.426	-0.436	1.908
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	C2F1	Strain	WT4:t	-1.837	-0.477	-0.894	2.098
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	C2F2	Strain	WT5:t	-1.817	-0.444	-0.676	1.989
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	C2F3	Strain	WT6:t	-1.806	-0.413	-0.365	1.888
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	C1F1	Strain	WT1:t	-1.841	0.490	-0.963	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	C1F2	Strain	WT2:t	-1.825	0.459	-0.753	2.026
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	C1F3	Strain	WT3:t	-1.809	0.431	-0.436	1.910
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	C2F1	Strain	WT4:t	-1.842	0.501	-0.901	2.111
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	C2F2	Strain	WT5:t	-1.821	0.472	-0.682	2.001
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	C2F3	Strain	WT6:t	-1.810	0.446	-0.369	1.900
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	C1F1	Strain	WT1:t	-1.840	-0.486	-0.962	2.133
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	C1F2	Strain	WT2:t	-1.824	-0.455	-0.752	2.025
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	C1F3	Strain	WT3:t	-1.808	-0.426	-0.436	1.908
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	C2F1	Strain	WT4:t	-1.837	-0.477	-0.894	2.098
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	C2F2	Strain	WT5:t	-1.817	-0.444	-0.676	1.989
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	C2F3	Strain	WT6:t	-1.806	-0.413	-0.365	1.888
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	C1F1	Strain	WT1:t	-1.841	0.490	-0.963	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	C1F2	Strain	WT2:t	-1.825	0.459	-0.753	2.026
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	C1F3	Strain	WT3:t	-1.809	0.431	-0.436	1.910
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	C2F1	Strain	WT4:t	-1.842	0.501	-0.901	2.111
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	C2F2	Strain	WT5:t	-1.821	0.472	-0.682	2.001
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	C2F3	Strain	WT6:t	-1.810	0.446	-0.369	1.900
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	C1F1	Strain	WT1:t	-1.840	-0.486	-0.962	2.133
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	C1F2	Strain	WT2:t	-1.824	-0.455	-0.752	2.025
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	C1F3	Strain	WT3:t	-1.808	-0.426	-0.436	1.908
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	C2F1	Strain	WT4:t	-1.837	-0.477	-0.894	2.098
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	C2F2	Strain	WT5:t	-1.817	-0.444	-0.676	1.989
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	C2F3	Strain	WT6:t	-1.806	-0.413	-0.365	1.888
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	C1F1	Strain	WT1:t	-1.841	0.490	-0.963	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	C1F2	Strain	WT2:t	-1.825	0.459	-0.753	2.026
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	C1F3	Strain	WT3:t	-1.809	0.431	-0.436	1.910
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	C2F1	Strain	WT4:t	-1.842	0.501	-0.901	2.111
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	C2F2	Strain	WT5:t	-1.821	0.472	-0.682	2.001
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	C2F3	Strain	WT6:t	-1.810	0.446	-0.369	1.900
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	C1F1	Strain	WT1:t	-1.717	0.002	-0.789	1.889
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	C1F2	Strain	WT2:t	-1.732	0.002	-0.636	1.845
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	C1F3	Strain	WT3:t	-1.744	0.002	-0.367	1.782
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	C2F1	Strain	WT4:t	-1.718	0.011	-0.732	1.868
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	C2F2	Strain	WT5:t	-1.729	0.013	-0.569	1.820
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	C2F3	Strain	WT6:t	-1.744	0.016	-0.302	1.770
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL1 Lc 6 Permanent	0.9 GW,T Global	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	C1F1	Strain	WT1:t	-2.245	-0.664	-0.986	2.541
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	C1F2	Strain	WT2:t	-2.081	-0.583	-0.553	2.231
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	C1F3	Strain	WT3:t	-1.953	-0.508	-0.087	2.020
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	C1F1	Strain	WT1:t	-2.245	-0.664	-0.986	2.541
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	C1F2	Strain	WT2:t	-2.081	-0.583	-0.553	2.231
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	C1F3	Strain	WT3:t	-1.953	-0.508	-0.087	2.020
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	C2F1	Strain	WT4:t	-2.241	-0.654	-0.902	2.503
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	C2F2	Strain	WT5:t	-2.074	-0.571	-0.467	2.201
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	C2F3	Strain	WT6:t	-1.953	-0.495	-0.013	2.015
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	C1F1	Strain	WT1:t	-2.246	0.668	-0.988	2.543
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	C1F2	Strain	WT2:t	-2.082	0.587	-0.554	2.233
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	C1F3	Strain	WT3:t	-1.954	0.513	-0.088	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	C1F1	Strain	WT1:t	-2.246	0.668	-0.988	2.543
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	C1F2	Strain	WT2:t	-2.082	0.587	-0.554	2.233
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	C1F3	Strain	WT3:t	-1.954	0.513	-0.088	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	C2F1	Strain	WT4:t	-2.248	0.683	-0.913	2.521
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	C2F2	Strain	WT5:t	-2.081	0.603	-0.476	2.218
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	C2F3	Strain	WT6:t	-1.958	0.531	-0.018	2.029
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	C1F1	Strain	WT1:t	-2.245	-0.664	-0.986	2.541
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	C1F2	Strain	WT2:t	-2.081	-0.583	-0.553	2.231
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	C1F3	Strain	WT3:t	-1.953	-0.508	-0.087	2.020
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	C1F1	Strain	WT1:t	-2.245	-0.664	-0.986	2.541
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	C1F2	Strain	WT2:t	-2.081	-0.583	-0.553	2.231
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	C1F3	Strain	WT3:t	-1.953	-0.508	-0.087	2.020
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	C2F1	Strain	WT4:t	-2.241	-0.654	-0.902	2.503
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	C2F2	Strain	WT5:t	-2.074	-0.571	-0.467	2.201
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	C2F3	Strain	WT6:t	-1.953	-0.495	-0.013	2.015
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	C1F1	Strain	WT1:t	-2.246	0.668	-0.988	2.543
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	C1F2	Strain	WT2:t	-2.082	0.587	-0.554	2.233
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	C1F3	Strain	WT3:t	-1.954	0.513	-0.088	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	C1F1	Strain	WT1:t	-2.246	0.668	-0.988	2.543
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	C1F2	Strain	WT2:t	-2.082	0.587	-0.554	2.233
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	C1F3	Strain	WT3:t	-1.954	0.513	-0.088	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	C2F1	Strain	WT4:t	-2.248	0.683	-0.913	2.521
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	C2F2	Strain	WT5:t	-2.081	0.603	-0.476	2.218
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	C2F3	Strain	WT6:t	-1.958	0.531	-0.018	2.029
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	C1F1	Strain	WT1:t	-2.096	-0.516	-0.775	2.294
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	C1F2	Strain	WT2:t	-2.017	-0.488	-0.471	2.128
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	C1F3	Strain	WT3:t	-1.937	-0.462	-0.070	1.993
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	C1F1	Strain	WT1:t	-2.096	-0.516	-0.775	2.294
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	C1F2	Strain	WT2:t	-2.017	-0.488	-0.471	2.128
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	C1F3	Strain	WT3:t	-1.937	-0.462	-0.070	1.993
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	C2F1	Strain	WT4:t	-2.090	-0.505	-0.693	2.259
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	C2F2	Strain	WT5:t	-2.007	-0.476	-0.385	2.098
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	C2F3	Strain	WT6:t	-1.935	-0.448	0.006	1.986
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB 3 30	32 52,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	C1F1	Strain	WT1:t	-2.097	0.520	-0.777	2.296
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	C1F2	Strain	WT2:t	-2.018	0.493	-0.472	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	C1F3	Strain	WT3:t	-1.938	0.467	-0.070	1.995
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 1 20	22 50,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	C1F1	Strain	WT1:t	-2.097	0.520	-0.777	2.296
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	C1F2	Strain	WT2:t	-2.018	0.493	-0.472	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	C1F3	Strain	WT3:t	-1.938	0.467	-0.070	1.995
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	C2F1	Strain	WT4:t	-2.095	0.532	-0.701	2.273
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	C2F2	Strain	WT5:t	-2.013	0.506	-0.391	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	C2F3	Strain	WT6:t	-1.940	0.483	0.001	1.999
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB 3 30	32 52,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	C1F1	Strain	WT1:t	-2.096	-0.516	-0.775	2.294
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	C1F2	Strain	WT2:t	-2.017	-0.488	-0.471	2.128
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	C1F3	Strain	WT3:t	-1.937	-0.462	-0.070	1.993
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 1 20	22 50,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	C1F1	Strain	WT1:t	-2.096	-0.516	-0.775	2.294
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	C1F2	Strain	WT2:t	-2.017	-0.488	-0.471	2.128
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	C1F3	Strain	WT3:t	-1.937	-0.462	-0.070	1.993
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	C2F1	Strain	WT4:t	-2.090	-0.505	-0.693	2.259
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	C2F2	Strain	WT5:t	-2.007	-0.476	-0.385	2.098

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	C2F3	Strain	WT6:t	-1.935	-0.448	0.006	1.986
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	C1F1	Strain	WT1:t	-2.097	0.520	-0.777	2.296
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	C1F2	Strain	WT2:t	-2.018	0.493	-0.472	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	C1F3	Strain	WT3:t	-1.938	0.467	-0.070	1.995
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	C1F1	Strain	WT1:t	-2.097	0.520	-0.777	2.296
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	C1F2	Strain	WT2:t	-2.018	0.493	-0.472	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	C1F3	Strain	WT3:t	-1.938	0.467	-0.070	1.995
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	C2F1	Strain	WT4:t	-2.095	0.532	-0.701	2.273
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	C2F2	Strain	WT5:t	-2.013	0.506	-0.391	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	C2F3	Strain	WT6:t	-1.940	0.483	0.001	1.999
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	C1F1	Strain	WT1:t	-2.438	-0.605	-1.111	2.746
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	C1F2	Strain	WT2:t	-2.246	-0.540	-0.650	2.400
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	C1F3	Strain	WT3:t	-2.076	-0.481	-0.139	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	C1F1	Strain	WT1:t	-2.438	-0.605	-1.111	2.746
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	C1F2	Strain	WT2:t	-2.246	-0.540	-0.650	2.400
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	C1F3	Strain	WT3:t	-2.076	-0.481	-0.139	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	C2F1	Strain	WT4:t	-2.435	-0.593	-1.022	2.707
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	C2F2	Strain	WT5:t	-2.241	-0.527	-0.559	2.369
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	C2F3	Strain	WT6:t	-2.078	-0.467	-0.062	2.131
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	C1F1	Strain	WT1:t	-2.439	0.609	-1.113	2.749
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	C1F2	Strain	WT2:t	-2.247	0.545	-0.651	2.402
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	C1F3	Strain	WT3:t	-2.077	0.486	-0.140	2.137
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	C1F1	Strain	WT1:t	-2.439	0.609	-1.113	2.749
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	C1F2	Strain	WT2:t	-2.247	0.545	-0.651	2.402
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	C1F3	Strain	WT3:t	-2.077	0.486	-0.140	2.137
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	C2F1	Strain	WT4:t	-2.443	0.625	-1.033	2.725
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	C2F2	Strain	WT5:t	-2.248	0.561	-0.568	2.385
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	C2F3	Strain	WT6:t	-2.084	0.505	-0.068	2.145
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	C1F1	Strain	WT1:t	-2.438	-0.605	-1.111	2.746
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	C1F2	Strain	WT2:t	-2.246	-0.540	-0.650	2.400
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	C1F3	Strain	WT3:t	-2.076	-0.481	-0.139	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	C1F1	Strain	WT1:t	-2.438	-0.605	-1.111	2.746
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	C1F2	Strain	WT2:t	-2.246	-0.540	-0.650	2.400
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	C1F3	Strain	WT3:t	-2.076	-0.481	-0.139	2.135
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	C2F1	Strain	WT4:t	-2.435	-0.593	-1.022	2.707
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	C2F2	Strain	WT5:t	-2.241	-0.527	-0.559	2.369
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	C2F3	Strain	WT6:t	-2.078	-0.467	-0.062	2.131
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	C1F1	Strain	WT1:t	-2.439	0.609	-1.113	2.749
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	C1F2	Strain	WT2:t	-2.247	0.545	-0.651	2.402
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	C1F3	Strain	WT3:t	-2.077	0.486	-0.140	2.137
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	C1F1	Strain	WT1:t	-2.439	0.609	-1.113	2.749
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	C1F2	Strain	WT2:t	-2.247	0.545	-0.651	2.402
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	C1F3	Strain	WT3:t	-2.077	0.486	-0.140	2.137
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	C2F1	Strain	WT4:t	-2.443	0.625	-1.033	2.725
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	C2F2	Strain	WT5:t	-2.248	0.561	-0.568	2.385
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	C2F3	Strain	WT6:t	-2.084	0.505	-0.068	2.145
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	C1F1	Strain	WT1:t	-1.975	-0.464	-0.603	2.116
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	C1F2	Strain	WT2:t	-1.930	-0.439	-0.361	2.012
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	C1F3	Strain	WT3:t	-1.885	-0.416	-0.013	1.930
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	C1F1	Strain	WT1:t	-1.975	-0.464	-0.603	2.116
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	C1F2	Strain	WT2:t	-1.930	-0.439	-0.361	2.012
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	C1F3	Strain	WT3:t	-1.885	-0.416	-0.013	1.930
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	C2F1	Strain	WT4:t	-1.974	-0.453	-0.534	2.095
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	C2F2	Strain	WT5:t	-1.925	-0.427	-0.284	1.992
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	C2F3	Strain	WT6:t	-1.884	-0.402	0.058	1.927
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	C1F1	Strain	WT1:t	-1.975	0.467	-0.604	2.117
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	C1F2	Strain	WT2:t	-1.931	0.443	-0.362	2.014
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	C1F3	Strain	WT3:t	-1.885	0.420	-0.014	1.932
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	C1F1	Strain	WT1:t	-1.975	0.467	-0.604	2.117
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	C1F2	Strain	WT2:t	-1.931	0.443	-0.362	2.014
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	C1F3	Strain	WT3:t	-1.885	0.420	-0.014	1.932
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	C2F1	Strain	WT4:t	-1.979	0.479	-0.540	2.106
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	C2F2	Strain	WT5:t	-1.930	0.456	-0.289	2.004
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	C2F3	Strain	WT6:t	-1.889	0.436	0.054	1.939
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	C1F1	Strain	WT1:t	-1.975	-0.464	-0.603	2.116
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	C1F2	Strain	WT2:t	-1.930	-0.439	-0.361	2.012
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	C1F3	Strain	WT3:t	-1.885	-0.416	-0.013	1.930
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	C1F1	Strain	WT1:t	-1.975	-0.464	-0.603	2.116
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	C1F2	Strain	WT2:t	-1.930	-0.439	-0.361	2.012
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	C1F3	Strain	WT3:t	-1.885	-0.416	-0.013	1.930
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	C2F1	Strain	WT4:t	-1.974	-0.453	-0.534	2.095
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	C2F2	Strain	WT5:t	-1.925	-0.427	-0.284	1.992
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	C2F3	Strain	WT6:t	-1.884	-0.402	0.058	1.927
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	C1F1	Strain	WT1:t	-1.975	0.467	-0.604	2.117
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	C1F2	Strain	WT2:t	-1.931	0.443	-0.362	2.014
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	C1F3	Strain	WT3:t	-1.885	0.420	-0.014	1.932
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	C1F1	Strain	WT1:t	-1.975	0.467	-0.604	2.117
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	C1F2	Strain	WT2:t	-1.931	0.443	-0.362	2.014
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	C1F3	Strain	WT3:t	-1.885	0.420	-0.014	1.932
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	C2F1	Strain	WT4:t	-1.979	0.479	-0.540	2.106
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	C2F2	Strain	WT5:t	-1.930	0.456	-0.289	2.004
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	C2F3	Strain	WT6:t	-1.889	0.436	0.054	1.939
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	C1F1	Strain	WT1:t	-2.110	-0.666	-1.344	2.589
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	C1F2	Strain	WT2:t	-1.972	-0.584	-0.940	2.261
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	C1F3	Strain	WT3:t	-1.874	-0.509	-0.506	2.007
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	C2F1	Strain	WT4:t	-2.103	-0.657	-1.263	2.539
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	C2F2	Strain	WT5:t	-1.963	-0.573	-0.857	2.217
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	C2F3	Strain	WT6:t	-1.871	-0.497	-0.433	1.984
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000

OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	5	23	25	51,T	NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	C1F1	Strain	WT1:t	-2.110	-0.666	-1.344	2.589
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	C1F2	Strain	WT2:t	-1.972	-0.584	-0.940	2.261
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	C1F3	Strain	WT3:t	-1.874	-0.509	-0.506	2.007
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	C2F1	Strain	WT4:t	-2.103	-0.657	-1.263	2.539
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	C2F2	Strain	WT5:t	-1.963	-0.573	-0.857	2.217
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	C2F3	Strain	WT6:t	-1.871	-0.497	-0.433	1.984
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRB	7	33	35	53,T	NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	C1F1	Strain	WT1:t	-2.111	0.670	-1.346	2.591
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	C1F2	Strain	WT2:t	-1.973	0.588	-0.941	2.263
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	C1F3	Strain	WT3:t	-1.875	0.514	-0.507	2.009
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	C2F1	Strain	WT4:t	-2.110	0.684	-1.273	2.557
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	C2F2	Strain	WT5:t	-1.969	0.603	-0.865	2.233
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	C2F3	Strain	WT6:t	-1.877	0.531	-0.439	1.999
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	5	23	25	51,T	NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	C1F1	Strain	WT1:t	-2.111	0.670	-1.346	2.591
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	C1F2	Strain	WT2:t	-1.973	0.588	-0.941	2.263
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	C1F3	Strain	WT3:t	-1.875	0.514	-0.507	2.009
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	C2F1	Strain	WT4:t	-2.110	0.684	-1.273	2.557
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	C2F2	Strain	WT5:t	-1.969	0.603	-0.865	2.233
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	C2F3	Strain	WT6:t	-1.877	0.531	-0.439	1.999
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLB	7	33	35	53,T	NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	C1F1	Strain	WT1:t	-2.110	-0.666	-1.344	2.589
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	C1F2	Strain	WT2:t	-1.972	-0.584	-0.940	2.261
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	C1F3	Strain	WT3:t	-1.874	-0.509	-0.506	2.007
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	C2F1	Strain	WT4:t	-2.103	-0.657	-1.263	2.539
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	C2F2	Strain	WT5:t	-1.963	-0.573	-0.857	2.217
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	C2F3	Strain	WT6:t	-1.871	-0.497	-0.433	1.984
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	5	23	25	51,T	NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	C1F1	Strain	WT1:t	-2.110	-0.666	-1.344	2.589
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	C1F2	Strain	WT2:t	-1.972	-0.584	-0.940	2.261
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	C1F3	Strain	WT3:t	-1.874	-0.509	-0.506	2.007
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	C2F1	Strain	WT4:t	-2.103	-0.657	-1.263	2.539
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	C2F2	Strain	WT5:t	-1.963	-0.573	-0.857	2.217
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	C2F3	Strain	WT6:t	-1.871	-0.497	-0.433	1.984
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35	53,T	NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	C1F1	Strain	WT1:t	-2.111	0.670	-1.346	2.591
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	C1F2	Strain	WT2:t	-1.973	0.588	-0.941	2.263
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	C1F3	Strain	WT3:t	-1.875	0.514	-0.507	2.009
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	C2F1	Strain	WT4:t	-2.110	0.684	-1.273	2.557
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	C2F2	Strain	WT5:t	-1.969	0.603	-0.865	2.233
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	C2F3	Strain	WT6:t	-1.877	0.531	-0.439	1.999
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25	51,T	NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	C1F1	Strain	WT1:t	-2.111	0.670	-1.346	2.591
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	C1F2	Strain	WT2:t	-1.973	0.588	-0.941	2.263
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	C1F3	Strain	WT3:t	-1.875	0.514	-0.507	2.009
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	C2F1	Strain	WT4:t	-2.110	0.684	-1.273	2.557
OSP673	(110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35	53,T	NR-	C2F2	Strain	WT5:t	-1.969	0.603	-0.865	2.233

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	C2F3	Strain	WT6:t	-1.877	0.531	-0.439	1.999
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	C1F1	Strain	WT1:t	-1.934	-0.517	-1.095	2.282
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	C1F2	Strain	WT2:t	-1.895	-0.489	-0.842	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	C1F3	Strain	WT3:t	-1.854	-0.463	-0.484	1.971
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	C2F1	Strain	WT4:t	-1.925	-0.507	-1.017	2.235
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	C2F2	Strain	WT5:t	-1.883	-0.477	-0.759	2.086
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	C2F3	Strain	WT6:t	-1.849	-0.449	-0.410	1.946
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	C1F1	Strain	WT1:t	-1.934	-0.517	-1.095	2.282
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	C1F2	Strain	WT2:t	-1.895	-0.489	-0.842	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	C1F3	Strain	WT3:t	-1.854	-0.463	-0.484	1.971
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	C2F1	Strain	WT4:t	-1.925	-0.507	-1.017	2.235
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	C2F2	Strain	WT5:t	-1.883	-0.477	-0.759	2.086
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	C2F3	Strain	WT6:t	-1.849	-0.449	-0.410	1.946
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	C1F1	Strain	WT1:t	-1.935	0.520	-1.096	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	C1F2	Strain	WT2:t	-1.896	0.493	-0.843	2.132
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	C1F3	Strain	WT3:t	-1.855	0.467	-0.485	1.973
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	C2F1	Strain	WT4:t	-1.931	0.532	-1.024	2.249
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	C2F2	Strain	WT5:t	-1.888	0.506	-0.765	2.099
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	C2F3	Strain	WT6:t	-1.854	0.483	-0.415	1.960
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	C1F1	Strain	WT1:t	-1.935	0.520	-1.096	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	C1F2	Strain	WT2:t	-1.896	0.493	-0.843	2.132
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	C1F3	Strain	WT3:t	-1.855	0.467	-0.485	1.973
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	C2F1	Strain	WT4:t	-1.931	0.532	-1.024	2.249
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	C2F2	Strain	WT5:t	-1.888	0.506	-0.765	2.099
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	C2F3	Strain	WT6:t	-1.854	0.483	-0.415	1.960
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	C1F1	Strain	WT1:t	-1.934	-0.517	-1.095	2.282
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	C1F2	Strain	WT2:t	-1.895	-0.489	-0.842	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	C1F3	Strain	WT3:t	-1.854	-0.463	-0.484	1.971
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	C2F1	Strain	WT4:t	-1.925	-0.507	-1.017	2.235
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	C2F2	Strain	WT5:t	-1.883	-0.477	-0.759	2.086
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	C2F3	Strain	WT6:t	-1.849	-0.449	-0.410	1.946
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	C1F1	Strain	WT1:t	-1.934	-0.517	-1.095	2.282
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	C1F2	Strain	WT2:t	-1.895	-0.489	-0.842	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	C1F3	Strain	WT3:t	-1.854	-0.463	-0.484	1.971
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	C2F1	Strain	WT4:t	-1.925	-0.507	-1.017	2.235
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	C2F2	Strain	WT5:t	-1.883	-0.477	-0.759	2.086
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	C2F3	Strain	WT6:t	-1.849	-0.449	-0.410	1.946
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35	53,T	NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	C1F1	Strain	WT1:t	-1.935	0.520	-1.096	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	C1F2	Strain	WT2:t	-1.896	0.493	-0.843	2.132
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	C1F3	Strain	WT3:t	-1.855	0.467	-0.485	1.973
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	C2F1	Strain	WT4:t	-1.931	0.532	-1.024	2.249
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	C2F2	Strain	WT5:t	-1.888	0.506	-0.765	2.099
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	C2F3	Strain	WT6:t	-1.854	0.483	-0.415	1.960
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	C1F1	Strain	WT1:t	-1.935	0.520	-1.096	2.283
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	C1F2	Strain	WT2:t	-1.896	0.493	-0.843	2.132
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	C1F3	Strain	WT3:t	-1.855	0.467	-0.485	1.973
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	C2F1	Strain	WT4:t	-1.931	0.532	-1.024	2.249
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	C2F2	Strain	WT5:t	-1.888	0.506	-0.765	2.099
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	C2F3	Strain	WT6:t	-1.854	0.483	-0.415	1.960
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	C1F1	Strain	WT1:t	-2.749	-0.594	-1.816	3.347
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	C1F2	Strain	WT2:t	-2.486	-0.532	-1.263	2.839
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	C1F3	Strain	WT3:t	-2.241	-0.476	-0.666	2.386
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	C2F1	Strain	WT4:t	-2.752	-0.581	-1.722	3.297
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	C2F2	Strain	WT5:t	-2.485	-0.518	-1.168	2.795
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	C2F3	Strain	WT6:t	-2.249	-0.460	-0.587	2.370
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	C1F1	Strain	WT1:t	-2.749	-0.594	-1.816	3.347
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	C1F2	Strain	WT2:t	-2.486	-0.532	-1.263	2.839
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	C1F3	Strain	WT3:t	-2.241	-0.476	-0.666	2.386
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	C2F1	Strain	WT4:t	-2.752	-0.581	-1.722	3.297
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	C2F2	Strain	WT5:t	-2.485	-0.518	-1.168	2.795
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	C2F3	Strain	WT6:t	-2.249	-0.460	-0.587	2.370
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	C1F1	Strain	WT1:t	-2.750	0.599	-1.817	3.350
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	C1F2	Strain	WT2:t	-2.487	0.538	-1.264	2.842
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	C1F3	Strain	WT3:t	-2.242	0.482	-0.667	2.388
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	C2F1	Strain	WT4:t	-2.760	0.616	-1.733	3.316
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	C2F2	Strain	WT5:t	-2.493	0.556	-1.177	2.812
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	C2F3	Strain	WT6:t	-2.255	0.501	-0.592	2.384
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	C1F1	Strain	WT1:t	-2.750	0.599	-1.817	3.350
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	C1F2	Strain	WT2:t	-2.487	0.538	-1.264	2.842
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	C1F3	Strain	WT3:t	-2.242	0.482	-0.667	2.388
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	C2F1	Strain	WT4:t	-2.760	0.616	-1.733	3.316
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	C2F2	Strain	WT5:t	-2.493	0.556	-1.177	2.812
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	C2F3	Strain	WT6:t	-2.255	0.501	-0.592	2.384
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	C1F1	Strain	WT1:t	-2.749	-0.594	-1.816	3.347
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	C1F2	Strain	WT2:t	-2.486	-0.532	-1.263	2.839
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	C1F3	Strain	WT3:t	-2.241	-0.476	-0.666	2.386
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	C2F1	Strain	WT4:t	-2.752	-0.581	-1.722	3.297
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	C2F2	Strain	WT5:t	-2.485	-0.518	-1.168	2.795

OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	C2F3	Strain	WT6:t	-2.249	-0.460	-0.587	2.370
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	5	23	25	51,T	NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	C1F1	Strain	WT1:t	-2.749	-0.594	-1.816	3.347
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	C1F2	Strain	WT2:t	-2.486	-0.532	-1.263	2.839
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	C1F3	Strain	WT3:t	-2.241	-0.476	-0.666	2.386
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	C2F1	Strain	WT4:t	-2.752	-0.581	-1.722	3.297
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	C2F2	Strain	WT5:t	-2.485	-0.518	-1.168	2.795
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	C2F3	Strain	WT6:t	-2.249	-0.460	-0.587	2.370
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WRA	7	33	35	53,T	NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	C1F1	Strain	WT1:t	-2.750	0.599	-1.817	3.350
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	C1F2	Strain	WT2:t	-2.487	0.538	-1.264	2.842
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	C1F3	Strain	WT3:t	-2.242	0.482	-0.667	2.388
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	C2F1	Strain	WT4:t	-2.760	0.616	-1.733	3.316
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	C2F2	Strain	WT5:t	-2.493	0.556	-1.177	2.812
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	C2F3	Strain	WT6:t	-2.255	0.501	-0.592	2.384
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	5	23	25	51,T	NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	C1F1	Strain	WT1:t	-2.750	0.599	-1.817	3.350
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	C1F2	Strain	WT2:t	-2.487	0.538	-1.264	2.842
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	C1F3	Strain	WT3:t	-2.242	0.482	-0.667	2.388
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	C2F1	Strain	WT4:t	-2.760	0.616	-1.733	3.316
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	C2F2	Strain	WT5:t	-2.493	0.556	-1.177	2.812
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	C2F3	Strain	WT6:t	-2.255	0.501	-0.592	2.384
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 3	Wind + ice	0.9	WLA	7	33	35	53,T	NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	C1F1	Strain	WT1:t	-1.818	-0.464	-0.931	2.094
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	C1F2	Strain	WT2:t	-1.811	-0.439	-0.735	2.004
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	C1F3	Strain	WT3:t	-1.802	-0.416	-0.429	1.899
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	C2F1	Strain	WT4:t	-1.815	-0.455	-0.864	2.061
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	C2F2	Strain	WT5:t	-1.804	-0.428	-0.661	1.968
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	C2F3	Strain	WT6:t	-1.799	-0.402	-0.359	1.878
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	5	23	25	51,T	NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	C1F1	Strain	WT1:t	-1.818	-0.464	-0.931	2.094
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	C1F2	Strain	WT2:t	-1.811	-0.439	-0.735	2.004
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	C1F3	Strain	WT3:t	-1.802	-0.416	-0.429	1.899
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	C2F1	Strain	WT4:t	-1.815	-0.455	-0.864	2.061
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	C2F2	Strain	WT5:t	-1.804	-0.428	-0.661	1.968
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	C2F3	Strain	WT6:t	-1.799	-0.402	-0.359	1.878
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WRB	7	33	35	53,T	NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	C1F1	Strain	WT1:t	-1.818	0.467	-0.932	2.096
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	C1F2	Strain	WT2:t	-1.812	0.443	-0.736	2.005
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	C1F3	Strain	WT3:t	-1.803	0.420	-0.430	1.900
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	C2F1	Strain	WT4:t	-1.819	0.478	-0.870	2.073
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	C2F2	Strain	WT5:t	-1.808	0.456	-0.666	1.980
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	C2F3	Strain	WT6:t	-1.804	0.435	-0.363	1.891
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4	Con & Main	0.9	WLB	5	23	25	51,T	NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 5 23 25 51,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	C1F1	Strain	WT1:t	-1.818	0.467	-0.932	2.096
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	C1F2	Strain	WT2:t	-1.812	0.443	-0.736	2.005
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	C1F3	Strain	WT3:t	-1.803	0.420	-0.430	1.900
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	C2F1	Strain	WT4:t	-1.819	0.478	-0.870	2.073
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	C2F2	Strain	WT5:t	-1.808	0.456	-0.666	1.980
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	C2F3	Strain	WT6:t	-1.804	0.435	-0.363	1.891
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLB 7 33 35 53,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	C1F1	Strain	WT1:t	-1.818	-0.464	-0.931	2.094
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	C1F2	Strain	WT2:t	-1.811	-0.439	-0.735	2.004
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	C1F3	Strain	WT3:t	-1.802	-0.416	-0.429	1.899
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	C2F1	Strain	WT4:t	-1.815	-0.455	-0.864	2.061
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	C2F2	Strain	WT5:t	-1.804	-0.428	-0.661	1.968
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	C2F3	Strain	WT6:t	-1.799	-0.402	-0.359	1.878
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 5 23 25 51,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	C1F1	Strain	WT1:t	-1.818	-0.464	-0.931	2.094
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	C1F2	Strain	WT2:t	-1.811	-0.439	-0.735	2.004
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	C1F3	Strain	WT3:t	-1.802	-0.416	-0.429	1.899
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	C2F1	Strain	WT4:t	-1.815	-0.455	-0.864	2.061
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	C2F2	Strain	WT5:t	-1.804	-0.428	-0.661	1.968
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	C2F3	Strain	WT6:t	-1.799	-0.402	-0.359	1.878
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WRA 7 33 35 53,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	C1F1	Strain	WT1:t	-1.818	0.467	-0.932	2.096
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	C1F2	Strain	WT2:t	-1.812	0.443	-0.736	2.005
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	C1F3	Strain	WT3:t	-1.803	0.420	-0.430	1.900
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	C2F1	Strain	WT4:t	-1.819	0.478	-0.870	2.073
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	C2F2	Strain	WT5:t	-1.808	0.456	-0.666	1.980
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	C2F3	Strain	WT6:t	-1.804	0.435	-0.363	1.891
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 5 23 25 51,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	C1F1	Strain	WT1:t	-1.818	0.467	-0.932	2.096
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	C1F2	Strain	WT2:t	-1.812	0.443	-0.736	2.005
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	C1F3	Strain	WT3:t	-1.803	0.420	-0.430	1.900
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	C2F1	Strain	WT4:t	-1.819	0.478	-0.870	2.073
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	C2F2	Strain	WT5:t	-1.808	0.456	-0.666	1.980
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	C2F3	Strain	WT6:t	-1.804	0.435	-0.363	1.891
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol NL3 Br.	Lc 4 Con & Main 0.9 WLA 7 33 35 53,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRB Ba,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000

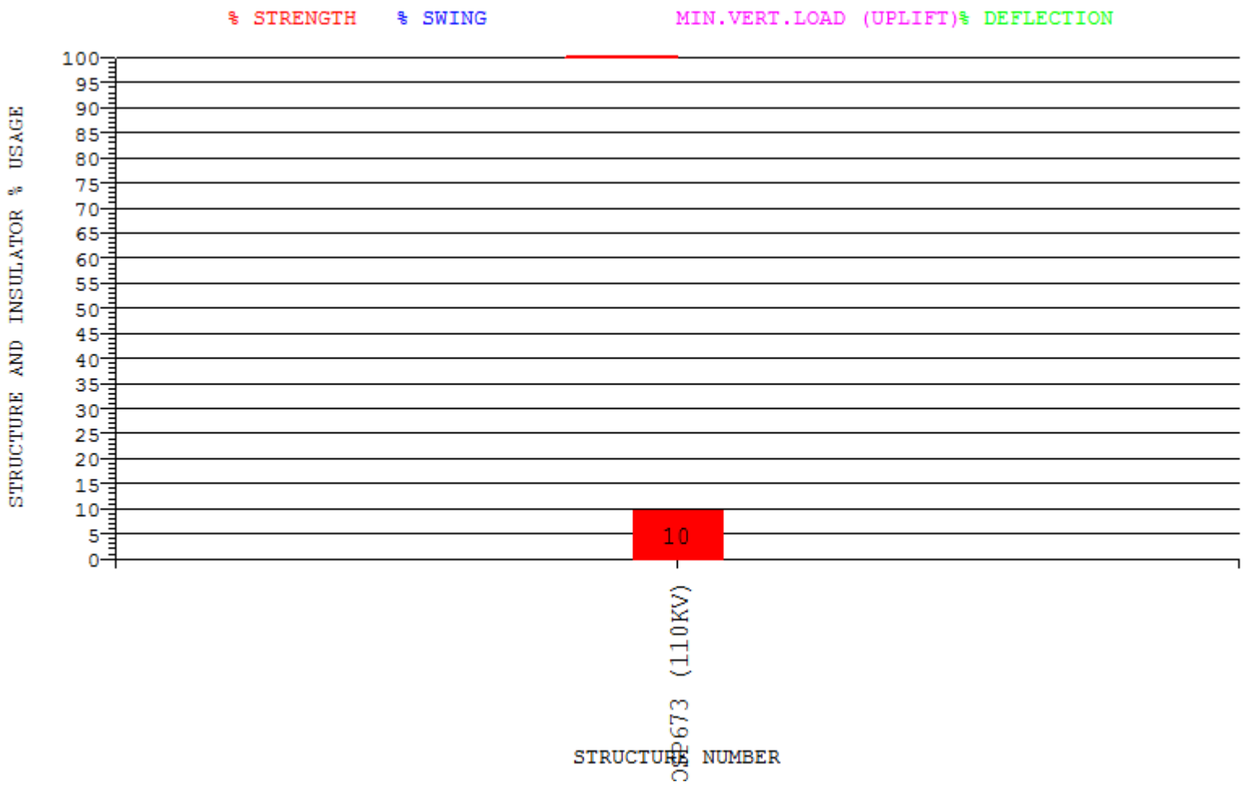
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLB Ba,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ba,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ba,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ba,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000

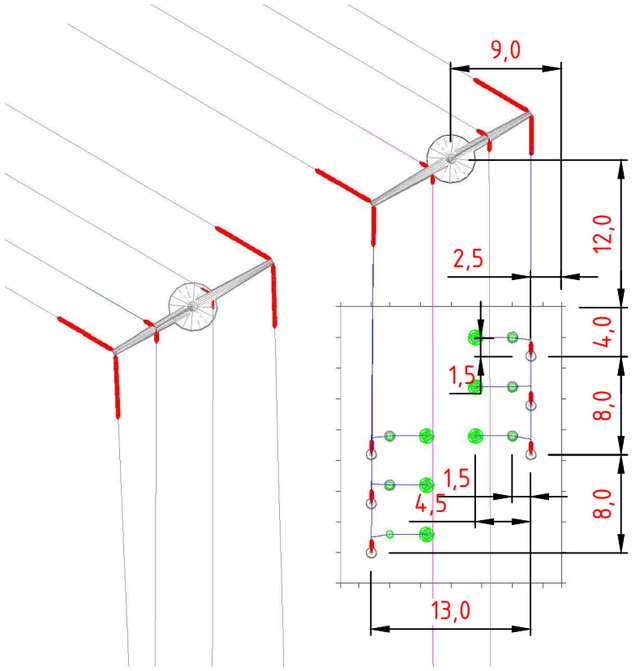
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ba,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000

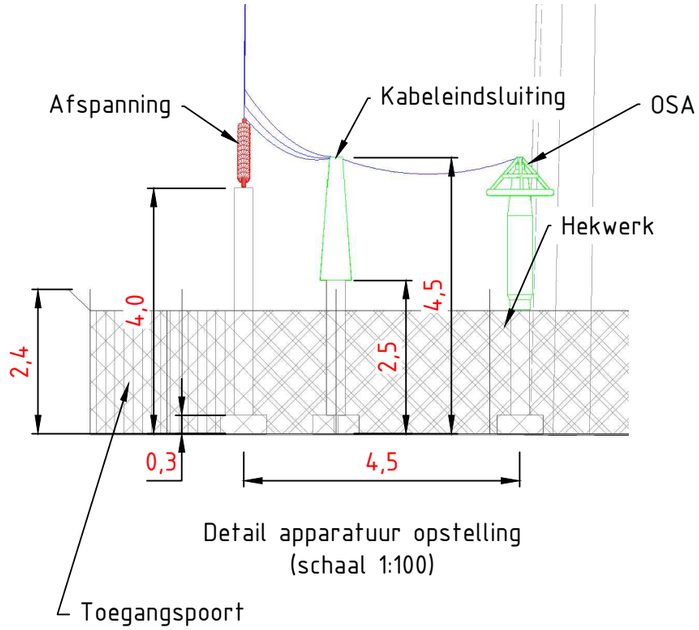
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	C1F1	Strain	WT1:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	C1F2	Strain	WT2:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	C1F3	Strain	WT3:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	C2F1	Strain	WT4:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	C2F2	Strain	WT5:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	C2F3	Strain	WT6:t	0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	C1F1	Strain	WT1:t	-2.245	-0.664	-0.986	2.541
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	C1F2	Strain	WT2:t	-2.081	-0.583	-0.553	2.231
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	C1F3	Strain	WT3:t	-1.953	-0.508	-0.087	2.020
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	C2F1	Strain	WT4:t	-2.241	-0.654	-0.902	2.503
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	C2F2	Strain	WT5:t	-2.074	-0.571	-0.467	2.201
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	C2F3	Strain	WT6:t	-1.953	-0.495	-0.013	2.015
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRB Ah,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	C1F1	Strain	WT1:t	-2.246	0.668	-0.988	2.543
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	C1F2	Strain	WT2:t	-2.082	0.587	-0.554	2.233
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	C1F3	Strain	WT3:t	-1.954	0.513	-0.088	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	C2F1	Strain	WT4:t	-2.248	0.683	-0.913	2.521
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	C2F2	Strain	WT5:t	-2.081	0.603	-0.476	2.218
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	C2F3	Strain	WT6:t	-1.958	0.531	-0.018	2.029
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLB Ah,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	C1F1	Strain	WT1:t	-2.245	-0.664	-0.986	2.541
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	C1F2	Strain	WT2:t	-2.081	-0.583	-0.553	2.231
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	C1F3	Strain	WT3:t	-1.953	-0.508	-0.087	2.020
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	C2F1	Strain	WT4:t	-2.241	-0.654	-0.902	2.503
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	C2F2	Strain	WT5:t	-2.074	-0.571	-0.467	2.201
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	C2F3	Strain	WT6:t	-1.953	-0.495	-0.013	2.015
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WRA Ah,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	C1F1	Strain	WT1:t	-2.246	0.668	-0.988	2.543
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	C1F2	Strain	WT2:t	-2.082	0.587	-0.554	2.233
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	C1F3	Strain	WT3:t	-1.954	0.513	-0.088	2.022
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	C2F1	Strain	WT4:t	-2.248	0.683	-0.913	2.521
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	C2F2	Strain	WT5:t	-2.081	0.603	-0.476	2.218
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	C2F3	Strain	WT6:t	-1.958	0.531	-0.018	2.029
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1a EWL WLA Ah,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	C1F1	Strain	WT1:t	-2.096	-0.516	-0.775	2.294
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	C1F2	Strain	WT2:t	-2.017	-0.488	-0.471	2.128
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	C1F3	Strain	WT3:t	-1.937	-0.462	-0.070	1.993
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	C2F1	Strain	WT4:t	-2.090	-0.505	-0.693	2.259
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	C2F2	Strain	WT5:t	-2.007	-0.476	-0.385	2.098
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	C2F3	Strain	WT6:t	-1.935	-0.448	0.006	1.986
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRB Ah,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	C1F1	Strain	WT1:t	-2.097	0.520	-0.777	2.296
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	C1F2	Strain	WT2:t	-2.018	0.493	-0.472	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	C1F3	Strain	WT3:t	-1.938	0.467	-0.070	1.995
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	C2F1	Strain	WT4:t	-2.095	0.532	-0.701	2.273
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	C2F2	Strain	WT5:t	-2.013	0.506	-0.391	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	C2F3	Strain	WT6:t	-1.940	0.483	0.001	1.999
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLB Ah,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	C1F1	Strain	WT1:t	-2.096	-0.516	-0.775	2.294
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	C1F2	Strain	WT2:t	-2.017	-0.488	-0.471	2.128
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	C1F3	Strain	WT3:t	-1.937	-0.462	-0.070	1.993
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	C2F1	Strain	WT4:t	-2.090	-0.505	-0.693	2.259
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	C2F2	Strain	WT5:t	-2.007	-0.476	-0.385	2.098
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	C2F3	Strain	WT6:t	-1.935	-0.448	0.006	1.986
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WRA Ah,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	C1F1	Strain	WT1:t	-2.097	0.520	-0.777	2.296
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	C1F2	Strain	WT2:t	-2.018	0.493	-0.472	2.130
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	C1F3	Strain	WT3:t	-1.938	0.467	-0.070	1.995
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	C2F1	Strain	WT4:t	-2.095	0.532	-0.701	2.273
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	C2F2	Strain	WT5:t	-2.013	0.506	-0.391	2.112
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	C2F3	Strain	WT6:t	-1.940	0.483	0.001	1.999
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 1b Cold WLA Ah,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	C1F1	Strain	WT1:t	-3.068	-0.699	-1.720	3.586
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	C1F2	Strain	WT2:t	-2.702	-0.607	-1.013	2.948
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	C1F3	Strain	WT3:t	-2.370	-0.524	-0.302	2.445
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	C2F1	Strain	WT4:t	-3.070	-0.684	-1.614	3.535
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	C2F2	Strain	WT5:t	-2.701	-0.592	-0.910	2.912
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	C2F3	Strain	WT6:t	-2.380	-0.508	-0.219	2.443
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	C1F1	Strain	WT1:t	-3.069	0.704	-1.721	3.588
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	C1F2	Strain	WT2:t	-2.702	0.613	-1.014	2.951
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	C1F3	Strain	WT3:t	-2.371	0.530	-0.303	2.448
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	C2F1	Strain	WT4:t	-3.081	0.724	-1.629	3.559
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	C2F2	Strain	WT5:t	-2.710	0.634	-0.921	2.931
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	C2F3	Strain	WT6:t	-2.387	0.552	-0.226	2.460
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	C1F1	Strain	WT1:t	-3.068	-0.699	-1.720	3.586
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	C1F2	Strain	WT2:t	-2.702	-0.607	-1.013	2.948
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	C1F3	Strain	WT3:t	-2.370	-0.524	-0.302	2.445
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	C2F1	Strain	WT4:t	-3.070	-0.684	-1.614	3.535
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	C2F2	Strain	WT5:t	-2.701	-0.592	-0.910	2.912
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	C2F3	Strain	WT6:t	-2.380	-0.508	-0.219	2.443
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	1	Post	osa1:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	2	Post	osa2:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	3	Post	osa3:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	4	Post	osa4:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	5	Post	osa5:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	6	Post	osa6:t	-0.000	0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	C1F1	Strain	WT1:t	-3.069	0.704	-1.721	3.588
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	C1F2	Strain	WT2:t	-2.702	0.613	-1.014	2.951
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	C1F3	Strain	WT3:t	-2.371	0.530	-0.303	2.448
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	C2F1	Strain	WT4:t	-3.081	0.724	-1.629	3.559
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	C2F2	Strain	WT5:t	-2.710	0.634	-0.921	2.931

OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	C2F3	Strain	WT6:t	-2.387	0.552	-0.226	2.460
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	1	Post	osa1:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	2	Post	osa2:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	3	Post	osa3:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	4	Post	osa4:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	5	Post	osa5:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	6	Post	osa6:t	-0.000	-0.000	-0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	C1F1	Strain	WT1:t	-5.108	-2.438	-5.513	7.901
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	C1F2	Strain	WT2:t	-4.044	-2.145	-3.487	5.754
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	C1F3	Strain	WT3:t	-3.078	-1.853	-1.688	3.970
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	C2F1	Strain	WT4:t	-5.080	-2.420	-5.290	7.724
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	C2F2	Strain	WT5:t	-4.022	-2.130	-3.305	5.624
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	C2F3	Strain	WT6:t	-3.082	-1.842	-1.572	3.920
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	1	Post	osa1:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	2	Post	osa2:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	3	Post	osa3:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	4	Post	osa4:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	5	Post	osa5:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting -20,T NA+	6	Post	osa6:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	C1F1	Strain	WT1:t	-4.464	-2.433	-4.584	6.845
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	C1F2	Strain	WT2:t	-3.665	-2.141	-2.992	5.193
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	C1F3	Strain	WT3:t	-2.903	-1.850	-1.495	3.753
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	C2F1	Strain	WT4:t	-4.469	-2.419	-4.428	6.740
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	C2F2	Strain	WT5:t	-3.664	-2.128	-2.850	5.106
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	C2F3	Strain	WT6:t	-2.914	-1.841	-1.392	3.717
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	1	Post	osa1:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	2	Post	osa2:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	3	Post	osa3:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	4	Post	osa4:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	5	Post	osa5:t	-0.000	-0.000	0.000	0.000
OSP673 (110kV)	osp 673 nw380.pol	Kortsluiting 70,T NA+	6	Post	osa6:t	-0.000	-0.000	0.000	0.000

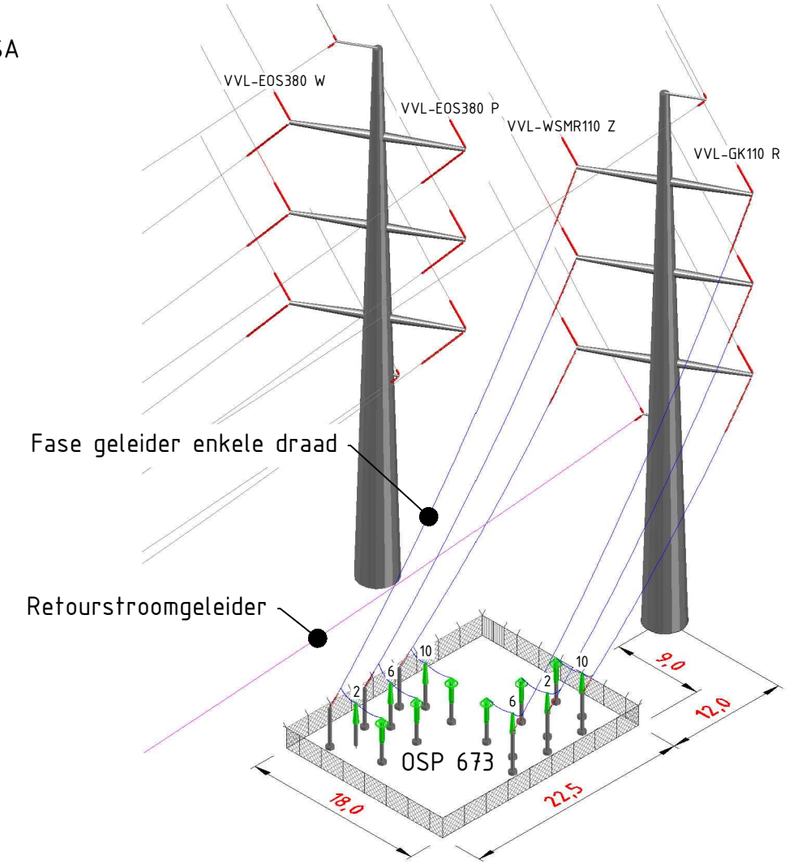


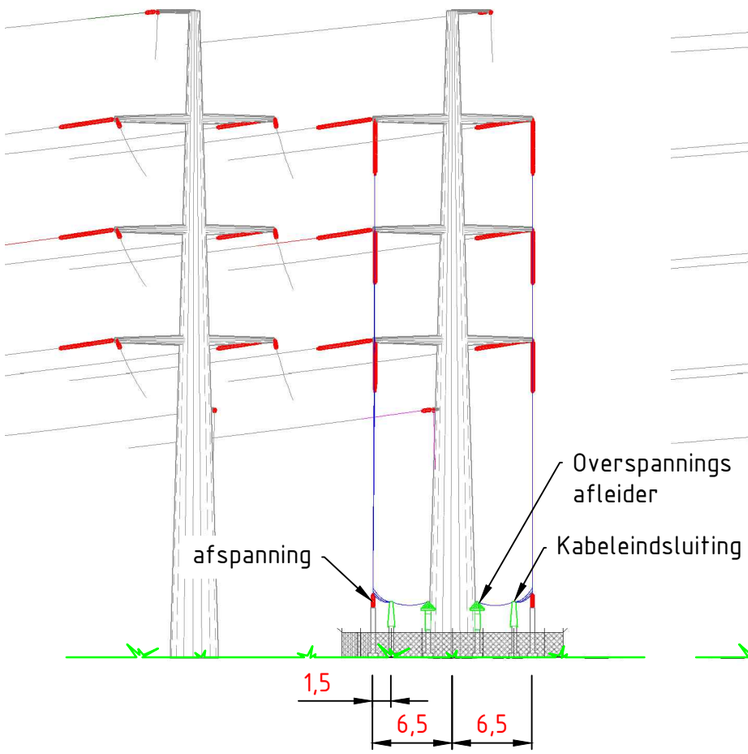


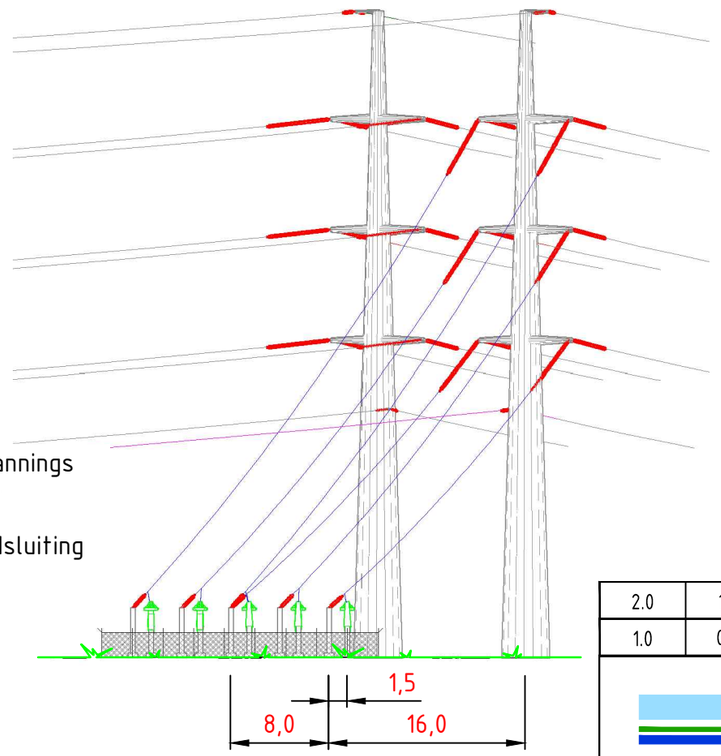


Detail apparatuur opstelling
(schaal 1:100)

Mast 673







Opmerkingen

- Hekwerk en poort(en) conform, TenneT "SPE.04.002 Specificatie hekwerken en poorten"

2.0	19-03-2015	OSA's en poort toegevoegd
1.0	08-09-2014	Eerste versie

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-139V

Design state:	CONCEPT		Scale:	1:500	
Drawn by:	EKA	17-02-2014	Units:	m	
Checked by:	RLo	17-02-2015	Project no:	000.144	
Approved by:	AW	17-02-2015	Company:	TenneT	

Description: Principe tekening t.b.v. 110kV kabel opstijgpunt bij mast 673

Revision: 2.0

Format: A3

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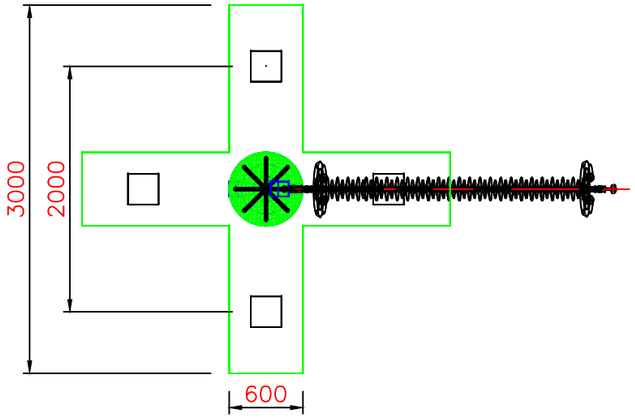
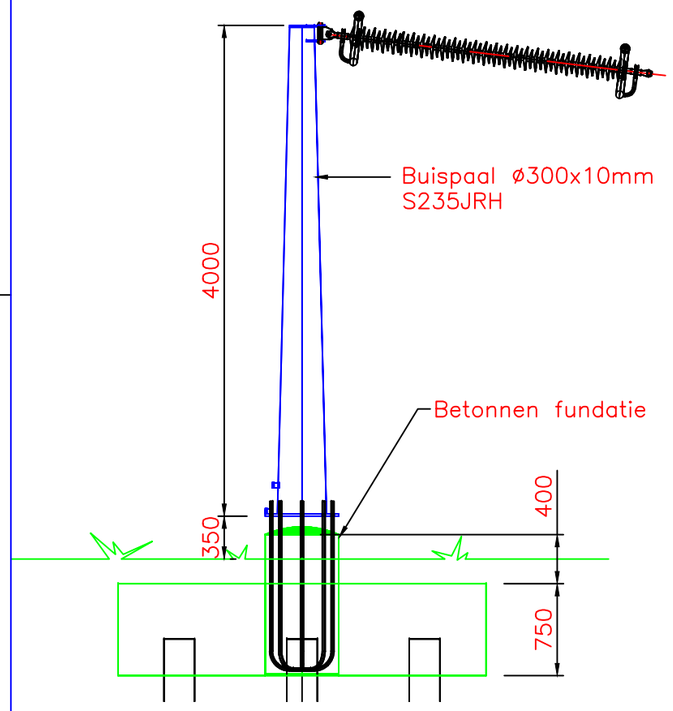
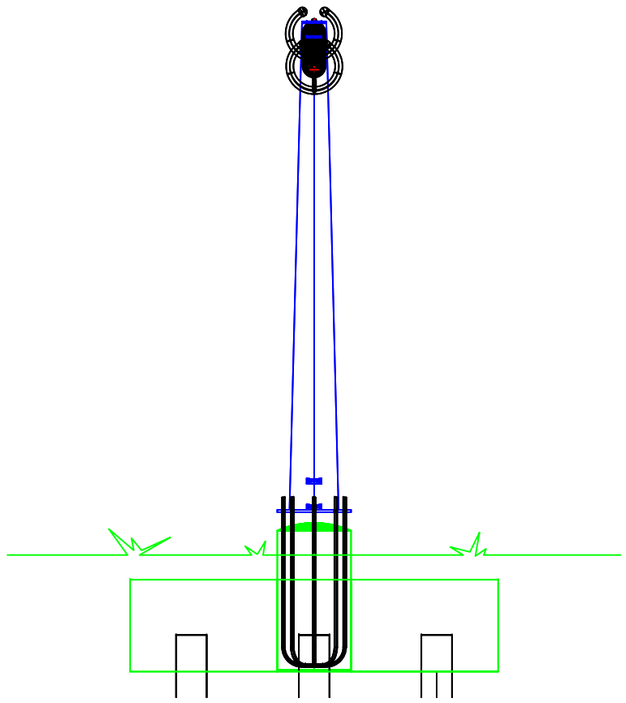


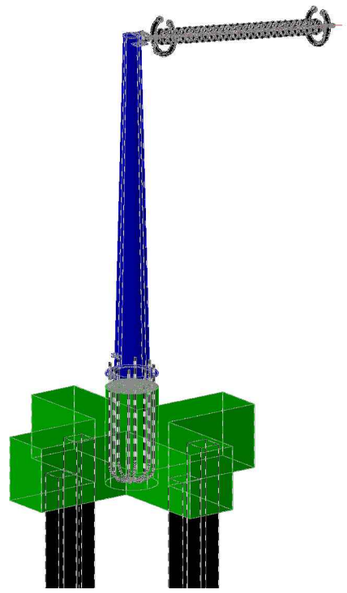
Bovenaanzicht



Vooraanzicht



Zijaanzicht



3D aanzicht

T.B.V. Vergunnings aanvraag

Algemeen:

- Conservering staal : SPE.01.100 (NEN-EN-ISO 1461 en NEN5254)
- Maatvoering : Indicatief
- Kleuren:
  Het stalen mastlichaam wordt, net als bij de eerdere Wintrack, RAL 9018 Papyrus white.
  Wanneer voor schoonbeton wordt gekozen als materiaal voor het mastlichaam, wijkt de kleur af van de eerder genoemde RAL 9018.
  Beton wordt CUR grijsschaal I, volgens de CUR-100. De keuze voor CUR is niet een voorschrift of uitsluiting van een betonkwaliteit, maar slechts een kwaliteitseis voor schoonbeton.

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-12-05V

Design state: DEFINITIEF		Scale: 1:50	
Drawn by: RLo	11-01-2016	Units: m	
Checked by: EGB	11-01-2016	Project no: 000.144	
Approved by: AW	11-01-2016	Company: TenneT	

Description: Principe ontwerp afspanning 110kV opstijgpunt

Revision: 4.0

Format: A3

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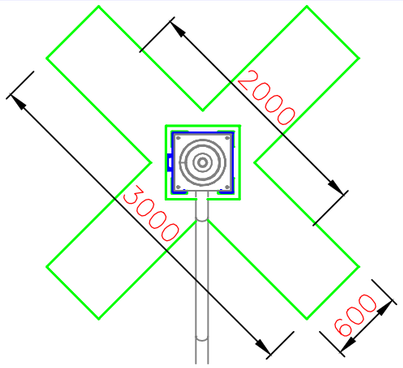
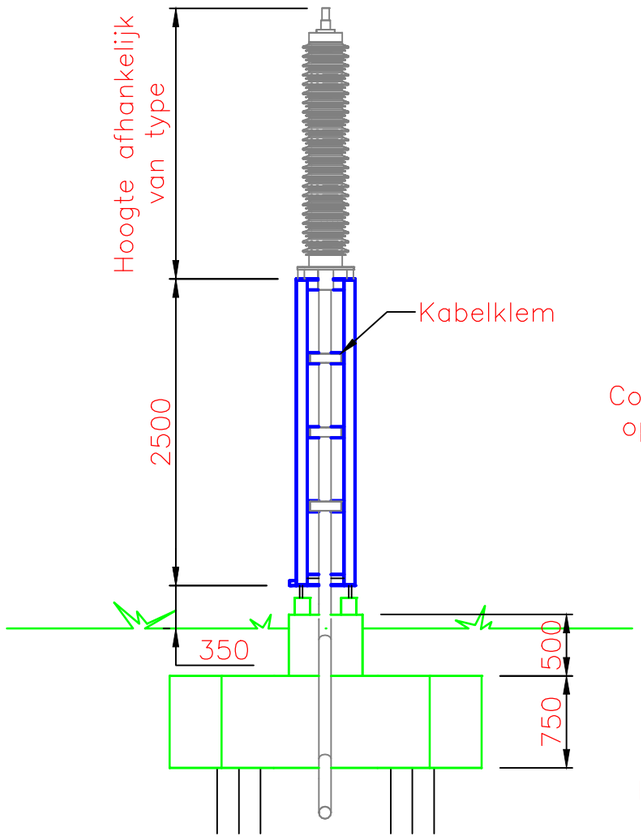
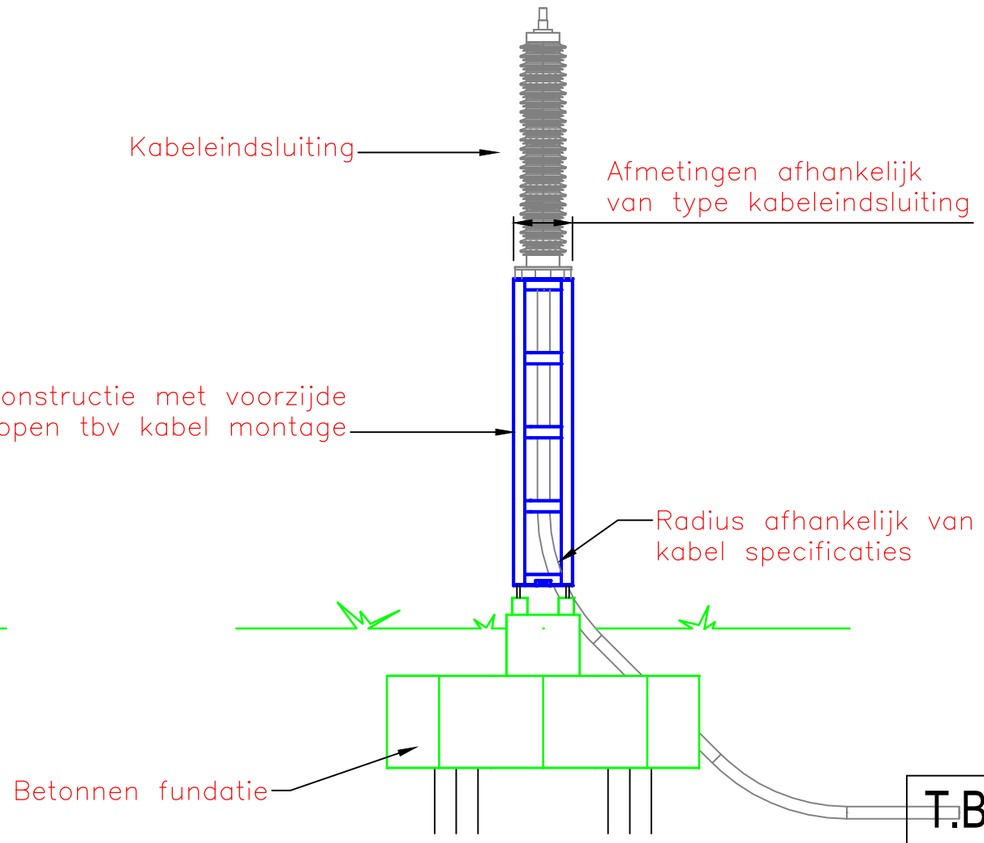


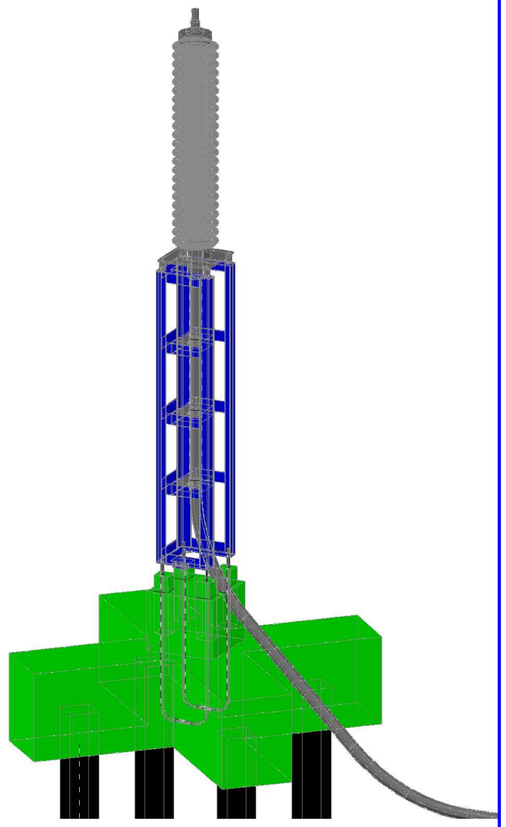
Bovenaanzicht



Vooraanzicht



Zijaanzicht



Algemeen:

- Conservering staal: duplexcoating C4/C5.
- Maatvoering indicvatief

T.B.V. Vergunnings aanvraag

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-12-06V

Design state: DEFINITIEF		Scale: 1:50	
Drawn by: RLo	15-10-2015	Units: mm	
Checked by: EGB	15-10-2015	Project no: 000.144	
Approved by: AW	15-10-2015	Company: TenneT	

Description: Principe ontwerp opstelling kabeleindsluiting 110kV

Revision: 2.0

Format: A3

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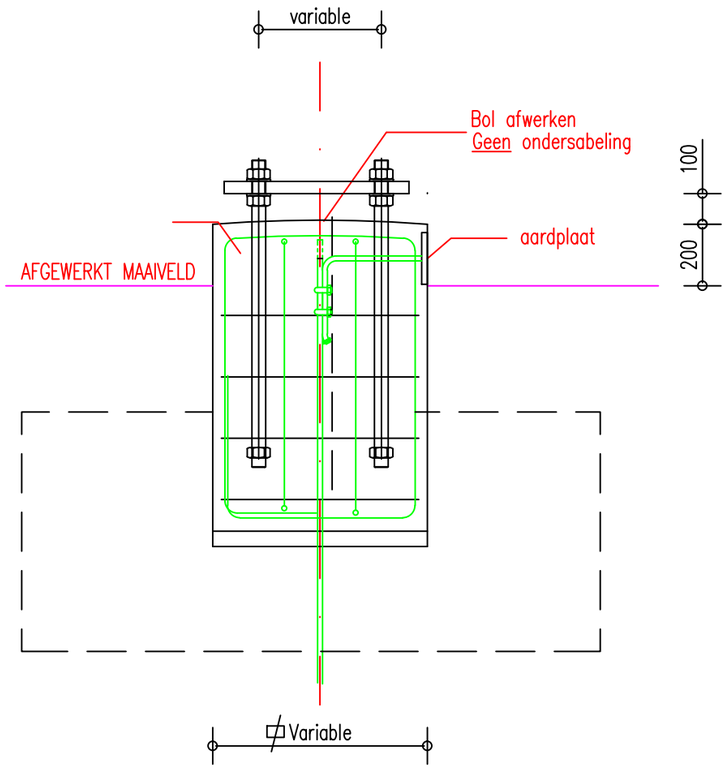

Fundatie principe OSA, kabeleindsluiting en afspanning 110kV

Opmerking:

Zie overzicht tekeningen:
- 74101611-13-04
- 74101611-13-05
- 74101611-13-06

T.B.V. Vergunnings aanvraag

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-32-472V

Design state: DEFINITIEF		Scale:	1:20
Drawn by: RLo	15-10-2015	Units:	m
Checked by: EGB	15-10-2015	Project no:	000.144
Approved by: AW	15-10-2015	Company:	TenneT

Description: Principe ontwerp fundaties, OSA kabeleindsluiting en afspanning 110kV

Revision: 1.0

Format: A3

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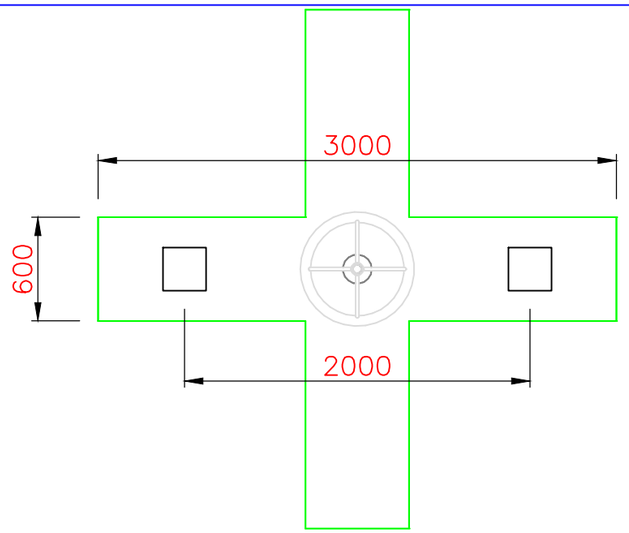
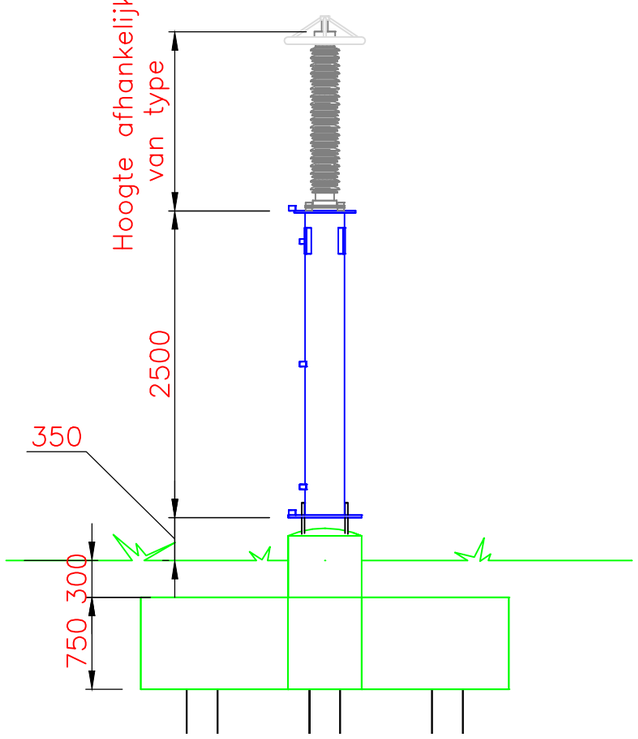
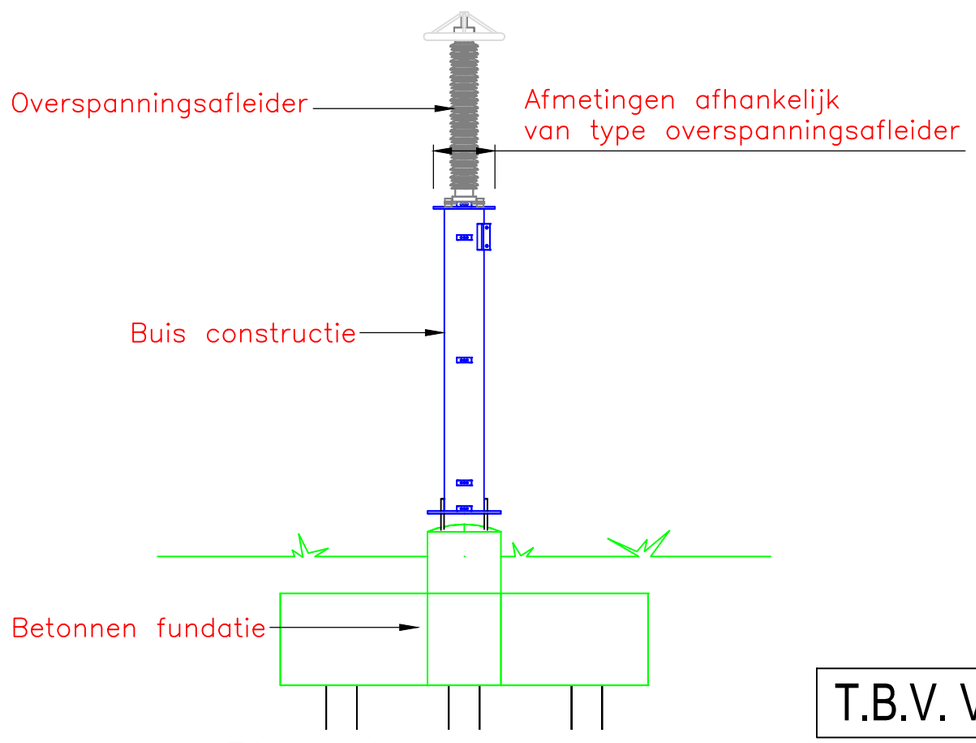


Bovenaanzicht



Vooraanzicht



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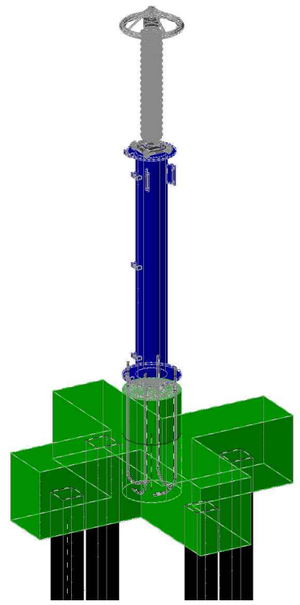

3D aanzicht

T.B.V. Vergunnings aanvraag

Algemeen:

- Conservering staal : SPE.01.100 (NEN-EN-ISO 1461 en NEN5254)
- Maatvoering : Indicatief
- Kleuren:
  Het stalen mastlichaam wordt, net als bij de eerdere Wintrack, RAL 9018 Papyrus white.
  Wanneer voor schoonbeton wordt gekozen als materiaal voor het mastlichaam, wijkt de kleur af van de eerder genoemde RAL 9018.
  Beton wordt CUR grijsschaal I, volgens de CUR-100. De keuze voor CUR is niet een voorschrift of uitsluiting van een betonkwaliteit, maar slechts een kwaliteitseis voor schoonbeton.

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-12-04V

Design state: DEFINITIEF			Scale: 1:50	Description: Principe ontwerp opstelling Overspannings afleider 110kV	Revision: 2.0
Drawn by: RLo	15-10-2015		Units: m		
Checked by: EGB	15-10-2015		Project no: 000.144		Format: A3
Approved by: AW	15-10-2015		Company: TenneT		

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Bijlage 14

Technische gegevens aanpassing vakwerkmast 32

Criteria Notes:
Calculations according to EN50341-1 and EN50341-1-15 (NNA)

Notificaties t.a.v. het traceontwerp:

- Voor DG1 geldt dat we in 5Vd ijsgebied zitten

- Aan FEA tabel ligt KEMA document 74101611 ETD/POL 12-00638 ten grondslag.

Structure Locations and Usage Report

Structure Number	Structure Name	Station (m)	Line Angle (deg)	--Constraints--- Prohib Zone	Req Extra Pos	Structure CostUsage (%)	Insulator Strength Usage (%)	Minimum Swing Usage (%)	Required Vertical Load (Uplift)	Deflection	Pole Tip Usage (%)	OK or NG
32	h4dr19.#32.tow	9594.44	-0.73		Y0		95.1	0.0		OK		OK

0 structure violations, 0 structure warnings OK

Summary of Maximum Usages by Load Case

Str. No.	Structure Name	Load Case	Maximum Usage %	Element Label	Element Type
32	h4dr19.#32.tow	NL1 10°C GW,T Global	34.02	99X	Angle
32	h4dr19.#32.tow	NL1 10°C GW,T Global	10.84	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRB,T NL+	55.59	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRB,T NL+	20.55	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLB,T NL-	55.57	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLB,T NL-	20.55	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRA,T NR+	55.66	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRA,T NR+	20.55	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLA,T NR-	55.50	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLA,T NR-	20.55	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL WL_0,T BI+	55.63	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL WL_0,T BI+	20.55	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL WR_0,T BI-	55.54	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL WR_0,T BI-	20.55	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRB,T NL+	85.71	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRB,T NL+	14.67	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLB,T NL-	83.40	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLB,T NL-	14.67	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRA,T NR+	85.75	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRA,T NR+	14.67	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLA,T NR-	83.34	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLA,T NR-	14.67	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold WL_0,T BI+	85.73	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold WL_0,T BI+	14.67	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold WR_0,T BI-	83.37	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold WR_0,T BI-	14.67	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WRB,T NL+	95.14	31Y	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WRB,T NL+	43.48	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WLB,T NL-	95.11	31XY	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WLB,T NL-	43.48	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WRA,T NR+	95.15	31Y	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WRA,T NR+	43.48	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WLA,T NR-	95.11	31XY	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WLA,T NR-	43.48	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WL_0,T BI+	95.14	31Y	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WL_0,T BI+	43.48	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WR_0,T BI-	95.11	31XY	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WR_0,T BI-	43.48	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main WRB,T NL+	46.82	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main WRB,T NL+	13.10	T3F1P	Strain

32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T	NL-	46.91	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T	NL-	13.10	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T	NR+	46.88	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T	NR+	13.10	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T	NR-	46.83	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T	NR-	13.10	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T	BI+	46.85	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T	BI+	13.10	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T	BI-	46.87	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T	BI-	13.10	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T	Global	42.30	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T	Global	13.92	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WRB,T	NL+	49.40	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WRB,T	NL+	19.44	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WLB,T	NL-	49.38	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WLB,T	NL-	19.44	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WRA,T	NR+	49.47	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WRA,T	NR+	19.44	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WLA,T	NR-	49.31	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WLA,T	NR-	19.44	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WL_0,T	BI+	49.44	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WL_0,T	BI+	19.44	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WR_0,T	BI-	49.34	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 1a EWL 0.9	WR_0,T	BI-	19.44	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WRB,T	NL+	80.26	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WRB,T	NL+	12.08	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WLB,T	NL-	78.02	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WLB,T	NL-	12.08	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WRA,T	NR+	80.30	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WRA,T	NR+	12.08	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WLA,T	NR-	77.96	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WLA,T	NR-	12.08	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WL_0,T	BI+	80.28	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WL_0,T	BI+	12.08	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WR_0,T	BI-	77.99	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 1b Cold 0.9	WR_0,T	BI-	12.08	T2f1X	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WRB,T	NL+	90.24	31Y	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WRB,T	NL+	42.13	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WLB,T	NL-	90.20	31XY	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WLB,T	NL-	42.13	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WRA,T	NR+	90.25	31Y	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WRA,T	NR+	42.14	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WLA,T	NR-	90.20	31XY	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WLA,T	NR-	42.14	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WL_0,T	BI+	90.24	31Y	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WL_0,T	BI+	42.14	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WR_0,T	BI-	90.20	31XY	Angle
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9	WR_0,T	BI-	42.14	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WRB,T	NL+	40.24	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WRB,T	NL+	10.58	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WLB,T	NL-	40.14	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WLB,T	NL-	10.58	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WRA,T	NR+	40.30	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WRA,T	NR+	10.58	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WLA,T	NR-	40.07	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WLA,T	NR-	10.58	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WL_0,T	BI+	40.26	98X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WL_0,T	BI+	10.58	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WR_0,T	BI-	40.11	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9	WR_0,T	BI-	10.58	T3F1P	Strain
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9	GW,T	Global	31.68	99X	Angle
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9	GW,T	Global	9.91	T2f1X	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T	NL+	47.02	99P	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20	22 50,T	NL+	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T	NL+	48.78	99X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30	32 52,T	NL+	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T	NL-	46.96	99P	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20	22 50,T	NL-	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T	NL-	48.86	99X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T	NL-	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T	NR+	47.09	99P	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T	NR+	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T	NR+	48.85	99X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T	NR+	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T	NR-	46.89	99P	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T	NR-	15.44	T3F1P	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T	NR-	48.79	99X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T	NR-	15.44	T3F1P	Strain

32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	72.69	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	82.03	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	75.05	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	79.84	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	72.76	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	82.07	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	1	20	22	50,T	NR-	75.00	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	1	20	22	50,T	NR-	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	3	30	32	52,T	NR-	79.79	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	3	30	32	52,T	NR-	14.46	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	1	20	22	50,T	NL+	57.14	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	1	20	22	50,T	NL+	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	3	30	32	52,T	NL+	61.00	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	3	30	32	52,T	NL+	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	1	20	22	50,T	NL-	57.03	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	1	20	22	50,T	NL-	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	3	30	32	52,T	NL-	61.16	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	3	30	32	52,T	NL-	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	1	20	22	50,T	NR+	57.22	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	1	20	22	50,T	NR+	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	3	30	32	52,T	NR+	61.09	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	3	30	32	52,T	NR+	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLA	1	20	22	50,T	NR-	56.95	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLA	1	20	22	50,T	NR-	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLA	3	30	32	52,T	NR-	61.08	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLA	3	30	32	52,T	NR-	22.79	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRB	1	20	22	50,T	NL+	43.91	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRB	1	20	22	50,T	NL+	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRB	3	30	32	52,T	NL+	45.40	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRB	3	30	32	52,T	NL+	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLB	1	20	22	50,T	NL-	43.80	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLB	1	20	22	50,T	NL-	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLB	3	30	32	52,T	NL-	45.53	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLB	3	30	32	52,T	NL-	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRA	1	20	22	50,T	NR+	43.97	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRA	1	20	22	50,T	NR+	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRA	3	30	32	52,T	NR+	45.48	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WRA	3	30	32	52,T	NR+	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLA	1	20	22	50,T	NR-	43.74	99P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLA	1	20	22	50,T	NR-	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLA	3	30	32	52,T	NR-	45.46	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	WLA	3	30	32	52,T	NR-	12.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRB	5	23	25	51,T	NL+	41.36	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRB	5	23	25	51,T	NL+	13.58	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRB	7	33	35	53,T	NL+	41.33	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRB	7	33	35	53,T	NL+	13.58	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLB	5	23	25	51,T	NL-	40.14	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLB	5	23	25	51,T	NL-	13.58	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLB	7	33	35	53,T	NL-	41.22	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLB	7	33	35	53,T	NL-	13.58	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRA	5	23	25	51,T	NR+	41.42	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRA	5	23	25	51,T	NR+	13.58	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRA	7	33	35	53,T	NR+	41.39	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WRA	7	33	35	53,T	NR+	13.58	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLA	5	23	25	51,T	NR-	40.08	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLA	5	23	25	51,T	NR-	13.58	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLA	7	33	35	53,T	NR-	41.15	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	0.9	WLA	7	33	35	53,T	NR-	13.58	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRB	5	23	25	51,T	NL+	77.95	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRB	5	23	25	51,T	NL+	11.78	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRB	7	33	35	53,T	NL+	78.03	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRB	7	33	35	53,T	NL+	11.78	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WLB	5	23	25	51,T	NL-	75.77	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WLB	5	23	25	51,T	NL-	11.78	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WLB	7	33	35	53,T	NL-	75.84	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WLB	7	33	35	53,T	NL-	11.78	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRA	5	23	25	51,T	NR+	78.00	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRA	5	23	25	51,T	NR+	11.78	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRA	7	33	35	53,T	NR+	78.07	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WRA	7	33	35	53,T	NR+	11.78	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WLA	5	23	25	51,T	NR-	75.72	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	0.9	WLA	5	23	25	51,T	NR-	11.78	T3F1P	Strain

32	h4dr19.#32.tow			NL3	Br.	Lc	1b	Cold	0.9	WLA	7	33	35	53,T	NR-	75.78	98X	Angle
32	h4dr19.#32.tow			NL3	Br.	Lc	1b	Cold	0.9	WLA	7	33	35	53,T	NR-	11.78	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRB	5	23	25	51,T	NL+	79.98	85XY	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRB	5	23	25	51,T	NL+	31.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRB	7	33	35	53,T	NL+	80.30	85Y	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRB	7	33	35	53,T	NL+	31.93	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLB	5	23	25	51,T	NL-	79.92	85XY	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLB	5	23	25	51,T	NL-	31.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLB	7	33	35	53,T	NL-	80.30	85Y	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLB	7	33	35	53,T	NL-	31.93	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRA	5	23	25	51,T	NR+	79.99	85XY	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRA	5	23	25	51,T	NR+	31.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRA	7	33	35	53,T	NR+	80.31	85Y	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WRA	7	33	35	53,T	NR+	31.93	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLA	5	23	25	51,T	NR-	79.92	85XY	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLA	5	23	25	51,T	NR-	31.93	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLA	7	33	35	53,T	NR-	80.29	85Y	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind	+	ice	0.9	WLA	7	33	35	53,T	NR-	31.93	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRB	5	23	25	51,T	NL+	38.04	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRB	5	23	25	51,T	NL+	10.34	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRB	7	33	35	53,T	NL+	38.31	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRB	7	33	35	53,T	NL+	10.34	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLB	5	23	25	51,T	NL-	37.21	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLB	5	23	25	51,T	NL-	10.34	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLB	7	33	35	53,T	NL-	38.19	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLB	7	33	35	53,T	NL-	10.34	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRA	5	23	25	51,T	NR+	38.09	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRA	5	23	25	51,T	NR+	10.34	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRA	7	33	35	53,T	NR+	38.36	98X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WRA	7	33	35	53,T	NR+	10.34	T2f1X	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLA	5	23	25	51,T	NR-	37.15	98P	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLA	5	23	25	51,T	NR-	10.34	T3F1P	Strain
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLA	7	33	35	53,T	NR-	38.12	99X	Angle
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con	&	Main	0.9	WLA	7	33	35	53,T	NR-	10.34	T2f1X	Strain
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T		NL+	36.34	31Y	Angle
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T		NL+	15.44	T3F1P	Strain
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T		NL-	36.43	31XY	Angle
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T		NL-	15.44	T3F1P	Strain
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T		NR+	36.35	31Y	Angle
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T		NR+	15.44	T3F1P	Strain
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WLA	Ba,T		NR-	36.43	31XY	Angle
32	h4dr19.#32.tow					NL3	Br.	Br.	Lc	1a	EWL	WLA	Ba,T		NR-	15.44	T3F1P	Strain
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WRB	Ba,T	NL+	35.01	31Y	Angle
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WRB	Ba,T	NL+	14.46	T2f1X	Strain
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WLB	Ba,T	NL-	35.11	31XY	Angle
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WLB	Ba,T	NL-	14.46	T2f1X	Strain
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WRA	Ba,T	NR+	35.01	31Y	Angle
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WRA	Ba,T	NR+	14.46	T2f1X	Strain
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WLA	Ba,T	NR-	35.10	31XY	Angle
32	h4dr19.#32.tow							NL3	Br.	Lc	1b	Cold	WLA	Ba,T	NR-	14.46	T2f1X	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WRB	Ba,T	NL+	75.04	31Y	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WRB	Ba,T	NL+	34.87	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WLB	Ba,T	NL-	75.26	31XY	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WLB	Ba,T	NL-	34.87	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WRA	Ba,T	NR+	75.05	31Y	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WRA	Ba,T	NR+	34.87	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WLA	Ba,T	NR-	75.26	31XY	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	3	Wind	+	ice	WLA	Ba,T	NR-	34.87	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WRB	Ba,T	NL+	31.50	31Y	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WRB	Ba,T	NL+	12.93	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WLB	Ba,T	NL-	31.59	31XY	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WLB	Ba,T	NL-	12.93	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WRA	Ba,T	NR+	31.50	31Y	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WRA	Ba,T	NR+	12.93	T3F1P	Strain
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WLA	Ba,T	NR-	31.59	31XY	Angle
32	h4dr19.#32.tow						NL3	Br.	Lc	4	Con	&	Main	WLA	Ba,T	NR-	12.93	T3F1P	Strain
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WRB	Ah,T	NL+	43.73	98X	Angle
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WRB	Ah,T	NL+	5.25	T1F1Y	Strain
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WLB	Ah,T	NL-	42.55	98P	Angle
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WLB	Ah,T	NL-	5.10	T0F8XY	Strain
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WRA	Ah,T	NR+	43.80	98X	Angle
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WRA	Ah,T	NR+	5.26	T1F1Y	Strain
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WLA	Ah,T	NR-	42.48	98P	Angle
32	h4dr19.#32.tow								NL3	Br.	Lc	1a	EWL	WLA	Ah,T	NR-	5.09	T0F8XY	Strain
32	h4dr19.#32.tow								NL3	Br.	Lc	1b	Cold	WRB	Ah,T	NL+	80.57	98X	Angle
32	h4dr19.#32.tow								NL3	Br.	Lc	1b	Cold	WRB	Ah,T	NL+	11.25	T1F1Y	Strain
32	h4dr19.#32.tow								NL3	Br.	Lc	1b	Cold	WLB	Ah,T	NL-	78.31	98X	Angle
32	h4dr19.#32.tow								NL3	Br.	Lc	1b	Cold	WLB	Ah,T	NL-	10.82	T1F1Y	Strain

32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	80.61	98X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	11.26	T1F1Y	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	78.26	98X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	10.81	T1F1Y	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	57.27	98X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	7.49	T1F1Y	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	54.43	98P	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	7.14	T0F8XY	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	57.35	98X	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	7.50	T1F1Y	Strain
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	54.35	98P	Angle
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	7.13	T0F8XY	Strain

Summary of Joint Support Reactions For All Load Cases

Str. No.	Structure Name	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)	Found. Usage %
32	h4dr19.#32.tow	NL1 10°C GW,T Global	FundatieP	15.57	-18.55	102.24	24.21	-0.22	-0.24	0.33	0.08	0.00
32	h4dr19.#32.tow	NL1 10°C GW,T Global	FundatieX	16.03	18.82	104.66	24.72	0.23	-0.24	0.34	-0.08	0.00
32	h4dr19.#32.tow	NL1 10°C GW,T Global	FundatieXY	29.94	-33.15	-186.47	44.67	-0.32	-0.36	0.48	-0.08	0.00
32	h4dr19.#32.tow	NL1 10°C GW,T Global	FundatieY	30.37	33.48	-188.94	45.21	0.33	-0.37	0.49	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRB,T NL+	FundatieP	45.81	-51.98	284.83	69.29	-0.46	-0.57	0.73	0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRB,T NL+	FundatieX	22.65	27.38	156.95	35.53	0.46	-0.40	0.61	-0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRB,T NL+	FundatieXY	63.86	-71.74	-394.60	96.04	-0.54	-0.79	0.96	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRB,T NL+	FundatieY	42.14	45.86	-266.84	62.28	0.65	-0.51	0.82	0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLB,T NL-	FundatieP	21.54	-26.93	151.39	34.48	-0.42	-0.39	0.57	0.16	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLB,T NL-	FundatieX	46.98	52.44	290.44	70.41	0.50	-0.57	0.76	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLB,T NL-	FundatieXY	41.21	-45.17	-261.08	61.14	-0.62	-0.49	0.78	-0.16	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLB,T NL-	FundatieY	64.86	72.45	-400.46	97.24	0.58	-0.81	0.99	0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRA,T NR+	FundatieP	45.90	-52.05	285.21	69.40	-0.46	-0.57	0.73	0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRA,T NR+	FundatieX	22.73	27.45	157.33	35.64	0.46	-0.40	0.61	-0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRA,T NR+	FundatieXY	63.95	-71.82	-395.04	96.16	-0.54	-0.79	0.96	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WRA,T NR+	FundatieY	42.24	45.93	-267.27	62.40	0.65	-0.51	0.82	0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLA,T NR-	FundatieP	21.46	-26.87	151.06	34.39	-0.42	-0.40	0.57	0.16	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLA,T NR-	FundatieX	46.90	52.39	290.12	70.31	0.50	-0.57	0.76	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLA,T NR-	FundatieXY	41.12	-45.10	-260.69	61.03	-0.62	-0.49	0.78	-0.16	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WLA,T NR-	FundatieY	64.77	72.38	-400.08	97.13	0.57	-0.81	0.99	0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WL_0,T BI+	FundatieP	45.86	-52.02	285.03	69.34	-0.46	-0.57	0.73	0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WL_0,T BI+	FundatieX	22.69	27.42	157.14	35.59	0.46	-0.40	0.61	-0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WL_0,T BI+	FundatieXY	63.91	-71.78	-394.83	96.11	-0.54	-0.79	0.96	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WL_0,T BI+	FundatieY	42.19	45.90	-267.06	62.34	0.65	-0.51	0.82	0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WR_0,T BI-	FundatieP	21.51	-26.90	151.23	34.44	-0.42	-0.40	0.57	0.16	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WR_0,T BI-	FundatieX	46.94	52.42	290.29	70.36	0.50	-0.57	0.76	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WR_0,T BI-	FundatieXY	41.16	-45.13	-260.89	61.08	-0.62	-0.49	0.78	-0.16	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL WR_0,T BI-	FundatieY	64.82	72.42	-400.28	97.19	0.57	-0.81	0.99	0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRB,T NL+	FundatieP	22.73	-26.87	145.56	35.20	-0.25	-0.30	0.39	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRB,T NL+	FundatieX	16.76	19.11	110.57	25.42	0.33	-0.24	0.41	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRB,T NL+	FundatieXY	44.36	-48.87	-271.34	66.00	-0.40	-0.49	0.63	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRB,T NL+	FundatieY	38.37	41.38	-236.99	56.43	0.48	-0.43	0.65	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLB,T NL-	FundatieP	14.60	-19.04	101.02	23.99	-0.20	-0.24	0.31	0.11	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLB,T NL-	FundatieX	24.85	26.89	154.82	36.61	0.38	-0.30	0.48	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLB,T NL-	FundatieXY	36.78	-40.53	-226.82	54.73	-0.39	-0.38	0.55	-0.11	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLB,T NL-	FundatieY	45.98	49.73	-281.57	67.73	0.49	-0.54	0.73	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRA,T NR+	FundatieP	22.74	-26.88	145.60	35.21	-0.25	-0.30	0.39	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRA,T NR+	FundatieX	16.77	19.12	110.61	25.43	0.33	-0.24	0.41	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRA,T NR+	FundatieXY	44.38	-48.88	-271.43	66.03	-0.40	-0.49	0.63	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WRA,T NR+	FundatieY	38.39	41.40	-237.09	56.46	0.48	-0.43	0.65	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLA,T NR-	FundatieP	14.58	-19.04	100.98	23.98	-0.20	-0.24	0.31	0.11	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLA,T NR-	FundatieX	24.84	26.88	154.79	36.60	0.38	-0.30	0.49	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLA,T NR-	FundatieXY	36.76	-40.51	-226.72	54.70	-0.39	-0.38	0.55	-0.11	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WLA,T NR-	FundatieY	45.96	49.71	-281.49	67.70	0.49	-0.54	0.73	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WL_0,T BI+	FundatieP	22.73	-26.88	145.58	35.20	-0.25	-0.30	0.39	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WL_0,T BI+	FundatieX	16.76	19.11	110.59	25.42	0.33	-0.24	0.41	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WL_0,T BI+	FundatieXY	44.37	-48.87	-271.38	66.01	-0.40	-0.49	0.63	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WL_0,T BI+	FundatieY	38.38	41.39	-237.04	56.44	0.48	-0.43	0.65	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WR_0,T BI-	FundatieP	14.59	-19.04	101.00	23.99	-0.20	-0.24	0.31	0.11	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WR_0,T BI-	FundatieX	24.85	26.88	154.81	36.61	0.38	-0.30	0.48	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WR_0,T BI-	FundatieXY	36.77	-40.52	-226.77	54.71	-0.39	-0.38	0.55	-0.11	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold WR_0,T BI-	FundatieY	45.97	49.72	-281.53	67.71	0.49	-0.54	0.73	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WRB,T NL+	FundatieP	90.92	-102.56	574.15	137.05	-1.09	-1.18	1.61	0.30	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice WRB,T NL+	FundatieX	72.21	85.13	472.88	111.63	0.97	-1.06	1.44	-0.33	0.00

32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WRB,T	NL+	FundatieXY	113.42	-126.88	-709.59	170.19	-1.24	-1.48	1.93	-0.30	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WRB,T	NL+	FundatieY	96.42	108.04	-608.68	144.81	1.23	-1.23	1.73	0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLB,T	NL-	FundatieP	69.88	-84.10	461.41	109.34	-0.88	-1.05	1.37	0.34	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLB,T	NL-	FundatieX	93.14	103.44	584.85	139.20	1.17	-1.19	1.67	-0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLB,T	NL-	FundatieXY	94.52	-106.50	-596.93	142.39	-1.17	-1.18	1.66	-0.34	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLB,T	NL-	FundatieY	115.25	128.32	-720.73	172.48	1.29	-1.52	2.00	0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WRA,T	NR+	FundatieP	90.94	-102.57	574.25	137.08	-1.09	-1.18	1.60	0.30	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WRA,T	NR+	FundatieX	72.23	85.14	472.97	111.65	0.97	-1.06	1.44	-0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WRA,T	NR+	FundatieXY	113.46	-126.91	-709.76	170.24	-1.24	-1.48	1.93	-0.30	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WRA,T	NR+	FundatieY	96.46	108.07	-608.84	144.85	1.23	-1.23	1.73	0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLA,T	NR-	FundatieP	69.86	-84.09	461.34	109.32	-0.88	-1.06	1.37	0.34	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLA,T	NR-	FundatieX	93.12	103.43	584.78	139.17	1.17	-1.19	1.67	-0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLA,T	NR-	FundatieXY	94.48	-106.47	-596.78	142.35	-1.17	-1.18	1.66	-0.34	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WLA,T	NR-	FundatieY	115.22	128.29	-720.60	172.44	1.29	-1.52	2.00	0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WL_0,T	BI+	FundatieP	90.93	-102.57	574.21	137.07	-1.09	-1.18	1.60	0.30	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WL_0,T	BI+	FundatieX	72.22	85.13	472.92	111.64	0.97	-1.06	1.44	-0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WL_0,T	BI+	FundatieXY	113.44	-126.90	-709.68	170.21	-1.24	-1.48	1.93	-0.30	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WL_0,T	BI+	FundatieY	96.44	108.05	-608.76	144.83	1.23	-1.23	1.73	0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WR_0,T	BI-	FundatieP	69.87	-84.09	461.38	109.33	-0.88	-1.05	1.37	0.34	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WR_0,T	BI-	FundatieX	93.13	103.44	584.82	139.19	1.17	-1.19	1.67	-0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WR_0,T	BI-	FundatieXY	94.50	-106.49	-596.85	142.37	-1.17	-1.18	1.66	-0.34	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice		WR_0,T	BI-	FundatieY	115.23	128.31	-720.67	172.46	1.29	-1.52	2.00	0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRB,T	NL+	FundatieP	21.65	-25.22	138.74	33.24	-0.27	-0.31	0.41	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRB,T	NL+	FundatieX	15.27	18.43	103.13	23.93	0.27	-0.26	0.37	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRB,T	NL+	FundatieXY	39.50	-43.70	-244.17	58.91	-0.38	-0.47	0.61	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRB,T	NL+	FundatieY	33.42	36.68	-208.69	49.62	0.41	-0.40	0.57	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLB,T	NL-	FundatieP	14.51	-18.14	99.37	23.23	-0.24	-0.25	0.35	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLB,T	NL-	FundatieX	22.41	25.51	142.49	33.96	0.30	-0.31	0.43	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLB,T	NL-	FundatieXY	32.76	-36.23	-204.77	48.85	-0.38	-0.38	0.54	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLB,T	NL-	FundatieY	40.17	44.15	-248.12	59.69	0.41	-0.48	0.63	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRA,T	NR+	FundatieP	21.66	-25.23	138.77	33.25	-0.27	-0.31	0.41	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRA,T	NR+	FundatieX	15.28	18.43	103.17	23.94	0.27	-0.26	0.37	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRA,T	NR+	FundatieXY	39.52	-43.71	-244.26	58.93	-0.38	-0.47	0.61	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WRA,T	NR+	FundatieY	33.44	36.69	-208.78	49.64	0.41	-0.40	0.57	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLA,T	NR-	FundatieP	14.50	-18.13	99.34	23.22	-0.24	-0.25	0.35	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLA,T	NR-	FundatieX	22.40	25.50	142.46	33.95	0.30	-0.31	0.43	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLA,T	NR-	FundatieXY	32.74	-36.21	-204.69	48.82	-0.38	-0.38	0.54	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WLA,T	NR-	FundatieY	40.15	44.14	-248.03	59.67	0.41	-0.48	0.63	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WL_0,T	BI+	FundatieP	21.65	-25.23	138.76	33.24	-0.27	-0.31	0.41	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WL_0,T	BI+	FundatieX	15.27	18.43	103.15	23.94	0.27	-0.26	0.37	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WL_0,T	BI+	FundatieXY	39.51	-43.71	-244.22	58.92	-0.38	-0.47	0.61	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WL_0,T	BI+	FundatieY	33.43	36.69	-208.73	49.63	0.41	-0.40	0.57	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WR_0,T	BI-	FundatieP	14.50	-18.14	99.35	23.22	-0.24	-0.25	0.35	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WR_0,T	BI-	FundatieX	22.41	25.51	142.48	33.95	0.30	-0.31	0.43	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WR_0,T	BI-	FundatieXY	32.75	-36.22	-204.73	48.84	-0.38	-0.38	0.54	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main		WR_0,T	BI-	FundatieY	40.16	44.14	-248.08	59.68	0.41	-0.48	0.63	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent		GW,T	Global	FundatieP	19.71	-23.60	129.91	30.75	-0.28	-0.31	0.42	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent		GW,T	Global	FundatieX	20.29	23.95	132.91	31.39	0.30	-0.32	0.43	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent		GW,T	Global	FundatieXY	38.64	-42.79	-240.81	57.65	-0.42	-0.47	0.63	-0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent		GW,T	Global	FundatieY	39.16	43.21	-243.89	58.32	0.43	-0.48	0.64	0.10	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRB,T	NL+	FundatieP	45.41	-51.27	281.25	68.49	-0.44	-0.55	0.71	0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRB,T	NL+	FundatieX	22.22	26.64	153.21	34.69	0.45	-0.38	0.59	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRB,T	NL+	FundatieXY	59.60	-67.11	-368.30	89.76	-0.50	-0.74	0.89	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRB,T	NL+	FundatieY	37.85	41.20	-240.39	55.95	0.60	-0.46	0.76	0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLB,T	NL-	FundatieP	21.16	-26.21	147.84	33.68	-0.40	-0.38	0.55	0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLB,T	NL-	FundatieX	46.54	51.70	286.67	69.56	0.49	-0.55	0.74	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLB,T	NL-	FundatieXY	36.95	-40.54	-234.82	54.85	-0.57	-0.44	0.72	-0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLB,T	NL-	FundatieY	60.57	67.79	-373.98	90.91	0.53	-0.76	0.93	0.12	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRA,T	NR+	FundatieP	45.50	-51.33	281.63	68.60	-0.44	-0.55	0.71	0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRA,T	NR+	FundatieX	22.31	26.70	153.59	34.80	0.45	-0.38	0.59	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRA,T	NR+	FundatieXY	59.70	-67.19	-368.74	89.88	-0.50	-0.74	0.89	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WRA,T	NR+	FundatieY	37.95	41.28	-240.82	56.07	0.61	-0.46	0.76	0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLA,T	NR-	FundatieP	21.07	-26.15	147.51	33.59	-0.40	-0.38	0.55	0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLA,T	NR-	FundatieX	46.47	51.64	286.35	69.47	0.49	-0.55	0.74	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLA,T	NR-	FundatieXY	36.86	-40.47	-234.43	54.74	-0.57	-0.44	0.72	-0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WLA,T	NR-	FundatieY	60.48	67.72	-373.61	90.80	0.53	-0.76	0.93	0.12	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	FundatieP	45.46	-51.30	281.45	68.54	-0.44	-0.55	0.71	0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	FundatieX	22.27	26.67	153.41	34.74	0.45	-0.38	0.59	-0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	FundatieXY	59.65	-67.15	-368.53	89.82	-0.50	-0.74	0.89	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	FundatieY	37.90	41.24	-240.61	56.01	0.61	-0.46	0.76	0.14	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	FundatieP	21.12	-26.18	147.68	33.64	-0.40	-0.38	0.55	0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	FundatieX	46.50	51.67	286.52	69.52	0.49	-0.55	0.74	-0.13	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	FundatieXY	36.91	-40.51	-234.63	54.80	-0.57	-0.44	0.72	-0.15	0.00
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	FundatieY	60.53	67.76	-373.80	90.86	0.53	-0.76	0.93	0.12	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	FundatieP	19.18	-22.57	121.94	29.62	-0.19	-0.24	0.31	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	FundatieX	13.13	14.74	86.53	19.74	0.28	-0.18	0.33	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	FundatieXY	36.95	-40.65	-224.99	54.94	-0.32	-0.39	0.51	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	FundatieY	30.88	33.10	-190.24	45.27	0.40	-0.34	0.53	0.07	0.00

32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	FundatieP	11.06	-14.74	77.43	18.42	-0.15	-0.18	0.23	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	FundatieX	21.22	22.52	130.76	30.94	0.33	-0.24	0.41	-0.06	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	FundatieXY	29.37	-32.32	-180.50	43.67	-0.31	-0.29	0.43	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	FundatieY	38.49	41.44	-234.79	56.56	0.41	-0.44	0.60	0.06	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	FundatieP	19.19	-22.58	121.98	29.63	-0.19	-0.24	0.31	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	FundatieX	13.15	14.74	86.58	19.75	0.28	-0.18	0.33	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	FundatieXY	36.97	-40.67	-225.08	54.96	-0.32	-0.39	0.51	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	FundatieY	30.91	33.11	-190.34	45.29	0.40	-0.34	0.53	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	FundatieP	11.04	-14.73	77.39	18.41	-0.15	-0.18	0.23	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	FundatieX	21.21	22.51	130.73	30.93	0.33	-0.24	0.41	-0.06	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	FundatieXY	29.34	-32.30	-180.40	43.64	-0.31	-0.29	0.43	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	FundatieY	38.47	41.43	-234.71	56.54	0.41	-0.44	0.60	0.06	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	FundatieP	19.18	-22.57	121.96	29.62	-0.19	-0.24	0.31	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	FundatieX	13.14	14.74	86.56	19.75	0.28	-0.18	0.33	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	FundatieXY	36.96	-40.66	-225.04	54.95	-0.32	-0.39	0.51	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	FundatieY	30.89	33.10	-190.29	45.28	0.40	-0.34	0.53	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	FundatieP	11.05	-14.73	77.41	18.42	-0.15	-0.18	0.23	0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	FundatieX	21.22	22.51	130.75	30.94	0.33	-0.24	0.41	-0.06	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	FundatieXY	29.36	-32.31	-180.45	43.65	-0.31	-0.29	0.43	-0.09	0.00
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	FundatieY	38.48	41.44	-234.75	56.55	0.41	-0.44	0.60	0.06	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	FundatieP	89.68	-100.92	565.43	135.01	-1.06	-1.16	1.57	0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	FundatieX	70.94	83.45	463.93	109.52	0.94	-1.04	1.40	-0.32	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	FundatieXY	108.32	-121.34	-678.13	162.66	-1.18	-1.42	1.85	-0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	FundatieY	91.28	102.46	-576.98	137.22	1.17	-1.17	1.65	0.32	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	FundatieP	68.66	-82.46	452.71	107.30	-0.86	-1.03	1.34	0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	FundatieX	91.86	101.76	575.87	137.09	1.15	-1.16	1.63	-0.28	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	FundatieXY	89.42	-100.96	-565.48	134.86	-1.12	-1.12	1.59	-0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	FundatieY	110.11	122.73	-689.03	164.89	1.24	-1.46	1.92	0.28	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	FundatieP	89.71	-100.94	565.53	135.04	-1.06	-1.16	1.57	0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	FundatieX	70.96	83.46	464.02	109.55	0.94	-1.03	1.40	-0.32	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	FundatieXY	108.36	-121.37	-678.31	162.71	-1.18	-1.42	1.85	-0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRA,T	NR+	FundatieY	91.32	102.49	-577.15	137.27	1.17	-1.17	1.65	0.32	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	FundatieP	68.63	-82.45	452.64	107.28	-0.86	-1.03	1.34	0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	FundatieX	91.84	101.75	575.81	137.07	1.15	-1.16	1.63	-0.28	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	FundatieXY	89.38	-100.93	-565.33	134.82	-1.12	-1.12	1.59	-0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLA,T	NR-	FundatieY	110.08	122.71	-688.89	164.85	1.24	-1.46	1.92	0.28	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	FundatieP	89.70	-100.93	565.48	135.03	-1.06	-1.16	1.57	0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	FundatieX	70.95	83.45	463.97	109.54	0.94	-1.03	1.40	-0.32	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	FundatieXY	108.34	-121.36	-678.22	162.68	-1.18	-1.42	1.85	-0.29	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WL_0,T	BI+	FundatieY	91.30	102.47	-577.07	137.24	1.17	-1.17	1.65	0.32	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	FundatieP	68.65	-82.45	452.68	107.29	-0.86	-1.03	1.34	0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	FundatieX	91.85	101.76	575.85	137.08	1.15	-1.16	1.63	-0.28	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	FundatieXY	89.40	-100.95	-565.41	134.84	-1.12	-1.12	1.59	-0.33	0.00
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WR_0,T	BI-	FundatieY	110.10	122.72	-688.96	164.87	1.24	-1.46	1.92	0.28	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	FundatieP	18.34	-21.18	116.60	28.02	-0.22	-0.25	0.33	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	FundatieX	11.88	14.33	80.58	18.61	0.22	-0.20	0.30	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	FundatieXY	32.32	-35.75	-199.29	48.19	-0.31	-0.38	0.49	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRB,T	NL+	FundatieY	26.17	28.65	-163.39	38.80	0.33	-0.31	0.45	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	FundatieP	11.20	-14.10	77.24	18.01	-0.19	-0.19	0.27	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	FundatieX	19.02	21.41	119.93	28.64	0.25	-0.25	0.35	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	FundatieXY	25.58	-28.28	-159.89	38.13	-0.31	-0.29	0.42	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLB,T	NL-	FundatieY	32.92	36.13	-202.81	48.88	0.33	-0.39	0.51	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	FundatieP	18.35	-21.19	116.64	28.03	-0.22	-0.25	0.33	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	FundatieX	11.89	14.33	80.62	18.62	0.22	-0.20	0.30	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	FundatieXY	32.34	-35.76	-199.37	48.22	-0.31	-0.38	0.49	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WRA,T	NR+	FundatieY	26.19	28.67	-163.48	38.83	0.33	-0.31	0.45	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	FundatieP	11.19	-14.09	77.21	18.00	-0.19	-0.19	0.27	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	FundatieX	19.01	21.40	119.89	28.63	0.25	-0.25	0.36	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	FundatieXY	25.57	-28.26	-159.82	38.11	-0.31	-0.29	0.42	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WLA,T	NR-	FundatieY	32.90	36.11	-202.73	48.85	0.33	-0.39	0.51	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WL_0,T	BI+	FundatieP	18.34	-21.18	116.62	28.02	-0.22	-0.25	0.33	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WL_0,T	BI+	FundatieX	11.89	14.33	80.60	18.62	0.22	-0.20	0.30	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WL_0,T	BI+	FundatieXY	32.33	-35.75	-199.33	48.21	-0.31	-0.38	0.49	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WL_0,T	BI+	FundatieY	26.18	28.66	-163.44	38.82	0.33	-0.31	0.45	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WR_0,T	BI-	FundatieP	11.20	-14.10	77.22	18.00	-0.19	-0.19	0.27	0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WR_0,T	BI-	FundatieX	19.02	21.40	119.92	28.63	0.25	-0.25	0.36	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WR_0,T	BI-	FundatieXY	25.57	-28.27	-159.85	38.12	-0.31	-0.29	0.42	-0.08	0.00
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9	WR_0,T	BI-	FundatieY	32.91	36.12	-202.77	48.87	0.33	-0.39	0.51	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	0.9	GW,T	Global	FundatieP	14.29	-17.00	93.76	22.21	-0.20	-0.22	0.30	0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	0.9	GW,T	Global	FundatieX	14.72	17.26	96.01	22.68	0.22	-0.22	0.31	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	0.9	GW,T	Global	FundatieXY	27.37	-30.30	-170.37	40.83	-0.29	-0.33	0.44	-0.07	0.00
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	0.9	GW,T	Global	FundatieY	27.77	30.60	-172.67	41.32	0.30	-0.33	0.45	0.07	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20	22	50,T	NL+	FundatieP	34.06	-35.16	208.39	48.95	-0.57	-0.41	0.70	0.08	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20	22	50,T	NL+	FundatieX	15.73	23.31	115.61	28.12	0.11	-0.34	0.36	-0.15	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20	22	50,T	NL+	FundatieXY	49.05	-53.40	-305.36	72.51	-0.58	-0.67	0.88	-0.07	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20	22	50,T	NL+	FundatieY	33.25	38.07	-209.65	50.55	0.34	-0.36	0.49	0.15	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30	32	52,T	NL+	FundatieP	28.15	-36.30	183.75	45.94	-0.12	-0.42	0.44	0.14	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30	32	52,T	NL+	FundatieX	21.42	21.90	138.76	30.63	0.57	-0.32	0.65	-0.08	0.00

32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRB	3	30	32	52,T	NL+	FundatieXY	44.97	-52.03	-278.74	68.78	-0.28	-0.51	0.58	-0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRB	3	30	32	52,T	NL+	FundatieY	37.45	39.52	-236.71	54.44	0.64	-0.51	0.81	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	1	20	22	50,T	NL-	FundatieP	20.81	-21.62	135.73	30.01	-0.54	-0.32	0.63	0.09	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	1	20	22	50,T	NL-	FundatieX	28.93	36.76	187.73	46.78	0.14	-0.43	0.45	-0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	1	20	22	50,T	NL-	FundatieXY	36.83	-38.99	-232.94	53.63	-0.62	-0.50	0.79	-0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	1	20	22	50,T	NL-	FundatieY	45.55	52.50	-282.17	69.50	0.29	-0.52	0.60	0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	3	30	32	52,T	NL-	FundatieP	14.96	-22.87	111.60	27.33	-0.09	-0.33	0.35	0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	3	30	32	52,T	NL-	FundatieX	34.71	35.43	211.50	49.60	0.60	-0.41	0.72	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	3	30	32	52,T	NL-	FundatieXY	32.70	-37.61	-206.20	49.84	-0.32	-0.34	0.47	-0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLB	3	30	32	52,T	NL-	FundatieY	49.72	53.94	-309.24	73.36	0.60	-0.68	0.90	0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	1	20	22	50,T	NR+	FundatieP	34.11	-35.19	208.62	49.01	-0.57	-0.41	0.70	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	1	20	22	50,T	NR+	FundatieX	15.77	23.35	115.77	28.17	0.11	-0.34	0.36	-0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	1	20	22	50,T	NR+	FundatieXY	49.11	-53.44	-305.62	72.58	-0.58	-0.67	0.88	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	1	20	22	50,T	NR+	FundatieY	33.29	38.11	-209.84	50.60	0.34	-0.36	0.49	0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	3	30	32	52,T	NR+	FundatieP	28.19	-36.34	183.91	45.99	-0.12	-0.42	0.44	0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	3	30	32	52,T	NR+	FundatieX	21.47	21.93	138.98	30.69	0.57	-0.32	0.65	-0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	3	30	32	52,T	NR+	FundatieXY	45.02	-52.07	-278.92	68.83	-0.28	-0.51	0.58	-0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WRA	3	30	32	52,T	NR+	FundatieY	37.51	39.56	-236.96	54.51	0.64	-0.51	0.81	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	1	20	22	50,T	NR-	FundatieP	20.76	-21.59	135.53	29.96	-0.54	-0.32	0.63	0.09	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	1	20	22	50,T	NR-	FundatieX	28.90	36.73	187.59	46.73	0.14	-0.43	0.45	-0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	1	20	22	50,T	NR-	FundatieXY	36.78	-38.95	-232.71	53.57	-0.62	-0.50	0.79	-0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	1	20	22	50,T	NR-	FundatieY	45.51	52.47	-282.01	69.45	0.30	-0.52	0.60	0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	3	30	32	52,T	NR-	FundatieP	14.93	-22.84	111.46	27.28	-0.09	-0.34	0.35	0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	3	30	32	52,T	NR-	FundatieX	34.66	35.40	211.30	49.55	0.59	-0.41	0.72	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	3	30	32	52,T	NR-	FundatieXY	32.66	-37.58	-206.04	49.79	-0.32	-0.34	0.47	-0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1a	EWL	WLA	3	30	32	52,T	NR-	FundatieY	49.67	53.90	-309.01	73.30	0.60	-0.68	0.90	0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	FundatieP	29.84	-27.93	179.45	40.87	-0.68	-0.33	0.76	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	FundatieX	14.74	24.30	110.18	28.42	-0.06	-0.33	0.33	-0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	FundatieXY	45.88	-48.49	-285.77	66.76	-0.66	-0.64	0.92	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	FundatieY	34.18	39.84	-211.73	52.49	0.22	-0.31	0.38	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	FundatieP	19.36	-29.69	136.02	35.44	0.10	-0.36	0.38	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	FundatieX	24.50	21.66	148.85	32.70	0.72	-0.28	0.77	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	FundatieXY	39.09	-45.82	-240.11	60.23	-0.17	-0.36	0.40	-0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	FundatieY	41.24	42.67	-258.32	59.34	0.71	-0.58	0.92	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	FundatieP	23.58	-21.89	145.37	32.18	-0.65	-0.28	0.71	0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	FundatieX	21.02	30.35	144.27	36.92	-0.03	-0.37	0.37	-0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	FundatieXY	40.12	-41.95	-251.62	58.05	-0.66	-0.56	0.87	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	FundatieY	39.97	46.38	-245.92	61.22	0.21	-0.39	0.45	0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	FundatieP	13.01	-23.63	101.59	26.98	0.14	-0.32	0.35	0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	FundatieX	30.79	27.65	183.00	41.39	0.75	-0.32	0.82	-0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	FundatieXY	33.29	-39.27	-205.72	51.48	-0.17	-0.28	0.33	-0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	FundatieY	47.04	49.23	-292.73	68.09	0.70	-0.67	0.97	0.03	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	FundatieP	29.86	-27.94	179.53	40.89	-0.68	-0.33	0.76	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	FundatieX	14.74	24.31	110.19	28.43	-0.06	-0.33	0.33	-0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	FundatieXY	45.90	-48.51	-285.88	66.78	-0.66	-0.64	0.92	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	FundatieY	34.19	39.85	-211.77	52.50	0.22	-0.31	0.38	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	FundatieP	19.36	-29.70	136.03	35.46	0.10	-0.36	0.38	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	FundatieX	24.52	21.66	148.93	32.72	0.72	-0.28	0.77	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	FundatieXY	39.11	-45.83	-240.15	60.25	-0.17	-0.36	0.40	-0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	FundatieY	41.26	42.69	-258.43	59.37	0.71	-0.59	0.92	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	1	20	22	50,T	NR-	FundatieP	23.56	-21.89	145.29	32.16	-0.65	-0.28	0.71	0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	1	20	22	50,T	NR-	FundatieX	21.01	30.34	144.26	36.91	-0.03	-0.37	0.37	-0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	1	20	22	50,T	NR-	FundatieXY	40.10	-41.94	-251.51	58.02	-0.66	-0.56	0.87	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	1	20	22	50,T	NR-	FundatieY	39.95	46.37	-245.89	61.21	0.21	-0.39	0.45	0.15	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	3	30	32	52,T	NR-	FundatieP	13.01	-23.62	101.57	26.97	0.14	-0.32	0.35	0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	3	30	32	52,T	NR-	FundatieX	30.77	27.65	182.92	41.37	0.75	-0.32	0.82	-0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	3	30	32	52,T	NR-	FundatieXY	33.27	-39.26	-205.68	51.46	-0.17	-0.28	0.33	-0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	3	30	32	52,T	NR-	FundatieY	47.02	49.22	-292.63	68.07	0.70	-0.67	0.97	0.03	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	1	20	22	50,T	NL+	FundatieP	48.25	-50.32	298.49	69.71	-0.81	-0.60	1.01	0.12	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	1	20	22	50,T	NL+	FundatieX	31.03	41.89	214.17	52.13	0.23	-0.55	0.60	-0.21	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	1	20	22	50,T	NL+	FundatieXY	64.25	-70.06	-402.51	95.06	-0.82	-0.89	1.21	-0.12	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	1	20	22	50,T	NL+	FundatieY	49.96	57.57	-314.80	76.23	0.48	-0.57	0.75	0.21	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	3	30	32	52,T	NL+	FundatieP	40.92	-51.62	267.90	65.87	-0.26	-0.62	0.67	0.20	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	3	30	32	52,T	NL+	FundatieX	37.94	40.09	242.01	55.20	0.78	-0.53	0.94	-0.13	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	3	30	32	52,T	NL+	FundatieXY	59.33	-68.32	-370.09	90.49	-0.46	-0.70	0.84	-0.20	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRB	3	30	32	52,T	NL+	FundatieY	55.06	59.42	-347.82	81.01	0.84	-0.76	1.13	0.13	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	1	20	22	50,T	NL-	FundatieP	36.98	-39.77	237.48	54.30	-0.74	-0.53	0.91	0.14	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	1	20	22	50,T	NL-	FundatieX	42.20	52.30	274.34	67.20	0.30	-0.62	0.69	-0.19	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	1	20	22	50,T	NL-	FundatieXY	54.06	-58.59	-341.80	79.72	-0.82	-0.74	1.10	-0.13	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	1	20	22	50,T	NL-	FundatieY	60.18	69.01	-375.40	91.57	0.49	-0.72	0.87	0.19	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	3	30	32	52,T	NL-	FundatieP	29.70	-41.17	207.37	50.77	-0.18	-0.55	0.58	0.21	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	3	30	32	52,T	NL-	FundatieX	49.22	50.59	302.89	70.58	0.86	-0.60	1.04	-0.12	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	3	30	32	52,T	NL-	FundatieXY	49.08	-56.84	-309.19	75.10	-0.46	-0.54	0.71	-0.22	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WLB	3	30	32	52,T	NL-	FundatieY	65.26	70.86	-408.49	96.33	0.85	-0.91	1.24	0.11	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	1	20	22	50,T	NR+	FundatieP	48.28	-50.33	298.62	69.75	-0.82	-0.60	1.01	0.12	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	1	20	22	50,T	NR+	FundatieX	31.04	41.91	214.22	52.15	0.23	-0.55	0.60	-0.21	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	1	20	22	50,T	NR+	FundatieXY	64.28	-70.09	-402.67	95.10	-0.82	-0.89	1.21	-0.12	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind + ice	WRA	1	20	22	50,T	NR+	FundatieY	49.98	57.59	-314.88	76.25	0.48	-0.57	0.74	0.21	0.00

32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	WLA 3 30	32 52,T	NR+	FundatieP	40.94	-51.63	267.96	65.89	-0.26	-0.62	0.67	0.20	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	WLA 3 30	32 52,T	NR+	FundatieX	37.98	40.11	242.14	55.23	0.78	-0.53	0.94	-0.13	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	WLA 3 30	32 52,T	NR+	FundatieXY	59.36	-68.34	-370.17	90.51	-0.46	-0.70	0.84	-0.20	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	WLA 3 30	32 52,T	NR+	FundatieY	55.10	59.44	-347.99	81.05	0.84	-0.76	1.13	0.13	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 5 23	25 51,T	NL+	FundatieP	-4.06	-31.29	80.59	31.55	1.11	-1.47	1.84	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 5 23	25 51,T	NL+	FundatieX	18.05	-14.42	12.13	23.10	1.35	1.26	1.85	-0.09	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 5 23	25 51,T	NL+	FundatieXY	43.27	-11.03	-157.62	44.65	-1.54	1.02	1.85	-0.07	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 5 23	25 51,T	NL+	FundatieY	-1.97	33.72	-95.53	33.78	-1.11	-1.47	1.84	0.02	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 7 33	35 53,T	NL+	FundatieP	27.88	3.04	67.68	28.05	-1.30	1.17	1.75	0.10	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 7 33	35 53,T	NL+	FundatieX	-13.89	19.87	25.09	24.24	-1.06	-1.39	1.75	0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 7 33	35 53,T	NL+	FundatieXY	7.58	-45.33	-150.93	45.96	1.19	-1.57	1.97	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRB 7 33	35 53,T	NL+	FundatieY	33.72	-0.59	-102.27	33.72	1.61	1.13	1.96	0.07	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 5 23	25 51,T	NL-	FundatieP	-14.45	-19.74	22.31	24.47	1.09	-1.38	1.76	-0.00	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 5 23	25 51,T	NL-	FundatieX	28.50	-2.88	70.66	28.64	1.33	1.17	1.77	-0.09	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 5 23	25 51,T	NL-	FundatieXY	33.21	0.83	-99.31	33.23	-1.59	1.14	1.95	-0.07	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 5 23	25 51,T	NL-	FundatieY	8.15	45.61	-154.13	46.33	-1.16	-1.58	1.96	0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 7 33	35 53,T	NL-	FundatieP	17.45	14.51	9.36	22.70	-1.32	1.26	1.82	0.10	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 7 33	35 53,T	NL-	FundatieX	-3.41	31.41	83.56	31.59	-1.08	-1.47	1.82	0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 7 33	35 53,T	NL-	FundatieXY	-2.44	-33.45	-92.59	33.54	1.14	-1.45	1.84	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLB 7 33	35 53,T	NL-	FundatieY	43.80	11.35	-160.82	45.25	1.56	1.01	1.86	0.06	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 5 23	25 51,T	NR+	FundatieP	-4.02	-31.32	80.75	31.57	1.11	-1.47	1.84	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 5 23	25 51,T	NR+	FundatieX	18.09	-14.40	12.30	23.12	1.35	1.26	1.85	-0.09	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 5 23	25 51,T	NR+	FundatieXY	43.32	-11.07	-157.84	44.71	-1.54	1.02	1.85	-0.07	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 5 23	25 51,T	NR+	FundatieY	-1.92	33.76	-95.76	33.82	-1.11	-1.46	1.84	0.02	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 7 33	35 53,T	NR+	FundatieP	27.92	3.01	67.84	28.08	-1.30	1.17	1.75	0.10	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 7 33	35 53,T	NR+	FundatieX	-13.85	19.90	25.25	24.24	-1.06	-1.39	1.75	0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 7 33	35 53,T	NR+	FundatieXY	7.63	-45.37	-151.15	46.01	1.19	-1.57	1.97	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WRA 7 33	35 53,T	NR+	FundatieY	33.77	-0.55	-102.49	33.77	1.61	1.13	1.97	0.07	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 5 23	25 51,T	NR-	FundatieP	-14.49	-19.72	22.15	24.47	1.09	-1.38	1.76	-0.00	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 5 23	25 51,T	NR-	FundatieX	28.46	-2.91	70.50	28.61	1.33	1.17	1.77	-0.09	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 5 23	25 51,T	NR-	FundatieXY	33.17	0.87	-99.11	33.18	-1.58	1.14	1.95	-0.07	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 5 23	25 51,T	NR-	FundatieY	8.10	45.58	-153.92	46.29	-1.16	-1.58	1.96	0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 7 33	35 53,T	NR-	FundatieP	17.42	14.54	9.21	22.69	-1.32	1.26	1.82	0.10	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 7 33	35 53,T	NR-	FundatieX	-3.45	31.38	83.41	31.57	-1.08	-1.47	1.83	0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 7 33	35 53,T	NR-	FundatieXY	-2.49	-33.42	-92.38	33.51	1.14	-1.45	1.84	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9 WLA 7 33	35 53,T	NR-	FundatieY	43.75	11.31	-160.61	45.19	1.56	1.01	1.86	0.06	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9 WRB 5 23	25 51,T	NL+	FundatieP	-9.68	-21.41	35.60	23.50	1.05	-1.23	1.62	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9 WRB 5 23	25 51,T	NL+	FundatieX	15.06	-14.80	0.96	21.12	1.20	1.18	1.68	-0.07	0.00

32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	FundatieXY	37.59	-7.90	-131.36	38.41	-1.37	0.97	1.68	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRB	5	23	25	51,T	NL+	FundatieY	1.71	33.50	-103.15	33.54	-0.99	-1.32	1.66	-0.00	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	FundatieP	18.57	9.21	22.93	20.73	-1.09	1.13	1.57	0.09	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	FundatieX	-13.19	15.81	13.68	20.59	-0.94	-1.18	1.51	0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	FundatieXY	5.55	-38.52	-124.42	38.91	1.07	-1.34	1.72	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRB	7	33	35	53,T	NL+	FundatieY	33.75	2.88	-110.14	33.87	1.45	0.99	1.75	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	FundatieP	-15.05	-15.97	5.72	21.94	1.07	-1.19	1.60	-0.00	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	FundatieX	20.41	-9.42	30.64	22.48	1.22	1.13	1.66	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	FundatieXY	32.42	-2.29	-101.51	32.50	-1.37	1.03	1.71	-0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	5	23	25	51,T	NL-	FundatieY	6.91	39.11	-133.12	39.72	-0.99	-1.39	1.70	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	7	33	35	53,T	NL-	FundatieP	13.20	14.62	-6.96	19.70	-1.07	1.17	1.59	0.09	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	7	33	35	53,T	NL-	FundatieX	-7.84	21.20	43.35	22.60	-0.92	-1.23	1.53	0.03	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	7	33	35	53,T	NL-	FundatieXY	0.39	-32.91	-94.56	32.91	1.08	-1.27	1.67	-0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLB	7	33	35	53,T	NL-	FundatieY	38.94	8.52	-140.10	39.86	1.46	0.93	1.73	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	5	23	25	51,T	NR+	FundatieP	-9.68	-21.41	35.62	23.50	1.05	-1.23	1.62	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	5	23	25	51,T	NR+	FundatieX	15.07	-14.80	0.99	21.12	1.20	1.18	1.68	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	5	23	25	51,T	NR+	FundatieXY	37.61	-7.91	-131.43	38.43	-1.37	0.97	1.68	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	5	23	25	51,T	NR+	FundatieY	1.73	33.51	-103.23	33.55	-0.99	-1.32	1.65	-0.00	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	7	33	35	53,T	NR+	FundatieP	18.58	9.21	22.95	20.74	-1.09	1.13	1.57	0.09	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	7	33	35	53,T	NR+	FundatieX	-13.18	15.82	13.71	20.59	-0.94	-1.18	1.51	0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	7	33	35	53,T	NR+	FundatieXY	5.57	-38.53	-124.49	38.93	1.07	-1.34	1.72	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WRA	7	33	35	53,T	NR+	FundatieY	33.77	2.89	-110.22	33.89	1.45	0.99	1.76	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	FundatieP	-15.06	-15.97	5.69	21.95	1.07	-1.19	1.60	-0.00	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	FundatieX	20.40	-9.43	30.63	22.47	1.22	1.13	1.66	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	FundatieXY	32.40	-2.28	-101.43	32.48	-1.37	1.03	1.71	-0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	5	23	25	51,T	NR-	FundatieY	6.90	39.10	-133.06	39.71	-0.99	-1.39	1.70	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	FundatieP	13.19	14.62	-6.99	19.69	-1.07	1.17	1.59	0.09	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	FundatieX	-7.85	21.19	43.33	22.60	-0.92	-1.23	1.53	0.03	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	FundatieXY	0.38	-32.89	-94.48	32.90	1.08	-1.27	1.67	-0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 1b Cold	0.9	WLA	7	33	35	53,T	NR-	FundatieY	38.93	8.50	-140.03	39.84	1.46	0.93	1.73	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	FundatieP	-6.94	-75.61	207.86	75.93	2.50	-3.49	4.29	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	FundatieX	58.01	-16.45	120.65	60.30	3.19	2.78	4.24	-0.23	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	FundatieXY	87.87	-11.36	-293.20	88.60	-3.63	2.50	4.41	-0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25	51,T	NL+	FundatieY	-5.38	79.90	-220.74	80.08	-2.71	-3.48	4.41	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	FundatieP	67.75	4.76	176.07	67.92	-3.12	2.69	4.12	0.24	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	FundatieX	-16.68	63.86	152.52	66.01	-2.42	-3.41	4.18	0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	FundatieXY	4.12	-91.68	-275.84	91.77	2.80	-3.58	4.55	-0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35	53,T	NL+	FundatieY	78.36	-0.46	-238.19	78.36	3.72	2.59	4.53	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	FundatieP	-17.92	-63.58	146.58	66.06	2.49	-3.41	4.22	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	FundatieX	69.05	-4.48	182.09	69.19	3.18	2.69	4.17	-0.23	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	FundatieXY	77.35	1.08	-231.96	77.36	-3.67	2.62	4.51	-0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25	51,T	NL-	FundatieY	5.20	92.33	-282.32	92.48	-2.76	-3.61	4.54	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	FundatieP	56.72	16.69	114.71	59.13	-3.13	2.79	4.19	0.24	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	FundatieX	-5.62	75.86	213.86	76.07	-2.43	-3.49	4.25	0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	FundatieXY	-6.36	-79.25	-214.51	79.51	2.75	-3.45	4.41	-0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35	53,T	NL-	FundatieY	88.91	12.06	-299.66	89.72	3.67	2.47	4.43	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	FundatieP	-6.90	-75.64	208.01	75.95	2.50	-3.49	4.29	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	FundatieX	58.05	-16.42	120.81	60.33	3.19	2.78	4.24	-0.23	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	FundatieXY	87.92	-11.40	-293.42	88.66	-3.63	2.50	4.41	-0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25	51,T	NR+	FundatieY	-5.33	79.94	-220.97	80.12	-2.71	-3.48	4.41	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	7	33	35	53,T	NR+	FundatieP	67.79	4.73	176.22	67.96	-3.12	2.69	4.12	0.24	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	7	33	35	53,T	NR+	FundatieX	-16.64	63.89	152.68	66.02	-2.42	-3.41	4.18	0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	7	33	35	53,T	NR+	FundatieXY	4.17	-91.72	-276.06	91.81	2.80	-3.58	4.55	-0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WRA	7	33	35	53,T	NR+	FundatieY	78.41	-0.43	-238.41	78.42	3.72	2.59	4.53	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	5	23	25	51,T	NR-	FundatieP	-17.96	-63.56	146.43	66.05	2.49	-3.41	4.22	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	5	23	25	51,T	NR-	FundatieX	69.01	-4.50	181.94	69.16	3.18	2.69	4.17	-0.23	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	5	23	25	51,T	NR-	FundatieXY	77.30	1.12	-231.74	77.31	-3.67	2.62	4.51	-0.17	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	5	23	25	51,T	NR-	FundatieY	5.15	92.29	-282.10	92.44	-2.76	-3.61	4.54	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	7	33	35	53,T	NR-	FundatieP	56.68	16.71	114.55	59.10	-3.13	2.78	4.19	0.24	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	7	33	35	53,T	NR-	FundatieX	-5.66	75.84	213.71	76.05	-2.43	-3.49	4.25	0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	7	33	35	53,T	NR-	FundatieXY	-6.41	-79.21	-214.29	79.47	2.76	-3.45	4.41	-0.06	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 3 Wind + ice	0.9	WLA	7	33	35	53,T	NR-	FundatieY	88.86	12.02	-299.44	89.67	3.67	2.47	4.43	0.16	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	5	23	25	51,T	NL+	FundatieP	-4.15	-22.87	55.00	23.24	0.86	-1.11	1.41	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	5	23	25	51,T	NL+	FundatieX	11.58	-13.41	-3.68	17.71	1.02	0.98	1.42	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	5	23	25	51,T	NL+	FundatieXY	34.88	-10.35	-130.80	36.38	-1.18	0.77	1.41	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	5	23	25	51,T	NL+	FundatieY	-0.76	26.35	-77.23	26.36	-0.84	-1.12	1.40	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	7	33	35	53,T	NL+	FundatieP	19.66	3.26	42.73	19.93	-0.94	0.90	1.30	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	7	33	35	53,T	NL+	FundatieX	-12.23	12.71	8.62	17.63	-0.78	-1.04	1.30	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	7	33	35	53,T	NL+	FundatieXY	7.28	-36.47	-123.48	37.19	0.93	-1.20	1.51	-0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WRB	7	33	35	53,T	NL+	FundatieY	26.84	0.23	-84.57	26.84	1.27	0.84	1.52	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	5	23	25	51,T	NL-	FundatieP	-12.68	-12.64	6.42	17.90	0.81	-1.03	1.31	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	5	23	25	51,T	NL-	FundatieX	20.19	-3.14	45.25	20.44	0.97	0.90	1.32	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	5	23	25	51,T	NL-	FundatieXY	26.44	-0.05	-82.22	26.44	-1.24	0.85	1.51	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	5	23	25	51,T	NL-	FundatieY	7.76	36.71	-126.21	37.52	-0.90	-1.21	1.51	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	7	33	35	53,T	NL-	FundatieP	11.12	13.46	-5.88	17.46	-1.00	0.98	1.40	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	7	33	35	53,T	NL-	FundatieX	-3.61	22.98	57.53	23.26	-0.83	-1.11	1.39	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	7	33	35	53,T	NL-	FundatieXY	-1.14	-26.17	-74.88	26.19	0.86	-1.11	1.41	-0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc 4 Con & Main	0.9	WLB	7	33	35	53,T	NL-	FundatieY	35.35	10.61	-133.53	36.91	1.20	0.76	1.42	0.05	0.00

32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	5	23	25	51,T	NR+	FundatieP	-4.11	-22.89	55.17	23.26	0.86	-1.11	1.41	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	5	23	25	51,T	NR+	FundatieX	11.62	-13.38	-3.52	17.72	1.02	0.98	1.42	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	5	23	25	51,T	NR+	FundatieXY	34.93	-10.39	-131.02	36.44	-1.18	0.77	1.41	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	5	23	25	51,T	NR+	FundatieY	-0.71	26.39	-77.45	26.40	-0.84	-1.12	1.40	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	7	33	35	53,T	NR+	FundatieP	19.70	3.24	42.89	19.97	-0.94	0.90	1.30	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	7	33	35	53,T	NR+	FundatieX	-12.19	12.74	8.79	17.63	-0.78	-1.04	1.30	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	7	33	35	53,T	NR+	FundatieXY	7.33	-36.51	-123.70	37.24	0.93	-1.20	1.51	-0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WRA	7	33	35	53,T	NR+	FundatieY	26.89	0.27	-84.79	26.89	1.27	0.84	1.52	0.04	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	5	23	25	51,T	NR-	FundatieP	-12.72	-12.61	6.26	17.91	0.81	-1.04	1.31	-0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	5	23	25	51,T	NR-	FundatieX	20.15	-3.17	45.09	20.40	0.97	0.90	1.32	-0.07	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	5	23	25	51,T	NR-	FundatieXY	26.40	-0.01	-82.01	26.40	-1.24	0.85	1.51	-0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	5	23	25	51,T	NR-	FundatieY	7.71	36.68	-125.99	37.48	-0.90	-1.21	1.51	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	7	33	35	53,T	NR-	FundatieP	11.08	13.49	-6.04	17.46	-1.00	0.98	1.40	0.08	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	7	33	35	53,T	NR-	FundatieX	-3.65	22.95	57.37	23.24	-0.84	-1.11	1.39	0.01	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	7	33	35	53,T	NR-	FundatieXY	-1.19	-26.13	-74.67	26.16	0.86	-1.11	1.41	-0.02	0.00
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	0.9	WLA	7	33	35	53,T	NR-	FundatieY	35.30	10.57	-133.31	36.85	1.20	0.76	1.42	0.05	0.00
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+	FundatieP	32.27	-37.11	203.74	49.18	-0.36	-0.44	0.57	0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+	FundatieX	20.33	24.79	138.60	32.06	0.35	-0.37	0.50	-0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+	FundatieXY	46.18	-52.10	-288.60	69.62	-0.43	-0.60	0.74	-0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+	FundatieY	35.21	38.84	-223.38	52.42	0.49	-0.44	0.66	0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-	FundatieP	19.83	-24.41	135.93	31.45	-0.34	-0.36	0.49	0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-	FundatieX	32.81	37.50	206.45	49.82	0.37	-0.44	0.58	-0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-	FundatieXY	34.78	-38.38	-220.70	51.79	-0.48	-0.43	0.65	-0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-	FundatieY	46.64	52.56	-291.32	70.27	0.43	-0.60	0.74	0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+	FundatieP	32.32	-37.15	203.96	49.24	-0.36	-0.44	0.57	0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+	FundatieX	20.38	24.83	138.81	32.12	0.35	-0.36	0.50	-0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+	FundatieXY	46.23	-52.14	-288.82	69.68	-0.43	-0.60	0.74	-0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+	FundatieY	35.26	38.87	-223.60	52.48	0.49	-0.44	0.66	0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLA	Ba,T	NR-	FundatieP	19.79	-24.37	135.73	31.39	-0.34	-0.36	0.49	0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLA	Ba,T	NR-	FundatieX	32.76	37.47	206.26	49.77	0.37	-0.44	0.58	-0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLA	Ba,T	NR-	FundatieXY	34.74	-38.34	-220.51	51.74	-0.48	-0.43	0.65	-0.12	0.00		
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLA	Ba,T	NR-	FundatieY	46.59	52.53	-291.13	70.22	0.43	-0.60	0.74	0.11	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	Ba,T	NL+	FundatieP	27.39	-31.76	175.37	41.94	-0.34	-0.39	0.52	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	Ba,T	NL+	FundatieX	22.46	26.87	148.74	35.02	0.33	-0.37	0.49	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	Ba,T	NL+	FundatieXY	41.54	-46.53	-260.21	62.37	-0.43	-0.53	0.68	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	Ba,T	NL+	FundatieY	37.09	41.15	-233.54	55.40	0.45	-0.46	0.65	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	Ba,T	NL-	FundatieP	21.97	-26.49	146.17	34.42	-0.32	-0.36	0.48	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	Ba,T	NL-	FundatieX	27.89	32.14	177.95	42.55	0.35	-0.40	0.53	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	Ba,T	NL-	FundatieXY	36.67	-40.71	-230.96	54.79	-0.45	-0.45	0.64	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	Ba,T	NL-	FundatieY	41.97	46.97	-262.80	62.98	0.43	-0.54	0.69	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	Ba,T	NR+	FundatieP	27.41	-31.78	175.44	41.96	-0.34	-0.39	0.52	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	Ba,T	NR+	FundatieX	22.48	26.88	148.81	35.04	0.33	-0.37	0.49	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	Ba,T	NR+	FundatieXY	41.55	-46.54	-260.29	62.39	-0.43	-0.53	0.68	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	Ba,T	NR+	FundatieY	37.11	41.16	-233.61	55.42	0.45	-0.46	0.65	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	Ba,T	NR-	FundatieP	21.96	-26.48	146.10	34.40	-0.32	-0.36	0.48	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	Ba,T	NR-	FundatieX	27.87	32.13	177.88	42.53	0.35	-0.40	0.53	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	Ba,T	NR-	FundatieXY	36.66	-40.70	-230.90	54.77	-0.45	-0.45	0.64	-0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLA	Ba,T	NR-	FundatieY	41.95	46.95	-262.73	62.97	0.43	-0.54	0.69	0.11	0.00			
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRB	Ba,T	NL+	FundatieP	73.48	-83.36	465.98	111.12	-0.89	-0.99	1.34	0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRB	Ba,T	NL+	FundatieX	60.84	72.01	398.51	94.27	0.79	-0.92	1.21	-0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRB	Ba,T	NL+	FundatieXY	89.47	-100.71	-563.59	134.71	-0.99	-1.20	1.56	-0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRB	Ba,T	NL+	FundatieY	78.21	88.06	-496.08	117.78	0.98	-1.02	1.42	0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLB	Ba,T	NL-	FundatieP	59.65	-71.11	392.25	92.81	-0.77	-0.92	1.20	0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLB	Ba,T	NL-	FundatieX	74.63	84.19	471.84	112.51	0.91	-1.00	1.35	-0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLB	Ba,T	NL-	FundatieXY	77.20	-86.98	-489.81	116.30	-0.98	-1.00	1.40	-0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLB	Ba,T	NL-	FundatieY	90.43	101.72	-569.46	136.11	1.00	-1.22	1.58	0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRA	Ba,T	NR+	FundatieP	73.51	-83.38	466.11	111.16	-0.90	-0.99	1.34	0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRA	Ba,T	NR+	FundatieX	60.87	72.03	398.62	94.31	0.79	-0.92	1.21	-0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRA	Ba,T	NR+	FundatieXY	89.50	-100.74	-563.72	134.75	-0.99	-1.20	1.56	-0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WRA	Ba,T	NR+	FundatieY	78.24	88.08	-496.20	117.81	0.98	-1.02	1.42	0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLA	Ba,T	NR-	FundatieP	59.62	-71.09	392.14	92.78	-0.77	-0.92	1.20	0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLA	Ba,T	NR-	FundatieX	74.61	84.18	471.74	112.48	0.91	-1.00	1.35	-0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLA	Ba,T	NR-	FundatieXY	77.18	-86.96	-489.70	116.27	-0.98	-1.00	1.40	-0.27	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	3	Wind +	ice	WLA	Ba,T	NR-	FundatieY	90.41	101.71	-569.36	136.08	1.00	-1.22	1.58	0.25	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRB	Ba,T	NL+	FundatieP	22.99	-26.88	148.09	35.37	-0.29	-0.34	0.45	0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRB	Ba,T	NL+	FundatieX	18.54	22.46	124.05	29.13	0.28	-0.32	0.42	-0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRB	Ba,T	NL+	FundatieXY	37.16	-41.63	-232.93	55.80	-0.38	-0.48	0.61	-0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRB	Ba,T	NL+	FundatieY	33.15	36.77	-208.85	49.51	0.40	-0.42	0.58	0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WLB	Ba,T	NL-	FundatieP	18.12	-22.14	121.81	28.61	-0.27	-0.32	0.42	0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WLB	Ba,T	NL-	FundatieX	23.43	27.21	150.34	35.90	0.30	-0.35	0.46	-0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WLB	Ba,T	NL-	FundatieXY	32.78	-36.39	-206.60	48.98	-0.40	-0.41	0.57	-0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WLB	Ba,T	NL-	FundatieY	37.54	42.01	-235.19	56.34	0.38	-0.48	0.62	0.09	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRA	Ba,T	NR+	FundatieP	23.01	-26.89	148.15	35.39	-0.29	-0.34	0.45	0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRA	Ba,T	NR+	FundatieX	18.56	22.47	124.11	29.14	0.28	-0.32	0.42	-0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRA	Ba,T	NR+	FundatieXY	37.18	-41.64	-233.00	55.82	-0.38	-0.48	0.61	-0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WRA	Ba,T	NR+	FundatieY	33.16	36.79	-208.91	49.53	0.40	-0.42	0.58	0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WLA	Ba,T	NR-	FundatieP	18.10	-22.13	121.75	28.59	-0.27	-0.32	0.42	0.10	0.00		
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con &	Main	WLA	Ba,T	NR-	FundatieX	23.41	27.20	150.27	35.89	0.30	-0.35	0.46	-0.10	0.00		

32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	FundatieXY	32.77	-36.38	-206.54	48.96	-0.40	-0.41	0.57	-0.10	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	FundatieY	37.52	42.00	-235.13	56.32	0.38	-0.48	0.62	0.09	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	FundatieP	-5.92	5.41	-36.96	8.01	0.12	0.07	0.14	-0.00	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	FundatieX	-12.41	-14.26	-75.11	18.90	-0.02	0.14	0.14	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	FundatieXY	10.52	-11.08	-58.89	15.27	-0.00	-0.05	0.05	0.00	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	FundatieY	3.81	2.51	-20.93	4.56	0.08	-0.00	0.08	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	FundatieP	-12.74	14.18	-76.60	19.06	0.05	0.14	0.15	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	FundatieX	-5.50	-5.42	-35.10	7.73	-0.09	0.07	0.11	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	FundatieXY	3.53	-2.47	-19.27	4.31	-0.06	0.01	0.06	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	FundatieY	10.88	11.19	-60.98	15.61	0.02	-0.06	0.07	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	FundatieP	-5.88	5.38	-36.81	7.97	0.12	0.07	0.14	-0.00	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	FundatieX	-12.37	-14.23	-74.95	18.85	-0.02	0.14	0.14	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	FundatieXY	10.56	-11.11	-59.10	15.33	-0.00	-0.05	0.05	0.00	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	FundatieY	3.86	2.54	-21.15	4.62	0.08	-0.00	0.08	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	FundatieP	-12.77	14.20	-76.76	19.10	0.05	0.14	0.15	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	FundatieX	-5.54	-5.45	-35.25	7.77	-0.09	0.07	0.11	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	FundatieXY	3.48	-2.44	-19.06	4.25	-0.06	0.01	0.06	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	FundatieY	10.84	11.15	-60.77	15.55	0.02	-0.06	0.07	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	FundatieP	-10.90	10.92	-66.94	15.43	0.16	0.14	0.21	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	FundatieX	-12.81	-15.28	-80.62	19.94	-0.03	0.18	0.19	0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	FundatieXY	9.01	-8.72	-47.39	12.54	0.00	0.00	0.00	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	FundatieY	6.51	5.20	-34.44	8.33	0.08	-0.01	0.08	-0.03	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	FundatieP	-14.47	14.94	-87.46	20.80	0.16	0.18	0.24	-0.00	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	FundatieX	-9.26	-11.29	-60.26	14.60	-0.03	0.14	0.15	0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	FundatieXY	5.37	-4.79	-26.93	7.20	0.00	0.03	0.03	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	FundatieY	10.20	9.15	-55.08	13.70	0.08	-0.04	0.09	-0.03	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	FundatieP	-10.89	10.92	-66.92	15.42	0.16	0.14	0.21	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	FundatieX	-12.80	-15.27	-80.60	19.93	-0.03	0.18	0.19	0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	FundatieXY	9.03	-8.73	-47.46	12.56	0.00	0.00	0.00	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	FundatieY	6.53	5.21	-34.52	8.35	0.08	-0.01	0.08	-0.03	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	FundatieP	-14.47	14.95	-87.49	20.81	0.16	0.18	0.24	-0.00	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	FundatieX	-9.27	-11.29	-60.27	14.61	-0.03	0.14	0.15	0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	FundatieXY	5.36	-4.78	-26.85	7.18	0.00	0.03	0.03	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	FundatieY	10.18	9.14	-55.01	13.68	0.08	-0.04	0.09	-0.03	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	FundatieP	-8.29	8.22	-51.19	11.68	0.12	0.10	0.16	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	FundatieX	-12.07	-13.92	-74.30	18.43	-0.03	0.15	0.15	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	FundatieXY	9.46	-9.51	-51.82	13.42	-0.01	-0.03	0.03	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	FundatieY	5.36	4.26	-29.09	6.85	0.07	-0.01	0.07	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	FundatieP	-12.83	13.78	-77.54	18.83	0.09	0.15	0.18	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	FundatieX	-7.51	-8.35	-47.85	11.23	-0.06	0.10	0.12	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	FundatieXY	4.80	-4.10	-25.53	6.31	-0.03	0.01	0.03	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	FundatieY	10.09	9.72	-55.64	14.00	0.05	-0.05	0.07	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	FundatieP	-8.28	8.21	-51.14	11.66	0.12	0.10	0.16	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	FundatieX	-12.06	-13.92	-74.24	18.41	-0.03	0.15	0.16	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	FundatieXY	9.49	-9.54	-51.94	13.46	-0.01	-0.03	0.03	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	FundatieY	5.39	4.28	-29.22	6.88	0.07	-0.01	0.07	-0.02	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	FundatieP	-12.85	13.79	-77.59	18.84	0.09	0.15	0.18	-0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	FundatieX	-7.52	-8.36	-47.91	11.25	-0.06	0.10	0.12	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	FundatieXY	4.77	-4.08	-25.40	6.28	-0.03	0.01	0.03	0.01	0.00
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	FundatieY	10.06	9.69	-55.52	13.97	0.05	-0.05	0.07	-0.02	0.00

Loads At Insulator Attachments For All Load Cases

Str. No.	Structure Name	Load Case	Insulator Label	Insulator Type	Structure Attach Label	Structure Attach Load X (kN)	Structure Attach Load Y (kN)	Structure Attach Load Z (kN)	Structure Attach Load Res. (kN)
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T0F8XY	Strain	TR1 FR 1S	0.326	0.138	4.807	4.820
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T0F8X	Strain	tr1X	-12.066	-0.076	2.713	12.367
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T3F1X	Strain	TR1 FR 3S	0.354	0.001	4.518	4.532
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T3F1XY	Strain	TR1 FR 3Y	-12.066	-0.077	2.711	12.367
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T2f1X	Strain	0TR2 OR FR 6XY	-10.774	-0.068	1.199	10.840
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T0F8Y	Strain	TR1 FR 3XY	-12.066	-0.077	2.710	12.366
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T0F8P	Strain	tr1XY	0.339	0.104	4.199	4.214
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T3F1P	Strain	0TR2 OR FR 6Y	-10.774	-0.068	1.200	10.840
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T2F1P	Strain	tr1Y	0.339	-0.102	4.043	4.059
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T2F1Y	Strain	tr1P	-12.066	-0.076	2.713	12.367
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T1F1X	Strain	TR1 FR 3X	0.354	-0.007	4.679	4.692
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T1F1Y	Strain	TR1 FR 1X	0.322	-0.149	4.894	4.907
32	h4dr19.#32.tow	NL1 10°C GW,T Global	T1F1P	Strain	TR1 FR 1XY	-12.066	-0.077	2.707	12.366

32	h4dr19.#32.tow	NL1 10°C	GW,T Global	T1F1XY	Strain	TR1 FR 1Y	-12.066	-0.077	2.708	12.366
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T0F8XY	Strain	TR1 FR 1S	0.707	0.862	8.705	8.776
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T0F8X	Strain	tr1X	-23.071	2.601	3.257	23.445
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T3F1X	Strain	TR1 FR 3S	0.815	0.565	8.443	8.501
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T3F1XY	Strain	TR1 FR 3Y	-23.062	2.597	3.255	23.435
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-20.409	1.890	1.441	20.547
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T0F8Y	Strain	TR1 FR 3XY	-23.060	2.596	3.254	23.433
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T0F8P	Strain	tr1XY	0.637	0.764	6.643	6.718
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-20.410	1.891	1.441	20.548
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T2F1P	Strain	tr1Y	0.709	0.356	6.813	6.859
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T2F1Y	Strain	tr1P	-23.074	2.603	3.258	23.448
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T1F1X	Strain	TR1 FR 3X	0.848	0.545	9.101	9.157
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T1F1Y	Strain	TR1 FR 1X	0.838	0.172	10.287	10.322
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T1F1P	Strain	TR1 FR 1XY	-23.049	2.591	3.251	23.421
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRB,T NL+	T1F1XY	Strain	TR1 FR 1Y	-23.050	2.592	3.251	23.422
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T0F8XY	Strain	TR1 FR 1S	0.842	-0.202	9.993	10.030
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T0F8X	Strain	tr1X	-23.042	-2.894	3.257	23.450
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T3F1X	Strain	TR1 FR 3S	0.817	-0.561	8.469	8.527
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T3F1XY	Strain	TR1 FR 3Y	-23.033	-2.889	3.255	23.440
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-20.383	-2.149	1.441	20.547
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T0F8Y	Strain	TR1 FR 3XY	-23.031	-2.889	3.254	23.438
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T0F8P	Strain	tr1XY	0.757	-0.333	7.517	7.563
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-20.385	-2.149	1.441	20.548
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T2F1P	Strain	tr1Y	0.594	-0.751	6.063	6.138
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T2F1Y	Strain	tr1P	-23.044	-2.895	3.258	23.453
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T1F1X	Strain	TR1 FR 3X	0.841	-0.578	9.059	9.116
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T1F1Y	Strain	TR1 FR 1X	0.700	-0.887	8.947	9.018
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T1F1P	Strain	TR1 FR 1XY	-23.020	-2.884	3.251	23.427
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-23.021	-2.884	3.251	23.428
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	0.707	0.863	8.728	8.799
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T0F8X	Strain	tr1X	-23.073	2.602	3.257	23.447
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T3F1X	Strain	TR1 FR 3S	0.816	0.565	8.463	8.521
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-23.064	2.597	3.255	23.437
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-20.411	1.891	1.441	20.549
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-23.062	2.597	3.254	23.435
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T0F8P	Strain	tr1XY	0.638	0.765	6.664	6.738
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-20.412	1.891	1.441	20.550
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T2F1P	Strain	tr1Y	0.710	0.355	6.828	6.874
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T2F1Y	Strain	tr1P	-23.076	2.603	3.258	23.450
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T1F1X	Strain	TR1 FR 3X	0.849	0.545	9.121	9.177
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	0.838	0.171	10.302	10.338
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-23.051	2.592	3.251	23.423
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-23.052	2.592	3.251	23.424
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	0.841	-0.203	9.977	10.014
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T0F8X	Strain	tr1X	-23.044	-2.894	3.257	23.452
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T3F1X	Strain	TR1 FR 3S	0.816	-0.561	8.449	8.506
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-23.035	-2.890	3.255	23.442
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-20.385	-2.149	1.441	20.549
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-23.033	-2.889	3.254	23.441
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T0F8P	Strain	tr1XY	0.757	-0.333	7.502	7.547
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-20.386	-2.150	1.441	20.550
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T2F1P	Strain	tr1Y	0.593	-0.750	6.044	6.120
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T2F1Y	Strain	tr1P	-23.047	-2.895	3.258	23.455
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T1F1X	Strain	TR1 FR 3X	0.840	-0.578	9.038	9.096
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	0.699	-0.886	8.925	8.996
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-23.022	-2.884	3.251	23.429
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-23.023	-2.884	3.251	23.430
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	0.707	0.863	8.717	8.788
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T0F8X	Strain	tr1X	-23.073	2.602	3.257	23.446
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	0.816	0.565	8.453	8.511
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T3F1XY	Strain	TR1 FR 3Y	-23.063	2.597	3.255	23.436
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T2f1X	Strain	0TR2 OR FR 6XY	-20.410	1.890	1.441	20.548
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T0F8Y	Strain	TR1 FR 3XY	-23.062	2.597	3.254	23.435
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T0F8P	Strain	tr1XY	0.637	0.765	6.654	6.728
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T3F1P	Strain	0TR2 OR FR 6Y	-20.412	1.891	1.441	20.550
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T2F1P	Strain	tr1Y	0.709	0.355	6.820	6.866
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T2F1Y	Strain	tr1P	-23.075	2.603	3.258	23.449
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T1F1X	Strain	TR1 FR 3X	0.848	0.545	9.111	9.167

32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T1F1Y	Strain	TR1 FR 1X	0.838	0.172	10.294	10.330
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T1F1P	Strain	TR1 FR 1XY	-23.051	2.591	3.251	23.423
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WL_0,T BI+	T1F1XY	Strain	TR1 FR 1Y	-23.052	2.592	3.251	23.424
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T0F8XY	Strain	TR1 FR 1S	0.841	-0.203	9.985	10.022
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T0F8X	Strain	tr1X	-23.043	-2.894	3.257	23.452
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T3F1X	Strain	TR1 FR 3S	0.816	-0.561	8.459	8.517
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T3F1XY	Strain	TR1 FR 3Y	-23.034	-2.890	3.255	23.442
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T2f1X	Strain	0TR2 OR FR 6XY	-20.385	-2.149	1.441	20.548
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T0F8Y	Strain	TR1 FR 3XY	-23.033	-2.889	3.254	23.440
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T0F8P	Strain	tr1XY	0.757	-0.333	7.510	7.555
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T3F1P	Strain	0TR2 OR FR 6Y	-20.386	-2.149	1.441	20.550
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T2F1P	Strain	tr1Y	0.593	-0.750	6.054	6.129
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T2F1Y	Strain	tr1P	-23.046	-2.895	3.258	23.455
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T1F1X	Strain	TR1 FR 3X	0.841	-0.578	9.049	9.106
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T1F1Y	Strain	TR1 FR 1X	0.700	-0.886	8.936	9.007
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T1F1P	Strain	TR1 FR 1XY	-23.022	-2.884	3.251	23.428
32	h4dr19.#32.tow	NL1 Lc 1a EWL	WR_0,T BI-	T1F1XY	Strain	TR1 FR 1Y	-23.022	-2.884	3.251	23.429
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T0F8XY	Strain	TR1 FR 1S	1.655	1.217	17.714	17.833
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T0F8X	Strain	tr1X	-16.873	0.897	3.256	17.207
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T3F1X	Strain	TR1 FR 3S	1.454	0.520	13.487	13.575
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T3F1XY	Strain	TR1 FR 3Y	-16.877	0.896	3.253	17.211
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-14.597	0.363	1.440	14.673
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T0F8Y	Strain	TR1 FR 3XY	-16.878	0.896	3.253	17.212
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T0F8P	Strain	tr1XY	0.778	0.761	7.650	7.727
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-14.597	0.363	1.440	14.672
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T2F1P	Strain	tr1Y	0.773	0.293	7.235	7.282
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T2F1Y	Strain	tr1P	-16.871	0.898	3.257	17.206
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T1F1X	Strain	TR1 FR 3X	1.744	0.482	16.621	16.719
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T1F1Y	Strain	TR1 FR 1X	1.801	-0.318	19.847	19.931
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T1F1P	Strain	TR1 FR 1XY	-16.883	0.895	3.250	17.216
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRB,T NL+	T1F1XY	Strain	TR1 FR 1Y	-16.882	0.895	3.250	17.216
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T0F8XY	Strain	TR1 FR 1S	1.752	0.228	18.638	18.722
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T0F8X	Strain	tr1X	-16.866	-1.111	3.256	17.213
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T3F1X	Strain	TR1 FR 3S	1.458	-0.514	13.517	13.605
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T3F1XY	Strain	TR1 FR 3Y	-16.870	-1.110	3.253	17.217
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-14.592	-0.548	1.440	14.673
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T0F8Y	Strain	TR1 FR 3XY	-16.871	-1.110	3.253	17.218
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T0F8P	Strain	tr1XY	0.938	-0.234	8.809	8.862
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-14.591	-0.548	1.440	14.672
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T2F1P	Strain	tr1Y	0.635	-0.717	6.317	6.390
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T2F1Y	Strain	tr1P	-16.865	-1.111	3.257	17.212
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T1F1X	Strain	TR1 FR 3X	1.740	-0.549	16.586	16.686
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T1F1Y	Strain	TR1 FR 1X	1.718	-1.310	19.027	19.149
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T1F1P	Strain	TR1 FR 1XY	-16.876	-1.109	3.250	17.222
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-16.876	-1.109	3.250	17.222
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	1.656	1.218	17.729	17.848
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T0F8X	Strain	tr1X	-16.873	0.898	3.256	17.208
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T3F1X	Strain	TR1 FR 3S	1.457	0.520	13.510	13.598
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-16.877	0.896	3.253	17.211
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-14.597	0.363	1.440	14.673
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-16.878	0.896	3.253	17.212
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T0F8P	Strain	tr1XY	0.781	0.763	7.678	7.755
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-14.597	0.363	1.440	14.672
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T2F1P	Strain	tr1Y	0.775	0.292	7.252	7.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T2F1Y	Strain	tr1P	-16.872	0.898	3.257	17.207
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T1F1X	Strain	TR1 FR 3X	1.746	0.482	16.638	16.737
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	1.802	-0.319	19.858	19.942
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-16.883	0.895	3.250	17.216
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-16.883	0.895	3.250	17.216
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	1.751	0.227	18.626	18.709
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T0F8X	Strain	tr1X	-16.866	-1.111	3.256	17.214
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T3F1X	Strain	TR1 FR 3S	1.455	-0.514	13.494	13.582
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-16.871	-1.110	3.253	17.217
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-14.592	-0.548	1.440	14.673
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-16.871	-1.110	3.253	17.218
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T0F8P	Strain	tr1XY	0.935	-0.235	8.788	8.841
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-14.591	-0.548	1.440	14.672
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T2F1P	Strain	tr1Y	0.632	-0.716	6.294	6.366

32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T2F1Y	Strain	tr1P	-16.865	-1.112	3.257	17.213
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T1F1X	Strain	TR1 FR 3X	1.738	-0.549	16.568	16.668
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	1.717	-1.310	19.014	19.136
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-16.877	-1.109	3.250	17.222
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-16.876	-1.109	3.250	17.222
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	1.656	1.218	17.721	17.840
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T0F8X	Strain	tr1X	-16.873	0.898	3.256	17.207
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	1.455	0.520	13.498	13.587
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T3F1XY	Strain	TR1 FR 3Y	-16.877	0.896	3.253	17.211
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T2f1X	Strain	0TR2 OR FR 6XY	-14.597	0.363	1.440	14.673
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T0F8Y	Strain	TR1 FR 3XY	-16.878	0.896	3.253	17.212
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T0F8P	Strain	tr1XY	0.779	0.762	7.664	7.741
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T3F1P	Strain	0TR2 OR FR 6Y	-14.597	0.363	1.440	14.672
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T2F1P	Strain	tr1Y	0.774	0.292	7.244	7.291
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T2F1Y	Strain	tr1P	-16.872	0.898	3.257	17.206
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T1F1X	Strain	TR1 FR 3X	1.745	0.482	16.630	16.728
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T1F1Y	Strain	TR1 FR 1X	1.801	-0.319	19.853	19.937
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T1F1P	Strain	TR1 FR 1XY	-16.883	0.895	3.250	17.216
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WL_0,T BI+	T1F1XY	Strain	TR1 FR 1Y	-16.883	0.895	3.250	17.216
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T0F8XY	Strain	TR1 FR 1S	1.751	0.228	18.632	18.715
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T0F8X	Strain	tr1X	-16.866	-1.111	3.256	17.214
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T3F1X	Strain	TR1 FR 3S	1.456	-0.514	13.505	13.594
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T3F1XY	Strain	TR1 FR 3Y	-16.871	-1.110	3.253	17.217
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T2f1X	Strain	0TR2 OR FR 6XY	-14.592	-0.548	1.440	14.673
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T0F8Y	Strain	TR1 FR 3XY	-16.871	-1.110	3.253	17.218
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T0F8P	Strain	tr1XY	0.936	-0.234	8.799	8.851
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T3F1P	Strain	0TR2 OR FR 6Y	-14.591	-0.548	1.440	14.672
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T2F1P	Strain	tr1Y	0.634	-0.717	6.306	6.378
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T2F1Y	Strain	tr1P	-16.865	-1.112	3.257	17.213
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T1F1X	Strain	TR1 FR 3X	1.739	-0.549	16.577	16.677
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T1F1Y	Strain	TR1 FR 1X	1.717	-1.310	19.020	19.143
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T1F1P	Strain	TR1 FR 1XY	-16.876	-1.109	3.250	17.222
32	h4dr19.#32.tow	NL1 Lc 1b Cold	WR_0,T BI-	T1F1XY	Strain	TR1 FR 1Y	-16.876	-1.109	3.250	17.222
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T0F8XY	Strain	TR1 FR 1S	0.994	0.967	11.638	11.721
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T0F8X	Strain	tr1X	-48.862	2.964	8.182	49.631
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T3F1X	Strain	TR1 FR 3S	1.057	0.549	10.554	10.621
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T3F1XY	Strain	TR1 FR 3Y	-48.829	2.958	8.171	49.597
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-42.999	2.687	5.837	43.477
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T0F8Y	Strain	TR1 FR 3XY	-48.823	2.957	8.168	49.590
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T0F8P	Strain	tr1XY	0.730	0.779	7.536	7.611
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-43.004	2.688	5.839	43.482
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T2F1P	Strain	tr1Y	0.807	0.312	7.693	7.742
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T2F1Y	Strain	tr1P	-48.871	2.965	8.186	49.640
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T1F1X	Strain	TR1 FR 3X	1.157	0.523	11.900	11.967
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T1F1Y	Strain	TR1 FR 1X	1.189	-0.007	13.970	14.021
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T1F1P	Strain	TR1 FR 1XY	-48.785	2.951	8.155	49.550
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRB,T NL+	T1F1XY	Strain	TR1 FR 1Y	-48.788	2.952	8.156	49.553
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T0F8XY	Strain	TR1 FR 1S	1.174	-0.046	13.354	13.406
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T0F8X	Strain	tr1X	-48.826	-3.583	8.182	49.636
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T3F1X	Strain	TR1 FR 3S	1.060	-0.545	10.591	10.658
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T3F1XY	Strain	TR1 FR 3Y	-48.794	-3.577	8.171	49.602
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-42.962	-3.232	5.837	43.477
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T0F8Y	Strain	TR1 FR 3XY	-48.788	-3.577	8.168	49.596
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T0F8P	Strain	tr1XY	0.896	-0.276	8.731	8.782
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-42.966	-3.233	5.839	43.482
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T2F1P	Strain	tr1Y	0.657	-0.756	6.706	6.780
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T2F1Y	Strain	tr1P	-48.835	-3.584	8.186	49.645
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T1F1X	Strain	TR1 FR 3X	1.149	-0.568	11.843	11.912
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T1F1Y	Strain	TR1 FR 1X	1.012	-1.014	12.235	12.319
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T1F1P	Strain	TR1 FR 1XY	-48.749	-3.570	8.155	49.555
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-48.752	-3.571	8.156	49.559
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	0.996	0.969	11.669	11.752
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T0F8X	Strain	tr1X	-48.862	2.964	8.182	49.631
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T3F1X	Strain	TR1 FR 3S	1.059	0.549	10.583	10.650
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-48.830	2.959	8.171	49.598
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-43.000	2.688	5.837	43.478
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-48.824	2.958	8.168	49.591
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T0F8P	Strain	tr1XY	0.733	0.780	7.564	7.639
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-43.005	2.688	5.839	43.482

32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T2F1P	Strain	tr1Y	0.809	0.311	7.712	7.760
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T2F1Y	Strain	tr1P	-48.871	2.966	8.186	49.641
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T1F1X	Strain	TR1 FR 3X	1.159	0.523	11.928	11.995
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	1.189	-0.008	13.990	14.041
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-48.786	2.952	8.155	49.551
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-48.789	2.952	8.156	49.554
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	1.173	-0.047	13.333	13.385
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T0F8X	Strain	tr1X	-48.827	-3.583	8.182	49.637
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T3F1X	Strain	TR1 FR 3S	1.058	-0.545	10.563	10.630
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-48.795	-3.578	8.171	49.603
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-42.963	-3.232	5.837	43.478
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-48.788	-3.577	8.168	49.597
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T0F8P	Strain	tr1XY	0.894	-0.277	8.710	8.760
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-42.967	-3.233	5.839	43.483
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T2F1P	Strain	tr1Y	0.654	-0.756	6.681	6.755
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T2F1Y	Strain	tr1P	-48.836	-3.584	8.186	49.646
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T1F1X	Strain	TR1 FR 3X	1.147	-0.568	11.815	11.884
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	1.010	-1.013	12.205	12.289
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-48.750	-3.571	8.155	49.556
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-48.753	-3.571	8.156	49.560
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	0.995	0.968	11.654	11.736
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T0F8X	Strain	tr1X	-48.862	2.964	8.182	49.631
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	1.058	0.549	10.568	10.635
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T3F1XY	Strain	TR1 FR 3Y	-48.830	2.959	8.171	49.597
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T2f1X	Strain	0TR2 OR FR 6XY	-43.000	2.687	5.837	43.477
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T0F8Y	Strain	TR1 FR 3XY	-48.824	2.958	8.168	49.591
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T0F8P	Strain	tr1XY	0.731	0.779	7.550	7.625
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T3F1P	Strain	0TR2 OR FR 6Y	-43.005	2.688	5.839	43.482
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T2F1P	Strain	tr1Y	0.808	0.312	7.703	7.751
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T2F1Y	Strain	tr1P	-48.871	2.965	8.186	49.641
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T1F1X	Strain	TR1 FR 3X	1.158	0.523	11.914	11.981
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T1F1Y	Strain	TR1 FR 1X	1.189	-0.007	13.980	14.031
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T1F1P	Strain	TR1 FR 1XY	-48.786	2.951	8.155	49.551
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WL_0,T BI+	T1F1XY	Strain	TR1 FR 1Y	-48.789	2.952	8.156	49.554
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T0F8XY	Strain	TR1 FR 1S	1.174	-0.046	13.344	13.395
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T0F8X	Strain	tr1X	-48.826	-3.583	8.182	49.637
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T3F1X	Strain	TR1 FR 3S	1.059	-0.545	10.577	10.644
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T3F1XY	Strain	TR1 FR 3Y	-48.794	-3.578	8.171	49.603
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T2f1X	Strain	0TR2 OR FR 6XY	-42.962	-3.232	5.837	43.477
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T0F8Y	Strain	TR1 FR 3XY	-48.788	-3.577	8.168	49.596
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T0F8P	Strain	tr1XY	0.895	-0.276	8.721	8.771
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T3F1P	Strain	0TR2 OR FR 6Y	-42.967	-3.233	5.839	43.482
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T2F1P	Strain	tr1Y	0.656	-0.756	6.694	6.768
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T2F1Y	Strain	tr1P	-48.835	-3.584	8.186	49.646
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T1F1X	Strain	TR1 FR 3X	1.148	-0.568	11.829	11.898
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T1F1Y	Strain	TR1 FR 1X	1.011	-1.013	12.220	12.304
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T1F1P	Strain	TR1 FR 1XY	-48.750	-3.571	8.155	49.556
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	WR_0,T BI-	T1F1XY	Strain	TR1 FR 1Y	-48.753	-3.571	8.156	49.559
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T0F8XY	Strain	TR1 FR 1S	0.525	0.695	6.991	7.045
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T0F8X	Strain	tr1X	-14.559	0.812	3.255	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T3F1X	Strain	TR1 FR 3S	0.626	0.473	6.955	6.999
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T3F1XY	Strain	TR1 FR 3Y	-14.558	0.811	3.253	14.939
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-13.018	0.327	1.439	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T0F8Y	Strain	TR1 FR 3XY	-14.557	0.811	3.252	14.938
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T0F8P	Strain	tr1XY	0.482	0.626	5.533	5.590
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-13.019	0.328	1.440	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T2F1P	Strain	tr1Y	0.561	0.308	5.818	5.854
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T2F1Y	Strain	tr1P	-14.560	0.812	3.256	14.942
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T1F1X	Strain	TR1 FR 3X	0.654	0.458	7.482	7.525
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T1F1Y	Strain	TR1 FR 1X	0.663	0.162	8.566	8.593
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T1F1P	Strain	TR1 FR 1XY	-14.555	0.810	3.249	14.935
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRB,T NL+	T1F1XY	Strain	TR1 FR 1Y	-14.555	0.810	3.249	14.936
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T0F8XY	Strain	TR1 FR 1S	0.665	-0.187	8.312	8.341
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T0F8X	Strain	tr1X	-14.554	-0.996	3.255	14.946
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T3F1X	Strain	TR1 FR 3S	0.629	-0.471	6.980	7.024
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T3F1XY	Strain	TR1 FR 3Y	-14.552	-0.995	3.253	14.944
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-13.013	-0.492	1.439	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T0F8Y	Strain	TR1 FR 3XY	-14.552	-0.995	3.252	14.944

32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T0F8P	Strain	tr1XY	0.595	-0.291	6.338	6.373
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-13.014	-0.492	1.440	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T2F1P	Strain	tr1Y	0.458	-0.618	5.146	5.203
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T2F1Y	Strain	tr1P	-14.554	-0.996	3.256	14.947
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T1F1X	Strain	TR1 FR 3X	0.648	-0.483	7.438	7.482
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T1F1Y	Strain	TR1 FR 1X	0.521	-0.713	7.174	7.229
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T1F1P	Strain	TR1 FR 1XY	-14.549	-0.994	3.249	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-14.550	-0.994	3.249	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	0.527	0.696	7.015	7.070
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T0F8X	Strain	tr1X	-14.560	0.812	3.255	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T3F1X	Strain	TR1 FR 3S	0.628	0.473	6.975	7.019
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-14.558	0.811	3.253	14.939
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-13.019	0.327	1.439	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-14.558	0.811	3.252	14.938
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T0F8P	Strain	tr1XY	0.484	0.626	5.546	5.602
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-13.019	0.328	1.440	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T2F1P	Strain	tr1Y	0.562	0.307	5.831	5.866
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T2F1Y	Strain	tr1P	-14.560	0.812	3.256	14.942
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T1F1X	Strain	TR1 FR 3X	0.656	0.458	7.503	7.545
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	0.665	0.161	8.582	8.609
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-14.555	0.810	3.249	14.936
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-14.556	0.810	3.249	14.936
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	0.664	-0.188	8.296	8.325
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T0F8X	Strain	tr1X	-14.554	-0.996	3.255	14.947
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T3F1X	Strain	TR1 FR 3S	0.627	-0.471	6.960	7.004
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-14.552	-0.996	3.253	14.944
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-13.013	-0.492	1.439	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-14.552	-0.995	3.252	14.944
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T0F8P	Strain	tr1XY	0.593	-0.292	6.324	6.359
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-13.014	-0.492	1.440	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T2F1P	Strain	tr1Y	0.456	-0.617	5.129	5.187
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T2F1Y	Strain	tr1P	-14.554	-0.996	3.256	14.947
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T1F1X	Strain	TR1 FR 3X	0.646	-0.483	7.417	7.461
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	0.520	-0.712	7.152	7.206
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-14.550	-0.994	3.249	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-14.550	-0.995	3.249	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	0.526	0.695	7.003	7.058
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T0F8X	Strain	tr1X	-14.560	0.812	3.255	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	0.627	0.473	6.965	7.009
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T3F1XY	Strain	TR1 FR 3Y	-14.558	0.811	3.253	14.939
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T2f1X	Strain	0TR2 OR FR 6XY	-13.019	0.327	1.439	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T0F8Y	Strain	TR1 FR 3XY	-14.558	0.811	3.252	14.938
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T0F8P	Strain	tr1XY	0.483	0.626	5.536	5.592
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T3F1P	Strain	0TR2 OR FR 6Y	-13.019	0.328	1.440	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T2F1P	Strain	tr1Y	0.562	0.308	5.825	5.860
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T2F1Y	Strain	tr1P	-14.560	0.812	3.256	14.942
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T1F1X	Strain	TR1 FR 3X	0.655	0.458	7.492	7.535
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T1F1Y	Strain	TR1 FR 1X	0.664	0.161	8.574	8.601
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T1F1P	Strain	TR1 FR 1XY	-14.555	0.810	3.249	14.936
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WL_0,T BI+	T1F1XY	Strain	TR1 FR 1Y	-14.556	0.810	3.249	14.936
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T0F8XY	Strain	TR1 FR 1S	0.664	-0.187	8.304	8.333
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T0F8X	Strain	tr1X	-14.554	-0.996	3.255	14.947
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T3F1X	Strain	TR1 FR 3S	0.628	-0.471	6.970	7.014
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T3F1XY	Strain	TR1 FR 3Y	-14.552	-0.995	3.253	14.944
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T2f1X	Strain	0TR2 OR FR 6XY	-13.013	-0.492	1.439	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T0F8Y	Strain	TR1 FR 3XY	-14.552	-0.995	3.252	14.944
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T0F8P	Strain	tr1XY	0.594	-0.292	6.331	6.366
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T3F1P	Strain	0TR2 OR FR 6Y	-13.014	-0.492	1.440	13.102
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T2F1P	Strain	tr1Y	0.457	-0.618	5.138	5.195
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T2F1Y	Strain	tr1P	-14.554	-0.996	3.256	14.947
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T1F1X	Strain	TR1 FR 3X	0.647	-0.483	7.428	7.471
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T1F1Y	Strain	TR1 FR 1X	0.521	-0.713	7.164	7.219
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T1F1P	Strain	TR1 FR 1XY	-14.550	-0.994	3.249	14.941
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	WR_0,T BI-	T1F1XY	Strain	TR1 FR 1Y	-14.550	-0.995	3.249	14.941
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T0F8XY	Strain	TR1 FR 1S	0.335	0.142	5.455	5.467
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T0F8X	Strain	tr1X	-15.379	-0.097	3.662	15.809
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T3F1X	Strain	TR1 FR 3S	0.364	0.001	5.158	5.171
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T3F1XY	Strain	TR1 FR 3Y	-15.376	-0.098	3.659	15.806
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T2f1X	Strain	0TR2 OR FR 6XY	-13.822	-0.088	1.619	13.917

32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T0F8Y	Strain	TR1 FR 3XY	-15.376	-0.098	3.658	15.805
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T0F8P	Strain	tr1XY	0.348	0.107	4.830	4.844
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T3F1P	Strain	0TR2 OR FR 6Y	-13.823	-0.088	1.619	13.917
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T2F1P	Strain	tr1Y	0.349	-0.104	4.670	4.684
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T2F1Y	Strain	tr1P	-15.379	-0.097	3.663	15.810
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T1F1X	Strain	TR1 FR 3X	0.370	-0.007	5.379	5.392
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T1F1Y	Strain	TR1 FR 1X	0.329	-0.152	5.536	5.547
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T1F1P	Strain	TR1 FR 1XY	-15.373	-0.098	3.655	15.802
32	h4dr19.#32.tow	NL1 Lc 6 Permanent	GW,T Global	T1F1XY	Strain	TR1 FR 1Y	-15.373	-0.098	3.655	15.802
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T0F8XY	Strain	TR1 FR 1S	0.707	0.862	8.231	8.306
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T0F8X	Strain	tr1X	-21.872	2.609	2.444	22.162
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T3F1X	Strain	TR1 FR 3S	0.813	0.564	7.938	8.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T3F1XY	Strain	TR1 FR 3Y	-21.864	2.605	2.442	22.154
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-19.311	1.897	1.082	19.434
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T0F8Y	Strain	TR1 FR 3XY	-21.862	2.604	2.442	22.152
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T0F8P	Strain	tr1XY	0.636	0.763	6.152	6.231
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-19.312	1.898	1.082	19.435
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T2F1P	Strain	tr1Y	0.703	0.357	6.292	6.341
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T2F1Y	Strain	tr1P	-21.874	2.610	2.445	22.165
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T1F1X	Strain	TR1 FR 3X	0.845	0.545	8.597	8.656
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T1F1Y	Strain	TR1 FR 1X	0.834	0.173	9.764	9.801
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T1F1P	Strain	TR1 FR 1XY	-21.853	2.599	2.439	22.141
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRB,T NL+	T1F1XY	Strain	TR1 FR 1Y	-21.853	2.599	2.440	22.142
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T0F8XY	Strain	TR1 FR 1S	0.837	-0.204	9.471	9.510
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T0F8X	Strain	tr1X	-21.843	-2.886	2.444	22.168
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T3F1X	Strain	TR1 FR 3S	0.814	-0.561	7.964	8.025
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T3F1XY	Strain	TR1 FR 3Y	-21.835	-2.882	2.442	22.159
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-19.285	-2.142	1.082	19.434
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T0F8Y	Strain	TR1 FR 3XY	-21.833	-2.881	2.442	22.157
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T0F8P	Strain	tr1XY	0.751	-0.334	6.992	7.040
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-19.286	-2.142	1.082	19.435
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T2F1P	Strain	tr1Y	0.592	-0.749	5.567	5.649
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T2F1Y	Strain	tr1P	-21.845	-2.887	2.445	22.170
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T1F1X	Strain	TR1 FR 3X	0.839	-0.577	8.557	8.618
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T1F1Y	Strain	TR1 FR 1X	0.701	-0.887	8.475	8.550
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T1F1P	Strain	TR1 FR 1XY	-21.823	-2.876	2.439	22.147
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-21.824	-2.877	2.440	22.148
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	0.708	0.863	8.252	8.327
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T0F8X	Strain	tr1X	-21.874	2.609	2.444	22.165
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T3F1X	Strain	TR1 FR 3S	0.814	0.564	7.958	8.019
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-21.866	2.605	2.442	22.156
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-19.313	1.897	1.082	19.436
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-21.865	2.604	2.442	22.154
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T0F8P	Strain	tr1XY	0.637	0.764	6.171	6.251
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-19.314	1.898	1.082	19.437
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T2F1P	Strain	tr1Y	0.704	0.356	6.306	6.355
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T2F1Y	Strain	tr1P	-21.877	2.611	2.445	22.167
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T1F1X	Strain	TR1 FR 3X	0.846	0.545	8.617	8.676
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	0.834	0.173	9.780	9.817
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-21.855	2.599	2.439	22.144
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-21.856	2.600	2.440	22.145
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	0.837	-0.205	9.455	9.494
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T0F8X	Strain	tr1X	-21.845	-2.886	2.444	22.170
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T3F1X	Strain	TR1 FR 3S	0.813	-0.561	7.944	8.005
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-21.837	-2.882	2.442	22.161
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-19.287	-2.142	1.082	19.436
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-21.836	-2.881	2.442	22.160
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T0F8P	Strain	tr1XY	0.752	-0.335	6.981	7.029
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-19.288	-2.143	1.082	19.437
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T2F1P	Strain	tr1Y	0.591	-0.749	5.549	5.631
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T2F1Y	Strain	tr1P	-21.848	-2.888	2.445	22.173
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T1F1X	Strain	TR1 FR 3X	0.838	-0.577	8.537	8.598
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	0.701	-0.886	8.454	8.529
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-21.826	-2.876	2.439	22.149
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-21.827	-2.877	2.440	22.150
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	0.708	0.862	8.242	8.317
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WL_0,T BI+	T0F8X	Strain	tr1X	-21.874	2.609	2.444	22.164
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9 WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	0.813	0.564	7.948	8.010

32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T3F1XY	Strain	TR1 FR 3Y	-21.866	2.605	2.442	22.155
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T2f1X	Strain	0TR2 OR FR 6XY	-19.312	1.897	1.082	19.436
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T0F8Y	Strain	TR1 FR 3XY	-21.864	2.604	2.442	22.154
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T0F8P	Strain	tr1XY	0.636	0.764	6.161	6.241
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T3F1P	Strain	0TR2 OR FR 6Y	-19.313	1.898	1.082	19.437
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T2F1P	Strain	tr1Y	0.704	0.356	6.299	6.348
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T2F1Y	Strain	tr1P	-21.876	2.610	2.445	22.167
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T1F1X	Strain	TR1 FR 3X	0.846	0.545	8.607	8.666
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T1F1Y	Strain	TR1 FR 1X	0.834	0.173	9.772	9.809
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T1F1P	Strain	TR1 FR 1XY	-21.854	2.599	2.439	22.143
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WL_0,T	BI+	T1F1XY	Strain	TR1 FR 1Y	-21.855	2.599	2.440	22.144
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T0F8XY	Strain	TR1 FR 1S	0.837	-0.204	9.463	9.502
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T0F8X	Strain	tr1X	-21.845	-2.886	2.444	22.170
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T3F1X	Strain	TR1 FR 3S	0.814	-0.561	7.954	8.015
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T3F1XY	Strain	TR1 FR 3Y	-21.836	-2.882	2.442	22.161
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T2f1X	Strain	0TR2 OR FR 6XY	-19.287	-2.142	1.082	19.436
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T0F8Y	Strain	TR1 FR 3XY	-21.835	-2.881	2.442	22.159
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T0F8P	Strain	tr1XY	0.751	-0.335	6.984	7.032
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T3F1P	Strain	0TR2 OR FR 6Y	-19.288	-2.143	1.082	19.437
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T2F1P	Strain	tr1Y	0.592	-0.749	5.558	5.640
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T2F1Y	Strain	tr1P	-21.847	-2.887	2.445	22.172
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T1F1X	Strain	TR1 FR 3X	0.838	-0.577	8.547	8.608
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T1F1Y	Strain	TR1 FR 1X	0.701	-0.886	8.464	8.539
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T1F1P	Strain	TR1 FR 1XY	-21.825	-2.876	2.439	22.149
32	h4dr19.#32.tow	NL1 Lc 1a EWL	0.9	WR_0,T	BI-	T1F1XY	Strain	TR1 FR 1Y	-21.826	-2.877	2.440	22.150
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T0F8XY	Strain	TR1 FR 1S	1.655	1.217	17.234	17.356
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T0F8X	Strain	tr1X	-14.045	0.915	2.442	14.285
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T3F1X	Strain	TR1 FR 3S	1.451	0.520	12.978	13.069
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T3F1XY	Strain	TR1 FR 3Y	-14.052	0.914	2.440	14.291
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-12.027	0.379	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-14.053	0.914	2.440	14.293
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T0F8P	Strain	tr1XY	0.775	0.760	7.147	7.229
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-12.026	0.379	1.080	12.080
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T2F1P	Strain	tr1Y	0.766	0.295	6.704	6.754
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T2F1Y	Strain	tr1P	-14.043	0.916	2.443	14.284
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T1F1X	Strain	TR1 FR 3X	1.742	0.482	16.120	16.221
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.798	-0.317	19.341	19.427
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T1F1P	Strain	TR1 FR 1XY	-14.061	0.913	2.437	14.300
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRB,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-14.060	0.913	2.438	14.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.749	0.227	18.128	18.213
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T0F8X	Strain	tr1X	-14.039	-1.093	2.442	14.292
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T3F1X	Strain	TR1 FR 3S	1.454	-0.514	13.007	13.098
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-14.045	-1.092	2.440	14.297
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-12.021	-0.532	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-14.047	-1.092	2.440	14.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T0F8P	Strain	tr1XY	0.930	-0.236	8.275	8.330
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-12.020	-0.532	1.080	12.080
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T2F1P	Strain	tr1Y	0.632	-0.716	5.809	5.887
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T2F1Y	Strain	tr1P	-14.037	-1.094	2.443	14.290
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T1F1X	Strain	TR1 FR 3X	1.737	-0.549	16.086	16.189
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T1F1Y	Strain	TR1 FR 1X	1.718	-1.310	18.548	18.674
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T1F1P	Strain	TR1 FR 1XY	-14.054	-1.091	2.438	14.306
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLB,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-14.054	-1.091	2.438	14.305
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T0F8XY	Strain	TR1 FR 1S	1.656	1.218	17.249	17.371
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T0F8X	Strain	tr1X	-14.046	0.915	2.442	14.286
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T3F1X	Strain	TR1 FR 3S	1.453	0.520	13.000	13.092
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-14.052	0.914	2.440	14.292
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-12.027	0.379	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T0F8Y	Strain	TR1 FR 3XY	-14.053	0.914	2.440	14.293
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T0F8P	Strain	tr1XY	0.778	0.761	7.174	7.256
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	-12.026	0.379	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T2F1P	Strain	tr1Y	0.768	0.294	6.721	6.771
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T2F1Y	Strain	tr1P	-14.044	0.916	2.443	14.284
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T1F1X	Strain	TR1 FR 3X	1.743	0.482	16.137	16.238
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T1F1Y	Strain	TR1 FR 1X	1.799	-0.318	19.351	19.437
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T1F1P	Strain	TR1 FR 1XY	-14.061	0.913	2.438	14.300
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WRA,T	NR+	T1F1XY	Strain	TR1 FR 1Y	-14.060	0.913	2.438	14.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T0F8XY	Strain	TR1 FR 1S	1.748	0.226	18.116	18.201

32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T0F8X	Strain	tr1X	-14.039	-1.093	2.442	14.292
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T3F1X	Strain	TR1 FR 3S	1.451	-0.514	12.985	13.076
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T3F1XY	Strain	TR1 FR 3Y	-14.046	-1.093	2.440	14.298
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	-12.021	-0.532	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T0F8Y	Strain	TR1 FR 3XY	-14.047	-1.092	2.440	14.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T0F8P	Strain	tr1XY	0.928	-0.236	8.255	8.310
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	-12.020	-0.532	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T2F1P	Strain	tr1Y	0.629	-0.715	5.787	5.865
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T2F1Y	Strain	tr1P	-14.037	-1.094	2.443	14.290
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T1F1X	Strain	TR1 FR 3X	1.736	-0.549	16.069	16.172
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T1F1Y	Strain	TR1 FR 1X	1.717	-1.310	18.536	18.661
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T1F1P	Strain	TR1 FR 1XY	-14.055	-1.091	2.438	14.306
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WLA,T	NR-	T1F1XY	Strain	TR1 FR 1Y	-14.054	-1.092	2.438	14.306
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T0F8XY	Strain	TR1 FR 1S	1.656	1.217	17.241	17.363
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T0F8X	Strain	tr1X	-14.046	0.915	2.442	14.286
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T3F1X	Strain	TR1 FR 3S	1.452	0.520	12.989	13.080
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T3F1XY	Strain	TR1 FR 3Y	-14.052	0.914	2.440	14.292
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T2f1X	Strain	0TR2 OR FR 6XY	-12.027	0.379	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T0F8Y	Strain	TR1 FR 3XY	-14.053	0.914	2.440	14.293
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T0F8P	Strain	tr1XY	0.777	0.761	7.160	7.242
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T3F1P	Strain	0TR2 OR FR 6Y	-12.026	0.379	1.080	12.080
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T2F1P	Strain	tr1Y	0.767	0.294	6.712	6.762
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T2F1Y	Strain	tr1P	-14.044	0.916	2.443	14.284
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T1F1X	Strain	TR1 FR 3X	1.743	0.482	16.129	16.230
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T1F1Y	Strain	TR1 FR 1X	1.799	-0.318	19.346	19.432
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T1F1P	Strain	TR1 FR 1XY	-14.061	0.913	2.438	14.300
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WL_0,T	BI+	T1F1XY	Strain	TR1 FR 1Y	-14.060	0.913	2.438	14.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T0F8XY	Strain	TR1 FR 1S	1.748	0.226	18.122	18.207
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T0F8X	Strain	tr1X	-14.039	-1.093	2.442	14.292
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T3F1X	Strain	TR1 FR 3S	1.453	-0.514	12.996	13.087
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T3F1XY	Strain	TR1 FR 3Y	-14.046	-1.093	2.440	14.298
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T2f1X	Strain	0TR2 OR FR 6XY	-12.021	-0.532	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T0F8Y	Strain	TR1 FR 3XY	-14.047	-1.092	2.440	14.299
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T0F8P	Strain	tr1XY	0.929	-0.236	8.265	8.320
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T3F1P	Strain	0TR2 OR FR 6Y	-12.020	-0.532	1.080	12.081
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T2F1P	Strain	tr1Y	0.630	-0.715	5.798	5.876
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T2F1Y	Strain	tr1P	-14.037	-1.094	2.443	14.290
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T1F1X	Strain	TR1 FR 3X	1.736	-0.549	16.078	16.180
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T1F1Y	Strain	TR1 FR 1X	1.718	-1.310	18.542	18.667
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T1F1P	Strain	TR1 FR 1XY	-14.055	-1.091	2.438	14.306
32	h4dr19.#32.tow	NL1 Lc 1b Cold	0.9	WR_0,T	BI-	T1F1XY	Strain	TR1 FR 1Y	-14.054	-1.092	2.438	14.305
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.994	0.967	11.156	11.242
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T0F8X	Strain	tr1X	-47.171	2.974	7.369	47.835
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T3F1X	Strain	TR1 FR 3S	1.052	0.549	10.040	10.110
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T3F1XY	Strain	TR1 FR 3Y	-47.140	2.969	7.358	47.804
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-41.685	2.695	5.477	42.130
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-47.135	2.968	7.356	47.797
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T0F8P	Strain	tr1XY	0.728	0.778	7.032	7.112
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-41.690	2.696	5.479	42.135
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T2F1P	Strain	tr1Y	0.801	0.314	7.164	7.215
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T2F1Y	Strain	tr1P	-47.179	2.976	7.372	47.844
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T1F1X	Strain	TR1 FR 3X	1.154	0.523	11.388	11.458
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.184	-0.005	13.444	13.496
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T1F1P	Strain	TR1 FR 1XY	-47.099	2.962	7.343	47.760
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WRB,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-47.102	2.962	7.344	47.763
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.169	-0.047	12.826	12.879
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T0F8X	Strain	tr1X	-47.135	-3.572	7.369	47.841
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T3F1X	Strain	TR1 FR 3S	1.056	-0.545	10.076	10.146
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-47.105	-3.567	7.358	47.809
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-41.648	-3.223	5.477	42.130
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-47.099	-3.566	7.356	47.803
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T0F8P	Strain	tr1XY	0.889	-0.278	8.200	8.253
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-41.652	-3.224	5.479	42.135
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T2F1P	Strain	tr1Y	0.653	-0.755	6.198	6.278
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T2F1Y	Strain	tr1P	-47.143	-3.573	7.372	47.850
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T1F1X	Strain	TR1 FR 3X	1.146	-0.567	11.332	11.404
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T1F1Y	Strain	TR1 FR 1X	1.012	-1.014	11.756	11.843
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice	0.9	WLB,T	NL-	T1F1P	Strain	TR1 FR 1XY	-47.063	-3.560	7.343	47.765

32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-47.066	-3.560	7.344	47.768
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	0.996	0.968	11.186	11.272
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T0F8X	Strain	tr1X	-47.172	2.975	7.369	47.836
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T3F1X	Strain	TR1 FR 3S	1.055	0.549	10.067	10.137
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-47.141	2.970	7.358	47.804
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-41.686	2.696	5.477	42.131
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-47.136	2.969	7.356	47.798
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T0F8P	Strain	tr1XY	0.730	0.779	7.060	7.140
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-41.691	2.697	5.479	42.136
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T2F1P	Strain	tr1Y	0.802	0.313	7.182	7.233
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T2F1Y	Strain	tr1P	-47.180	2.976	7.372	47.845
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T1F1X	Strain	TR1 FR 3X	1.156	0.523	11.415	11.485
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	1.185	-0.006	13.463	13.515
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-47.100	2.962	7.343	47.760
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-47.103	2.963	7.344	47.764
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	1.168	-0.048	12.806	12.859
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T0F8X	Strain	tr1X	-47.136	-3.572	7.369	47.842
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T3F1X	Strain	TR1 FR 3S	1.054	-0.545	10.048	10.118
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-47.106	-3.567	7.358	47.810
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-41.649	-3.224	5.477	42.131
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-47.100	-3.566	7.356	47.804
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T0F8P	Strain	tr1XY	0.887	-0.279	8.179	8.232
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-41.653	-3.225	5.479	42.136
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T2F1P	Strain	tr1Y	0.651	-0.754	6.174	6.254
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T2F1Y	Strain	tr1P	-47.144	-3.574	7.372	47.851
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T1F1X	Strain	TR1 FR 3X	1.144	-0.567	11.305	11.377
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	1.011	-1.012	11.727	11.814
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-47.064	-3.560	7.343	47.766
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-47.067	-3.561	7.344	47.769
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	0.995	0.968	11.171	11.257
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T0F8X	Strain	tr1X	-47.171	2.975	7.369	47.836
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	1.054	0.549	10.054	10.124
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T3F1XY	Strain	TR1 FR 3Y	-47.141	2.969	7.358	47.804
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T2f1X	Strain	0TR2 OR FR 6XY	-41.686	2.696	5.477	42.131
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T0F8Y	Strain	TR1 FR 3XY	-47.135	2.968	7.356	47.798
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T0F8P	Strain	tr1XY	0.729	0.778	7.046	7.126
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T3F1P	Strain	0TR2 OR FR 6Y	-41.690	2.697	5.479	42.135
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T2F1P	Strain	tr1Y	0.801	0.314	7.173	7.224
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T2F1Y	Strain	tr1P	-47.180	2.976	7.372	47.845
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T1F1X	Strain	TR1 FR 3X	1.155	0.523	11.401	11.471
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T1F1Y	Strain	TR1 FR 1X	1.185	-0.005	13.454	13.506
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T1F1P	Strain	TR1 FR 1XY	-47.099	2.962	7.343	47.760
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WL_0,T BI+	T1F1XY	Strain	TR1 FR 1Y	-47.102	2.963	7.344	47.763
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T0F8XY	Strain	TR1 FR 1S	1.169	-0.048	12.816	12.869
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T0F8X	Strain	tr1X	-47.136	-3.572	7.369	47.842
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T3F1X	Strain	TR1 FR 3S	1.055	-0.545	10.062	10.132
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T3F1XY	Strain	TR1 FR 3Y	-47.105	-3.567	7.358	47.810
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T2f1X	Strain	0TR2 OR FR 6XY	-41.649	-3.224	5.477	42.131
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T0F8Y	Strain	TR1 FR 3XY	-47.100	-3.566	7.356	47.804
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T0F8P	Strain	tr1XY	0.888	-0.278	8.190	8.243
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T3F1P	Strain	0TR2 OR FR 6Y	-41.653	-3.225	5.479	42.135
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T2F1P	Strain	tr1Y	0.652	-0.754	6.186	6.266
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T2F1Y	Strain	tr1P	-47.144	-3.574	7.372	47.851
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T1F1X	Strain	TR1 FR 3X	1.145	-0.567	11.318	11.390
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T1F1Y	Strain	TR1 FR 1X	1.012	-1.013	11.741	11.828
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T1F1P	Strain	TR1 FR 1XY	-47.064	-3.560	7.343	47.766
32	h4dr19.#32.tow	NL1 Lc 3 Wind + ice 0.9 WR_0,T BI-	T1F1XY	Strain	TR1 FR 1Y	-47.066	-3.561	7.344	47.769
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T0F8XY	Strain	TR1 FR 1S	0.524	0.694	6.501	6.559
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T0F8X	Strain	tr1X	-11.866	0.829	2.442	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T3F1X	Strain	TR1 FR 3S	0.622	0.473	6.439	6.487
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T3F1XY	Strain	TR1 FR 3Y	-11.866	0.828	2.440	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-10.519	0.343	1.080	10.579
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T0F8Y	Strain	TR1 FR 3XY	-11.866	0.828	2.439	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T0F8P	Strain	tr1XY	0.478	0.624	5.019	5.081
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-10.519	0.343	1.080	10.579
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T2F1P	Strain	tr1Y	0.555	0.309	5.292	5.330
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T2F1Y	Strain	tr1P	-11.866	0.829	2.442	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WRB,T NL+	T1F1X	Strain	TR1 FR 3X	0.650	0.458	6.968	7.013

32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	T1F1Y	Strain	TR1 FR 1X	0.659	0.164	8.043	8.072
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	T1F1P	Strain	TR1 FR 1XY	-11.867	0.827	2.437	12.142
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRB,T NL+	T1F1XY	Strain	TR1 FR 1Y	-11.867	0.827	2.437	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T0F8XY	Strain	TR1 FR 1S	0.660	-0.189	7.785	7.815
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T0F8X	Strain	tr1X	-11.860	-0.979	2.442	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T3F1X	Strain	TR1 FR 3S	0.625	-0.470	6.464	6.511
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T3F1XY	Strain	TR1 FR 3Y	-11.861	-0.978	2.440	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-10.514	-0.476	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T0F8Y	Strain	TR1 FR 3XY	-11.861	-0.978	2.439	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T0F8P	Strain	tr1XY	0.589	-0.293	5.811	5.848
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-10.513	-0.477	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T2F1P	Strain	tr1Y	0.455	-0.617	4.635	4.697
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T2F1Y	Strain	tr1P	-11.860	-0.979	2.442	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T1F1X	Strain	TR1 FR 3X	0.644	-0.483	6.925	6.972
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T1F1Y	Strain	TR1 FR 1X	0.521	-0.713	6.687	6.745
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T1F1P	Strain	TR1 FR 1XY	-11.861	-0.977	2.437	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLB,T NL-	T1F1XY	Strain	TR1 FR 1Y	-11.861	-0.977	2.437	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T0F8XY	Strain	TR1 FR 1S	0.526	0.695	6.524	6.582
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T0F8X	Strain	tr1X	-11.866	0.829	2.442	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T3F1X	Strain	TR1 FR 3S	0.624	0.473	6.459	6.506
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T3F1XY	Strain	TR1 FR 3Y	-11.867	0.828	2.440	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-10.519	0.343	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T0F8Y	Strain	TR1 FR 3XY	-11.867	0.828	2.439	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T0F8P	Strain	tr1XY	0.481	0.625	5.038	5.100
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-10.519	0.343	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T2F1P	Strain	tr1Y	0.556	0.309	5.305	5.343
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T2F1Y	Strain	tr1P	-11.866	0.829	2.442	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T1F1X	Strain	TR1 FR 3X	0.652	0.458	6.988	7.033
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T1F1Y	Strain	TR1 FR 1X	0.660	0.163	8.054	8.082
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T1F1P	Strain	TR1 FR 1XY	-11.867	0.827	2.437	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WRA,T NR+	T1F1XY	Strain	TR1 FR 1Y	-11.867	0.827	2.437	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T0F8XY	Strain	TR1 FR 1S	0.659	-0.189	7.769	7.799
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T0F8X	Strain	tr1X	-11.861	-0.979	2.442	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T3F1X	Strain	TR1 FR 3S	0.622	-0.470	6.444	6.492
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T3F1XY	Strain	TR1 FR 3Y	-11.861	-0.978	2.440	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-10.514	-0.477	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T0F8Y	Strain	TR1 FR 3XY	-11.861	-0.978	2.439	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T0F8P	Strain	tr1XY	0.587	-0.294	5.797	5.834
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-10.514	-0.477	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T2F1P	Strain	tr1Y	0.454	-0.616	4.626	4.689
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T2F1Y	Strain	tr1P	-11.861	-0.979	2.442	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T1F1X	Strain	TR1 FR 3X	0.642	-0.483	6.904	6.951
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T1F1Y	Strain	TR1 FR 1X	0.519	-0.712	6.663	6.721
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T1F1P	Strain	TR1 FR 1XY	-11.861	-0.977	2.437	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WLA,T NR-	T1F1XY	Strain	TR1 FR 1Y	-11.861	-0.977	2.437	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T0F8XY	Strain	TR1 FR 1S	0.525	0.695	6.513	6.571
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T0F8X	Strain	tr1X	-11.866	0.829	2.442	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T3F1X	Strain	TR1 FR 3S	0.623	0.473	6.449	6.496
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T3F1XY	Strain	TR1 FR 3Y	-11.867	0.828	2.440	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T2f1X	Strain	0TR2 OR FR 6XY	-10.519	0.343	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T0F8Y	Strain	TR1 FR 3XY	-11.867	0.828	2.439	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T0F8P	Strain	tr1XY	0.480	0.625	5.029	5.090
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T3F1P	Strain	0TR2 OR FR 6Y	-10.519	0.343	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T2F1P	Strain	tr1Y	0.555	0.309	5.299	5.337
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T2F1Y	Strain	tr1P	-11.866	0.829	2.442	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T1F1X	Strain	TR1 FR 3X	0.651	0.458	6.978	7.023
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T1F1Y	Strain	TR1 FR 1X	0.659	0.163	8.046	8.075
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T1F1P	Strain	TR1 FR 1XY	-11.867	0.827	2.437	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WL_0,T BI+	T1F1XY	Strain	TR1 FR 1Y	-11.867	0.827	2.437	12.143
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T0F8XY	Strain	TR1 FR 1S	0.659	-0.189	7.777	7.807
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T0F8X	Strain	tr1X	-11.861	-0.979	2.442	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T3F1X	Strain	TR1 FR 3S	0.624	-0.470	6.454	6.501
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T3F1XY	Strain	TR1 FR 3Y	-11.861	-0.978	2.440	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T2f1X	Strain	0TR2 OR FR 6XY	-10.514	-0.477	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T0F8Y	Strain	TR1 FR 3XY	-11.861	-0.978	2.439	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T0F8P	Strain	tr1XY	0.588	-0.293	5.804	5.841
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T3F1P	Strain	0TR2 OR FR 6Y	-10.514	-0.477	1.080	10.580
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main	0.9 WR_0,T BI-	T2F1P	Strain	tr1Y	0.454	-0.616	4.626	4.689

32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WR_0,T BI-	T2F1Y	Strain	tr1P	-11.860	-0.979	2.442	12.149
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WR_0,T BI-	T1F1X	Strain	TR1 FR 3X	0.643	-0.483	6.915	6.961
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WR_0,T BI-	T1F1Y	Strain	TR1 FR 1X	0.520	-0.712	6.675	6.733
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WR_0,T BI-	T1F1P	Strain	TR1 FR 1XY	-11.861	-0.977	2.437	12.148
32	h4dr19.#32.tow	NL1 Lc 4 Con & Main 0.9 WR_0,T BI-	T1F1XY	Strain	TR1 FR 1Y	-11.861	-0.977	2.437	12.148
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T0F8XY	Strain	TR1 FR 1S	0.324	0.138	4.630	4.644
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T0F8X	Strain	tr1X	-11.079	-0.070	2.441	11.345
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T3F1X	Strain	TR1 FR 3S	0.352	0.001	4.335	4.350
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T3F1XY	Strain	TR1 FR 3Y	-11.079	-0.070	2.440	11.345
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T2f1X	Strain	0TR2 OR FR 6XY	-9.848	-0.062	1.079	9.907
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T0F8Y	Strain	TR1 FR 3XY	-11.080	-0.070	2.439	11.345
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T0F8P	Strain	tr1XY	0.337	0.103	4.018	4.034
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T3F1P	Strain	0TR2 OR FR 6Y	-9.848	-0.062	1.080	9.907
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T2F1P	Strain	tr1Y	0.337	-0.101	3.865	3.881
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T2F1Y	Strain	tr1P	-11.079	-0.070	2.442	11.345
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T1F1X	Strain	TR1 FR 3X	0.352	-0.007	4.495	4.509
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T1F1Y	Strain	TR1 FR 1X	0.318	-0.147	4.702	4.715
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T1F1P	Strain	TR1 FR 1XY	-11.080	-0.070	2.437	11.345
32	h4dr19.#32.tow	NL1 Lc 6 Permanent 0.9 GW,T Global	T1F1XY	Strain	TR1 FR 1Y	-11.080	-0.070	2.437	11.345
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T0F8XY	Strain	TR1 FR 1S	0.594	0.761	7.646	7.707
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T0F8X	Strain	tr1X	-17.239	1.532	3.256	17.611
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T3F1X	Strain	TR1 FR 3S	0.698	0.510	7.521	7.571
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T3F1XY	Strain	TR1 FR 3Y	-17.235	1.530	3.253	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-15.338	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T0F8Y	Strain	TR1 FR 3XY	-17.234	1.529	3.253	17.605
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-15.339	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T2F1P	Strain	tr1Y	0.617	0.328	6.192	6.232
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T2F1Y	Strain	tr1P	-17.240	1.533	3.257	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T1F1P	Strain	TR1 FR 1XY	-17.230	1.527	3.250	17.600
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 1 20 22 50,T NL+	T1F1XY	Strain	TR1 FR 1Y	-17.230	1.527	3.250	17.600
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T0F8X	Strain	tr1X	-17.239	1.532	3.256	17.611
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T3F1XY	Strain	TR1 FR 3Y	-17.235	1.530	3.253	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-15.338	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T0F8Y	Strain	TR1 FR 3XY	-17.234	1.529	3.253	17.605
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T0F8P	Strain	tr1XY	0.538	0.680	5.937	6.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-15.339	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T2F1Y	Strain	tr1P	-17.240	1.533	3.257	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T1F1X	Strain	TR1 FR 3X	0.728	0.493	8.104	8.151
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T1F1Y	Strain	TR1 FR 1X	0.732	0.166	9.244	9.274
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T1F1P	Strain	TR1 FR 1XY	-17.230	1.527	3.250	17.600
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB 3 30 32 52,T NL+	T1F1XY	Strain	TR1 FR 1Y	-17.230	1.527	3.250	17.600
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T0F8XY	Strain	TR1 FR 1S	0.735	-0.194	8.973	9.005
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T0F8X	Strain	tr1X	-17.224	-1.751	3.256	17.616
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T3F1X	Strain	TR1 FR 3S	0.701	-0.507	7.548	7.597
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T3F1XY	Strain	TR1 FR 3Y	-17.220	-1.748	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-15.325	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T0F8Y	Strain	TR1 FR 3XY	-17.219	-1.748	3.253	17.611
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-15.326	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T2F1P	Strain	tr1Y	0.507	-0.670	5.479	5.543
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T2F1Y	Strain	tr1P	-17.225	-1.751	3.257	17.617
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T1F1P	Strain	TR1 FR 1XY	-17.214	-1.746	3.250	17.605
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 1 20 22 50,T NL-	T1F1XY	Strain	TR1 FR 1Y	-17.215	-1.746	3.250	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T0F8X	Strain	tr1X	-17.224	-1.751	3.256	17.616
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T3F1XY	Strain	TR1 FR 3Y	-17.220	-1.748	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-15.325	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T0F8Y	Strain	TR1 FR 3XY	-17.219	-1.748	3.253	17.611
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T0F8P	Strain	tr1XY	0.656	-0.309	6.785	6.823
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30 32 52,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-15.326	-1.151	1.440	15.436

32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T2F1Y	Strain	tr1P	-17.225	-1.751	3.257	17.617
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T1F1X	Strain	TR1 FR 3X	0.722	-0.521	8.061	8.110
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T1F1Y	Strain	TR1 FR 1X	0.590	-0.781	7.852	7.913
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T1F1P	Strain	TR1 FR 1XY	-17.214	-1.746	3.250	17.605
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB 3 30	32 52,T NL-	T1F1XY	Strain	TR1 FR 1Y	-17.215	-1.746	3.250	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T0F8XY	Strain	TR1 FR 1S	0.596	0.762	7.670	7.730
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T0F8X	Strain	tr1X	-17.240	1.532	3.256	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T3F1X	Strain	TR1 FR 3S	0.700	0.510	7.542	7.591
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T3F1XY	Strain	TR1 FR 3Y	-17.236	1.530	3.253	17.607
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-15.339	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T0F8Y	Strain	TR1 FR 3XY	-17.235	1.530	3.253	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-15.340	0.957	1.440	15.437
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T2F1P	Strain	tr1Y	0.618	0.327	6.206	6.245
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T2F1Y	Strain	tr1P	-17.241	1.533	3.257	17.613
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T1F1P	Strain	TR1 FR 1XY	-17.230	1.527	3.250	17.601
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 1 20	22 50,T NR+	T1F1XY	Strain	TR1 FR 1Y	-17.231	1.527	3.250	17.601
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T0F8X	Strain	tr1X	-17.240	1.532	3.256	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T3F1XY	Strain	TR1 FR 3Y	-17.236	1.530	3.253	17.607
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-15.339	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T0F8Y	Strain	TR1 FR 3XY	-17.235	1.530	3.253	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T0F8P	Strain	tr1XY	0.540	0.680	5.957	6.020
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-15.340	0.957	1.440	15.437
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T2F1Y	Strain	tr1P	-17.241	1.533	3.257	17.613
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T1F1X	Strain	TR1 FR 3X	0.730	0.493	8.124	8.172
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T1F1Y	Strain	TR1 FR 1X	0.733	0.166	9.260	9.290
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T1F1P	Strain	TR1 FR 1XY	-17.230	1.527	3.250	17.601
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA 3 30	32 52,T NR+	T1F1XY	Strain	TR1 FR 1Y	-17.231	1.527	3.250	17.601
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T0F8XY	Strain	TR1 FR 1S	0.734	-0.195	8.956	8.988
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T0F8X	Strain	tr1X	-17.225	-1.751	3.256	17.617
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T3F1X	Strain	TR1 FR 3S	0.699	-0.507	7.528	7.577
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T3F1XY	Strain	TR1 FR 3Y	-17.221	-1.749	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-15.326	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T0F8Y	Strain	TR1 FR 3XY	-17.220	-1.748	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-15.326	-1.151	1.440	15.437
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T2F1P	Strain	tr1Y	0.505	-0.669	5.461	5.525
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T2F1Y	Strain	tr1P	-17.226	-1.751	3.257	17.618
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T1F1P	Strain	TR1 FR 1XY	-17.215	-1.746	3.250	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 1 20	22 50,T NR-	T1F1XY	Strain	TR1 FR 1Y	-17.216	-1.746	3.250	17.607
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T0F8X	Strain	tr1X	-17.225	-1.751	3.256	17.617
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T3F1XY	Strain	TR1 FR 3Y	-17.221	-1.749	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-15.326	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T0F8Y	Strain	TR1 FR 3XY	-17.220	-1.748	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T0F8P	Strain	tr1XY	0.655	-0.310	6.770	6.808
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-15.326	-1.151	1.440	15.437
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T2F1Y	Strain	tr1P	-17.226	-1.751	3.257	17.618
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T1F1X	Strain	TR1 FR 3X	0.721	-0.521	8.040	8.089
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T1F1Y	Strain	TR1 FR 1X	0.588	-0.780	7.829	7.889
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T1F1P	Strain	TR1 FR 1XY	-17.215	-1.746	3.250	17.606
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA 3 30	32 52,T NR-	T1F1XY	Strain	TR1 FR 1Y	-17.216	-1.746	3.250	17.607
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T0F8XY	Strain	TR1 FR 1S	1.649	1.210	17.658	17.776
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T0F8X	Strain	tr1X	-16.619	0.797	3.256	16.954
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T3F1X	Strain	TR1 FR 3S	1.443	0.515	13.400	13.487
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T3F1XY	Strain	TR1 FR 3Y	-16.623	0.796	3.253	16.957
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-14.385	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB 1 20	22 50,T NL+	T0F8Y	Strain	TR1 FR 3XY	-16.624	0.796	3.253	16.958

32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-14.384	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T2F1P	Strain	tr1Y	0.763	0.291	7.168	7.215
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T2F1Y	Strain	tr1P	-16.618	0.797	3.257	16.952
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T1F1P	Strain	TR1 FR 1XY	-16.630	0.795	3.249	16.963
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	1	20	22	50,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-16.629	0.795	3.250	16.962
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T0F8X	Strain	tr1X	-16.619	0.797	3.256	16.954
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T3F1XY	Strain	TR1 FR 3Y	-16.623	0.796	3.253	16.957
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-14.385	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-16.624	0.796	3.253	16.958
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T0F8P	Strain	tr1XY	0.767	0.753	7.570	7.646
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-14.384	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T2F1Y	Strain	tr1P	-16.618	0.797	3.257	16.952
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T1F1X	Strain	TR1 FR 3X	1.736	0.477	16.552	16.649
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.795	-0.321	19.788	19.872
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T1F1P	Strain	TR1 FR 1XY	-16.630	0.795	3.249	16.963
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRB	3	30	32	52,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-16.629	0.795	3.250	16.962
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.745	0.230	18.573	18.656
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T0F8X	Strain	tr1X	-16.614	-1.007	3.256	16.960
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T3F1X	Strain	TR1 FR 3S	1.447	-0.509	13.430	13.517
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-16.618	-1.007	3.253	16.963
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-16.619	-1.006	3.253	16.964
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T2F1P	Strain	tr1Y	0.626	-0.710	6.257	6.328
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T2F1Y	Strain	tr1P	-16.612	-1.007	3.257	16.959
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T1F1P	Strain	TR1 FR 1XY	-16.624	-1.006	3.249	16.969
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	1	20	22	50,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-16.624	-1.006	3.250	16.968
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T0F8X	Strain	tr1X	-16.614	-1.007	3.256	16.960
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-16.618	-1.007	3.253	16.963
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-16.619	-1.006	3.253	16.964
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T0F8P	Strain	tr1XY	0.926	-0.232	8.725	8.777
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T2F1Y	Strain	tr1P	-16.612	-1.007	3.257	16.959
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T1F1X	Strain	TR1 FR 3X	1.731	-0.544	16.517	16.616
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T1F1Y	Strain	TR1 FR 1X	1.713	-1.303	18.977	19.098
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T1F1P	Strain	TR1 FR 1XY	-16.624	-1.006	3.249	16.969
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WLB	3	30	32	52,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-16.624	-1.006	3.250	16.968
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T0F8XY	Strain	TR1 FR 1S	1.650	1.210	17.673	17.791
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T0F8X	Strain	tr1X	-16.619	0.797	3.256	16.954
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T3F1X	Strain	TR1 FR 3S	1.446	0.515	13.423	13.510
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-16.623	0.796	3.253	16.957
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-14.385	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T0F8Y	Strain	TR1 FR 3XY	-16.624	0.796	3.253	16.958
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	-14.384	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T2F1P	Strain	tr1Y	0.765	0.290	7.186	7.232
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T2F1Y	Strain	tr1P	-16.618	0.797	3.257	16.953
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T1F1P	Strain	TR1 FR 1XY	-16.630	0.795	3.249	16.963
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	1	20	22	50,T	NR+	T1F1XY	Strain	TR1 FR 1Y	-16.629	0.795	3.250	16.962
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	T0F8X	Strain	tr1X	-16.619	0.797	3.256	16.954
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-16.623	0.796	3.253	16.957
32	h4dr19.#32.tow	NL3	Br.	Lc	1b	Cold	WRA	3	30	32	52,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-14.385	0.275	1.440	14.459

32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T0F8Y	Strain	TR1 FR 3XY	-16.624	0.796	3.253	16.958
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T0F8P	Strain	tr1XY	0.770	0.754	7.598	7.674
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-14.384	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T2F1Y	Strain	tr1P	-16.618	0.797	3.257	16.953
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T1F1X	Strain	TR1 FR 3X	1.738	0.477	16.569	16.667
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T1F1Y	Strain	TR1 FR 1X	1.796	-0.321	19.799	19.883
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T1F1P	Strain	TR1 FR 1XY	-16.630	0.795	3.249	16.963
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA 3 30	32 52,T NR+	T1F1XY	Strain	TR1 FR 1Y	-16.629	0.795	3.250	16.962
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T0F8XY	Strain	TR1 FR 1S	1.744	0.229	18.561	18.644
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T0F8X	Strain	tr1X	-16.614	-1.007	3.256	16.960
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T3F1X	Strain	TR1 FR 3S	1.444	-0.509	13.407	13.494
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T3F1XY	Strain	TR1 FR 3Y	-16.618	-1.007	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-14.380	-0.457	1.440	14.460
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T0F8Y	Strain	TR1 FR 3XY	-16.619	-1.007	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T2F1P	Strain	tr1Y	0.623	-0.709	6.234	6.305
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T2F1Y	Strain	tr1P	-16.613	-1.007	3.257	16.959
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T1F1P	Strain	TR1 FR 1XY	-16.624	-1.006	3.249	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 1 20	22 50,T NR-	T1F1XY	Strain	TR1 FR 1Y	-16.624	-1.006	3.250	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T0F8X	Strain	tr1X	-16.614	-1.007	3.256	16.960
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T3F1XY	Strain	TR1 FR 3Y	-16.618	-1.007	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-14.380	-0.457	1.440	14.460
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T0F8Y	Strain	TR1 FR 3XY	-16.619	-1.007	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T0F8P	Strain	tr1XY	0.924	-0.233	8.705	8.757
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T2F1Y	Strain	tr1P	-16.613	-1.007	3.257	16.959
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T1F1X	Strain	TR1 FR 3X	1.730	-0.544	16.499	16.599
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T1F1Y	Strain	TR1 FR 1X	1.712	-1.302	18.964	19.086
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T1F1P	Strain	TR1 FR 1XY	-16.624	-1.006	3.249	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA 3 30	32 52,T NR-	T1F1XY	Strain	TR1 FR 1Y	-16.624	-1.006	3.250	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T0F8XY	Strain	TR1 FR 1S	0.882	0.867	10.414	10.487
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T0F8X	Strain	tr1X	-25.134	1.510	4.373	25.556
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T3F1X	Strain	TR1 FR 3S	0.911	0.496	9.245	9.303
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T3F1XY	Strain	TR1 FR 3Y	-25.126	1.507	4.368	25.548
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-22.628	1.099	2.437	22.785
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T0F8Y	Strain	TR1 FR 3XY	-25.125	1.507	4.367	25.546
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-22.629	1.099	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T2F1P	Strain	tr1Y	0.679	0.296	6.658	6.699
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T2F1Y	Strain	tr1P	-25.136	1.510	4.374	25.558
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T1F1P	Strain	TR1 FR 1XY	-25.116	1.504	4.362	25.536
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 1 20	22 50,T NL+	T1F1XY	Strain	TR1 FR 1Y	-25.117	1.504	4.362	25.537
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T0F8X	Strain	tr1X	-25.134	1.510	4.373	25.556
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T3F1XY	Strain	TR1 FR 3Y	-25.126	1.507	4.368	25.548
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-22.628	1.099	2.437	22.785
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T0F8Y	Strain	TR1 FR 3XY	-25.125	1.507	4.367	25.546
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T0F8P	Strain	tr1XY	0.615	0.689	6.536	6.601
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-22.629	1.099	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T2F1Y	Strain	tr1P	-25.136	1.510	4.374	25.558
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T1F1X	Strain	TR1 FR 3X	1.016	0.473	10.558	10.617
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T1F1Y	Strain	TR1 FR 1X	1.063	-0.001	12.568	12.613
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T1F1P	Strain	TR1 FR 1XY	-25.116	1.504	4.362	25.536
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB 3 30	32 52,T NL+	T1F1XY	Strain	TR1 FR 1Y	-25.117	1.504	4.362	25.537
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T0F8XY	Strain	TR1 FR 1S	1.042	-0.049	11.936	11.982
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T0F8X	Strain	tr1X	-25.118	-1.828	4.373	25.561
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T3F1X	Strain	TR1 FR 3S	0.915	-0.492	9.278	9.336

32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T3F1XY	Strain	TR1 FR 3Y	-25.111	-1.826	4.368	25.553
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-22.612	-1.385	2.437	22.785
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T0F8Y	Strain	TR1 FR 3XY	-25.109	-1.825	4.367	25.552
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-22.613	-1.386	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T2F1P	Strain	tr1Y	0.554	-0.670	5.835	5.899
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T2F1Y	Strain	tr1P	-25.120	-1.829	4.374	25.564
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T1F1P	Strain	TR1 FR 1XY	-25.100	-1.823	4.362	25.542
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 1 20	22 50,T NL-	T1F1XY	Strain	TR1 FR 1Y	-25.101	-1.823	4.362	25.542
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T0F8X	Strain	tr1X	-25.118	-1.828	4.373	25.561
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T3F1XY	Strain	TR1 FR 3Y	-25.111	-1.826	4.368	25.553
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-22.612	-1.385	2.437	22.785
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T0F8Y	Strain	TR1 FR 3XY	-25.109	-1.825	4.367	25.552
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T0F8P	Strain	tr1XY	0.756	-0.265	7.549	7.591
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-22.613	-1.386	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T2F1Y	Strain	tr1P	-25.120	-1.829	4.374	25.564
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T1F1X	Strain	TR1 FR 3X	1.010	-0.512	10.507	10.568
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T1F1Y	Strain	TR1 FR 1X	0.908	-0.913	11.033	11.108
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T1F1P	Strain	TR1 FR 1XY	-25.100	-1.823	4.362	25.542
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB 3 30	32 52,T NL-	T1F1XY	Strain	TR1 FR 1Y	-25.101	-1.823	4.362	25.542
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T0F8XY	Strain	TR1 FR 1S	0.885	0.868	10.442	10.515
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T0F8X	Strain	tr1X	-25.134	1.510	4.373	25.557
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T3F1X	Strain	TR1 FR 3S	0.914	0.496	9.270	9.328
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T3F1XY	Strain	TR1 FR 3Y	-25.127	1.507	4.368	25.548
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-22.628	1.099	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T0F8Y	Strain	TR1 FR 3XY	-25.125	1.507	4.367	25.547
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-22.629	1.099	2.437	22.787
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T2F1P	Strain	tr1Y	0.681	0.296	6.673	6.714
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T2F1Y	Strain	tr1P	-25.136	1.510	4.374	25.559
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T1F1P	Strain	TR1 FR 1XY	-25.116	1.504	4.362	25.537
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 1 20	22 50,T NR+	T1F1XY	Strain	TR1 FR 1Y	-25.117	1.504	4.362	25.537
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T0F8X	Strain	tr1X	-25.134	1.510	4.373	25.557
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T3F1XY	Strain	TR1 FR 3Y	-25.127	1.507	4.368	25.548
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-22.628	1.099	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T0F8Y	Strain	TR1 FR 3XY	-25.125	1.507	4.367	25.547
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T0F8P	Strain	tr1XY	0.618	0.690	6.560	6.625
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-22.629	1.099	2.437	22.787
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T2F1Y	Strain	tr1P	-25.136	1.510	4.374	25.559
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T1F1X	Strain	TR1 FR 3X	1.019	0.473	10.582	10.642
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T1F1Y	Strain	TR1 FR 1X	1.064	-0.002	12.586	12.631
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T1F1P	Strain	TR1 FR 1XY	-25.116	1.504	4.362	25.537
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA 3 30	32 52,T NR+	T1F1XY	Strain	TR1 FR 1Y	-25.117	1.504	4.362	25.537
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T0F8XY	Strain	TR1 FR 1S	1.041	-0.050	11.918	11.963
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T0F8X	Strain	tr1X	-25.119	-1.828	4.373	25.562
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T3F1X	Strain	TR1 FR 3S	0.912	-0.492	9.253	9.311
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T3F1XY	Strain	TR1 FR 3Y	-25.111	-1.826	4.368	25.554
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-22.613	-1.385	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T0F8Y	Strain	TR1 FR 3XY	-25.110	-1.826	4.367	25.552
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-22.614	-1.386	2.437	22.787
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T2F1P	Strain	tr1Y	0.551	-0.669	5.814	5.878
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T2F1Y	Strain	tr1P	-25.121	-1.829	4.374	25.564
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T1F1P	Strain	TR1 FR 1XY	-25.101	-1.823	4.362	25.542
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 1 20	22 50,T NR-	T1F1XY	Strain	TR1 FR 1Y	-25.102	-1.823	4.362	25.543
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000

32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T0F8X	Strain	tr1X	-25.119	-1.828	4.373	25.562
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T3F1XY	Strain	TR1 FR 3Y	-25.111	-1.826	4.368	25.554
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-22.613	-1.385	2.437	22.786
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T0F8Y	Strain	TR1 FR 3XY	-25.110	-1.826	4.367	25.552
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T0F8P	Strain	tr1XY	0.754	-0.266	7.531	7.573
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-22.614	-1.386	2.437	22.787
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T2F1Y	Strain	tr1P	-25.121	-1.829	4.374	25.564
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T1F1X	Strain	TR1 FR 3X	1.007	-0.512	10.482	10.543
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T1F1Y	Strain	TR1 FR 1X	0.906	-0.911	11.007	11.082
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T1F1P	Strain	TR1 FR 1XY	-25.101	-1.823	4.362	25.542
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA 3 30	32 52,T NR-	T1F1XY	Strain	TR1 FR 1Y	-25.102	-1.823	4.362	25.543
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T0F8XY	Strain	TR1 FR 1S	0.517	0.687	6.915	6.968
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T0F8X	Strain	tr1X	-14.364	0.721	3.255	14.745
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T3F1X	Strain	TR1 FR 3S	0.618	0.469	6.888	6.931
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T3F1XY	Strain	TR1 FR 3Y	-14.362	0.720	3.253	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-12.851	0.248	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T0F8Y	Strain	TR1 FR 3XY	-14.362	0.720	3.252	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-12.851	0.248	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T2F1P	Strain	tr1Y	0.554	0.305	5.775	5.809
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T2F1Y	Strain	tr1P	-14.364	0.721	3.256	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T1F1P	Strain	TR1 FR 1XY	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 1 20	22 50,T NL+	T1F1XY	Strain	TR1 FR 1Y	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T0F8X	Strain	tr1X	-14.364	0.721	3.255	14.745
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T3F1XY	Strain	TR1 FR 3Y	-14.362	0.720	3.253	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-12.851	0.248	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T0F8Y	Strain	TR1 FR 3XY	-14.362	0.720	3.252	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T0F8P	Strain	tr1XY	0.475	0.619	5.481	5.537
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-12.851	0.248	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T2F1Y	Strain	tr1P	-14.364	0.721	3.256	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T1F1X	Strain	TR1 FR 3X	0.645	0.454	7.408	7.450
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T1F1Y	Strain	TR1 FR 1X	0.655	0.161	8.484	8.511
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T1F1P	Strain	TR1 FR 1XY	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB 3 30	32 52,T NL+	T1F1XY	Strain	TR1 FR 1Y	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T0F8XY	Strain	TR1 FR 1S	0.657	-0.186	8.233	8.261
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T0F8X	Strain	tr1X	-14.359	-0.903	3.255	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T3F1X	Strain	TR1 FR 3S	0.621	-0.466	6.914	6.957
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T3F1XY	Strain	TR1 FR 3Y	-14.357	-0.902	3.253	14.749
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-12.847	-0.411	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T0F8Y	Strain	TR1 FR 3XY	-14.357	-0.902	3.252	14.748
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-12.847	-0.411	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T2F1P	Strain	tr1Y	0.453	-0.612	5.109	5.165
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T2F1Y	Strain	tr1P	-14.359	-0.903	3.256	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T1F1P	Strain	TR1 FR 1XY	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 1 20	22 50,T NL-	T1F1XY	Strain	TR1 FR 1Y	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T0F8X	Strain	tr1X	-14.359	-0.903	3.255	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T3F1XY	Strain	TR1 FR 3Y	-14.357	-0.902	3.253	14.749
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-12.847	-0.411	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T0F8Y	Strain	TR1 FR 3XY	-14.357	-0.902	3.252	14.748
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T0F8P	Strain	tr1XY	0.588	-0.289	6.286	6.320
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-12.847	-0.411	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T2F1Y	Strain	tr1P	-14.359	-0.903	3.256	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T1F1X	Strain	TR1 FR 3X	0.640	-0.479	7.366	7.409
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T1F1Y	Strain	TR1 FR 1X	0.514	-0.705	7.096	7.150
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T1F1P	Strain	TR1 FR 1XY	-14.355	-0.901	3.249	14.746

32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB 3 30	32 52,T NL-	T1F1XY	Strain	TR1 FR 1Y	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T0F8XY	Strain	TR1 FR 1S	0.519	0.688	6.939	6.992
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T0F8X	Strain	tr1X	-14.364	0.721	3.255	14.745
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T3F1X	Strain	TR1 FR 3S	0.620	0.469	6.907	6.951
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T3F1XY	Strain	TR1 FR 3Y	-14.362	0.720	3.253	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-12.851	0.248	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T0F8Y	Strain	TR1 FR 3XY	-14.362	0.720	3.252	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-12.851	0.248	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T2F1P	Strain	tr1Y	0.556	0.305	5.787	5.822
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T2F1Y	Strain	tr1P	-14.364	0.721	3.256	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T1F1P	Strain	TR1 FR 1XY	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 1 20	22 50,T NR+	T1F1XY	Strain	TR1 FR 1Y	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T0F8X	Strain	tr1X	-14.364	0.721	3.255	14.745
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T3F1XY	Strain	TR1 FR 3Y	-14.362	0.720	3.253	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-12.851	0.248	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T0F8Y	Strain	TR1 FR 3XY	-14.362	0.720	3.252	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T0F8P	Strain	tr1XY	0.479	0.620	5.507	5.562
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-12.851	0.248	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T2F1Y	Strain	tr1P	-14.364	0.721	3.256	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T1F1X	Strain	TR1 FR 3X	0.647	0.454	7.428	7.470
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T1F1Y	Strain	TR1 FR 1X	0.656	0.160	8.500	8.527
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T1F1P	Strain	TR1 FR 1XY	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA 3 30	32 52,T NR+	T1F1XY	Strain	TR1 FR 1Y	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T0F8XY	Strain	TR1 FR 1S	0.655	-0.187	8.217	8.245
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T0F8X	Strain	tr1X	-14.359	-0.903	3.255	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T3F1X	Strain	TR1 FR 3S	0.618	-0.466	6.894	6.937
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T3F1XY	Strain	TR1 FR 3Y	-14.357	-0.902	3.253	14.749
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-12.847	-0.411	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T0F8Y	Strain	TR1 FR 3XY	-14.357	-0.902	3.252	14.748
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-12.847	-0.411	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T2F1P	Strain	tr1Y	0.452	-0.612	5.100	5.157
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T2F1Y	Strain	tr1P	-14.359	-0.903	3.256	14.752
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T1F1P	Strain	TR1 FR 1XY	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 1 20	22 50,T NR-	T1F1XY	Strain	TR1 FR 1Y	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T0F8X	Strain	tr1X	-14.359	-0.903	3.255	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T3F1XY	Strain	TR1 FR 3Y	-14.357	-0.902	3.253	14.749
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-12.847	-0.411	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T0F8Y	Strain	TR1 FR 3XY	-14.357	-0.902	3.252	14.748
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T0F8P	Strain	tr1XY	0.586	-0.290	6.271	6.305
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-12.847	-0.411	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T2F1Y	Strain	tr1P	-14.359	-0.903	3.256	14.752
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T1F1X	Strain	TR1 FR 3X	0.637	-0.479	7.345	7.388
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T1F1Y	Strain	TR1 FR 1X	0.511	-0.704	7.072	7.125
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T1F1P	Strain	TR1 FR 1XY	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA 3 30	32 52,T NR-	T1F1XY	Strain	TR1 FR 1Y	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T0F8XY	Strain	TR1 FR 1S	0.595	0.760	7.164	7.228
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T3F1X	Strain	TR1 FR 3S	0.695	0.509	7.011	7.064
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T3F1XY	Strain	TR1 FR 3Y	-15.253	1.542	2.441	15.524
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T0F8P	Strain	tr1XY	0.536	0.678	5.436	5.505
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-13.505	0.969	1.081	13.582
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T2F1P	Strain	tr1Y	0.611	0.330	5.669	5.711
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T2F1Y	Strain	tr1P	-15.257	1.545	2.443	15.528
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL 0.9 WRB 5 23	25 51,T NL+	T1F1X	Strain	TR1 FR 3X	0.725	0.493	7.594	7.645

32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	5 23	25 51,T	NL+	T1F1Y	Strain	TR1 FR 1X	0.728	0.168	8.718	8.750
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	5 23	25 51,T	NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	5 23	25 51,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-15.250	1.540	2.438	15.520
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.595	0.760	7.164	7.228
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T0F8X	Strain	tr1X	-15.256	1.545	2.443	15.527
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T3F1X	Strain	TR1 FR 3S	0.695	0.509	7.011	7.064
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-13.504	0.968	1.080	13.582
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-15.253	1.542	2.440	15.524
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T0F8P	Strain	tr1XY	0.536	0.678	5.436	5.505
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T2F1P	Strain	tr1Y	0.611	0.330	5.669	5.711
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T1F1X	Strain	TR1 FR 3X	0.725	0.493	7.594	7.645
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T1F1Y	Strain	TR1 FR 1X	0.728	0.168	8.718	8.750
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T1F1P	Strain	TR1 FR 1XY	-15.250	1.539	2.438	15.520
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRB	7 33	35 53,T	NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T0F8XY	Strain	TR1 FR 1S	0.730	-0.196	8.447	8.481
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T3F1X	Strain	TR1 FR 3S	0.697	-0.506	7.035	7.088
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-15.238	-1.736	2.441	15.530
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T0F8P	Strain	tr1XY	0.651	-0.310	6.260	6.301
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-13.491	-1.139	1.081	13.582
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T2F1P	Strain	tr1Y	0.504	-0.668	4.974	5.044
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T2F1Y	Strain	tr1P	-15.241	-1.739	2.443	15.534
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T1F1X	Strain	TR1 FR 3X	0.719	-0.521	7.553	7.605
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.590	-0.781	7.373	7.437
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	5 23	25 51,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-15.235	-1.733	2.438	15.526
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T0F8XY	Strain	TR1 FR 1S	0.730	-0.196	8.447	8.481
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T0F8X	Strain	tr1X	-15.241	-1.738	2.443	15.533
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T3F1X	Strain	TR1 FR 3S	0.697	-0.506	7.035	7.088
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-13.491	-1.139	1.080	13.582
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-15.238	-1.735	2.440	15.529
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T0F8P	Strain	tr1XY	0.651	-0.310	6.260	6.301
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T2F1P	Strain	tr1Y	0.504	-0.668	4.974	5.044
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T1F1X	Strain	TR1 FR 3X	0.719	-0.521	7.553	7.605
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.590	-0.781	7.373	7.437
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T1F1P	Strain	TR1 FR 1XY	-15.235	-1.733	2.438	15.526
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLB	7 33	35 53,T	NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.596	0.761	7.186	7.251
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T3F1X	Strain	TR1 FR 3S	0.696	0.509	7.031	7.084
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-15.255	1.543	2.441	15.525
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T0F8P	Strain	tr1XY	0.538	0.679	5.456	5.524
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	-13.506	0.969	1.081	13.583
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T2F1P	Strain	tr1Y	0.612	0.329	5.682	5.724
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T2F1Y	Strain	tr1P	-15.258	1.546	2.443	15.529
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T1F1X	Strain	TR1 FR 3X	0.727	0.493	7.615	7.665
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T1F1Y	Strain	TR1 FR 1X	0.728	0.167	8.734	8.766
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	5 23	25 51,T	NR+	T1F1XY	Strain	TR1 FR 1Y	-15.251	1.540	2.438	15.522
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.596	0.761	7.186	7.251
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T0F8X	Strain	tr1X	-15.257	1.545	2.443	15.528
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T3F1X	Strain	TR1 FR 3S	0.696	0.509	7.031	7.084
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-13.505	0.968	1.080	13.583
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T0F8Y	Strain	TR1 FR 3XY	-15.254	1.542	2.440	15.525
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T0F8P	Strain	tr1XY	0.538	0.679	5.456	5.524
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7 33	35 53,T	NR+	T2F1P	Strain	tr1Y	0.612	0.329	5.682	5.724

32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35 53,T	NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35 53,T	NR+	T1F1X	Strain	TR1 FR 3X	0.727	0.493	7.615	7.665
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35 53,T	NR+	T1F1Y	Strain	TR1 FR 1X	0.728	0.167	8.734	8.766
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35 53,T	NR+	T1F1P	Strain	TR1 FR 1XY	-15.251	1.540	2.438	15.521
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WRA	7	33	35 53,T	NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T0F8XY	Strain	TR1 FR 1S	0.729	-0.196	8.431	8.465
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T3F1X	Strain	TR1 FR 3S	0.695	-0.507	7.015	7.068
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T3F1XY	Strain	TR1 FR 3Y	-15.239	-1.736	2.441	15.531
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T0F8P	Strain	tr1XY	0.649	-0.311	6.245	6.287
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	-13.492	-1.140	1.081	13.583
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T2F1P	Strain	tr1Y	0.503	-0.667	4.957	5.027
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T2F1Y	Strain	tr1P	-15.242	-1.739	2.443	15.535
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T1F1X	Strain	TR1 FR 3X	0.718	-0.521	7.532	7.585
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T1F1Y	Strain	TR1 FR 1X	0.589	-0.780	7.350	7.414
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	5	23	25 51,T	NR-	T1F1XY	Strain	TR1 FR 1Y	-15.236	-1.733	2.438	15.527
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T0F8XY	Strain	TR1 FR 1S	0.729	-0.196	8.431	8.465
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T0F8X	Strain	tr1X	-15.242	-1.738	2.443	15.534
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T3F1X	Strain	TR1 FR 3S	0.695	-0.507	7.015	7.068
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	-13.492	-1.139	1.080	13.583
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T0F8Y	Strain	TR1 FR 3XY	-15.239	-1.736	2.440	15.530
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T0F8P	Strain	tr1XY	0.649	-0.311	6.245	6.287
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T2F1P	Strain	tr1Y	0.503	-0.667	4.957	5.027
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T1F1X	Strain	TR1 FR 3X	0.718	-0.521	7.532	7.585
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T1F1Y	Strain	TR1 FR 1X	0.589	-0.780	7.350	7.414
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T1F1P	Strain	TR1 FR 1XY	-15.236	-1.733	2.438	15.527
32	h4dr19.#32.tow	NL3 Br.	Lc 1a EWL	0.9	WLA	7	33	35 53,T	NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T0F8XY	Strain	TR1 FR 1S	1.649	1.210	17.177	17.299
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T3F1X	Strain	TR1 FR 3S	1.439	0.515	12.890	12.980
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T3F1XY	Strain	TR1 FR 3Y	-13.706	0.814	2.440	13.945
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T0F8P	Strain	tr1XY	0.764	0.752	7.067	7.148
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-11.730	0.292	1.080	11.783
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T2F1P	Strain	tr1Y	0.756	0.292	6.637	6.686
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T2F1Y	Strain	tr1P	-13.697	0.815	2.443	13.937
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T1F1X	Strain	TR1 FR 3X	1.733	0.477	16.050	16.151
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.792	-0.320	19.282	19.367
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	5	23	25 51,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-13.714	0.813	2.438	13.953
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T0F8XY	Strain	TR1 FR 1S	1.649	1.210	17.177	17.299
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T0F8X	Strain	tr1X	-13.699	0.815	2.442	13.939
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T3F1X	Strain	TR1 FR 3S	1.439	0.515	12.890	12.980
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-11.730	0.292	1.080	11.784
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-13.707	0.814	2.440	13.946
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T0F8P	Strain	tr1XY	0.764	0.752	7.067	7.148
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T2F1P	Strain	tr1Y	0.756	0.292	6.637	6.686
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T1F1X	Strain	TR1 FR 3X	1.733	0.477	16.050	16.151
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.792	-0.320	19.282	19.367
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T1F1P	Strain	TR1 FR 1XY	-13.715	0.813	2.437	13.953
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRB	7	33	35 53,T	NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.742	0.229	18.063	18.148
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T3F1X	Strain	TR1 FR 3S	1.443	-0.509	12.919	13.010
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-13.700	-0.988	2.440	13.951
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T0F8P	Strain	tr1XY	0.919	-0.234	8.191	8.245
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-11.725	-0.440	1.080	11.783

32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T2F1P	Strain	tr1Y	0.622	-0.708	5.748	5.824
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T2F1Y	Strain	tr1P	-13.692	-0.989	2.443	13.943
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T1F1X	Strain	TR1 FR 3X	1.729	-0.544	16.016	16.119
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T1F1Y	Strain	TR1 FR 1X	1.713	-1.303	18.498	18.623
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	5	23	25 51,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-13.709	-0.987	2.438	13.959
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.742	0.229	18.063	18.148
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T0F8X	Strain	tr1X	-13.694	-0.989	2.442	13.945
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T3F1X	Strain	TR1 FR 3S	1.443	-0.509	12.919	13.010
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-11.726	-0.440	1.080	11.784
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-13.702	-0.988	2.440	13.952
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T0F8P	Strain	tr1XY	0.919	-0.234	8.191	8.245
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T2F1P	Strain	tr1Y	0.622	-0.708	5.748	5.824
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T1F1X	Strain	TR1 FR 3X	1.729	-0.544	16.016	16.119
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T1F1Y	Strain	TR1 FR 1X	1.713	-1.303	18.498	18.623
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T1F1P	Strain	TR1 FR 1XY	-13.710	-0.987	2.437	13.960
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLB	7	33	35 53,T	NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T0F8XY	Strain	TR1 FR 1S	1.650	1.210	17.192	17.313
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T3F1X	Strain	TR1 FR 3S	1.442	0.515	12.912	13.003
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-13.706	0.814	2.440	13.945
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T0F8P	Strain	tr1XY	0.767	0.753	7.092	7.173
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	-11.730	0.292	1.080	11.783
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T2F1P	Strain	tr1Y	0.758	0.292	6.654	6.703
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T2F1Y	Strain	tr1P	-13.697	0.815	2.443	13.937
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T1F1X	Strain	TR1 FR 3X	1.735	0.477	16.067	16.168
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T1F1Y	Strain	TR1 FR 1X	1.793	-0.320	19.292	19.378
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	5	23	25 51,T	NR+	T1F1XY	Strain	TR1 FR 1Y	-13.714	0.813	2.438	13.953
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T0F8XY	Strain	TR1 FR 1S	1.650	1.210	17.192	17.313
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T0F8X	Strain	tr1X	-13.699	0.815	2.442	13.939
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T3F1X	Strain	TR1 FR 3S	1.442	0.515	12.912	13.003
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-11.731	0.292	1.080	11.784
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T0F8Y	Strain	TR1 FR 3XY	-13.707	0.814	2.440	13.946
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T0F8P	Strain	tr1XY	0.767	0.753	7.092	7.173
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T2F1P	Strain	tr1Y	0.758	0.292	6.654	6.703
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T1F1X	Strain	TR1 FR 3X	1.735	0.477	16.067	16.168
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T1F1Y	Strain	TR1 FR 1X	1.793	-0.320	19.292	19.378
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T1F1P	Strain	TR1 FR 1XY	-13.715	0.813	2.437	13.954
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WRA	7	33	35 53,T	NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T0F8XY	Strain	TR1 FR 1S	1.741	0.228	18.051	18.136
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T3F1X	Strain	TR1 FR 3S	1.440	-0.509	12.897	12.987
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T3F1XY	Strain	TR1 FR 3Y	-13.701	-0.988	2.440	13.951
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T0F8P	Strain	tr1XY	0.916	-0.235	8.171	8.225
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	-11.725	-0.440	1.080	11.783
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T2F1P	Strain	tr1Y	0.619	-0.707	5.725	5.802
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T2F1Y	Strain	tr1P	-13.692	-0.989	2.443	13.943
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T1F1X	Strain	TR1 FR 3X	1.727	-0.544	16.000	16.102
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T1F1Y	Strain	TR1 FR 1X	1.712	-1.302	18.486	18.610
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	5	23	25 51,T	NR-	T1F1XY	Strain	TR1 FR 1Y	-13.709	-0.987	2.438	13.959
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T0F8XY	Strain	TR1 FR 1S	1.741	0.228	18.051	18.136
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T0F8X	Strain	tr1X	-13.694	-0.989	2.442	13.945
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T3F1X	Strain	TR1 FR 3S	1.440	-0.509	12.897	12.987
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	-11.726	-0.440	1.080	11.784
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T0F8Y	Strain	TR1 FR 3XY	-13.702	-0.988	2.440	13.952

32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T0F8P	Strain	tr1XY	0.916	-0.235	8.171	8.225
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T2F1P	Strain	tr1Y	0.619	-0.707	5.725	5.802
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T1F1X	Strain	TR1 FR 3X	1.727	-0.544	16.000	16.102
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T1F1Y	Strain	TR1 FR 1X	1.712	-1.302	18.486	18.610
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T1F1P	Strain	TR1 FR 1XY	-13.710	-0.987	2.437	13.960
32	h4dr19.#32.tow	NL3 Br.	Lc 1b Cold	0.9	WLA	7	33	35 53,T	NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.879	0.865	9.996	10.071
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T3F1X	Strain	TR1 FR 3S	0.916	0.495	8.890	8.951
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T3F1XY	Strain	TR1 FR 3Y	-35.731	1.493	5.719	36.217
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T0F8P	Strain	tr1XY	0.618	0.689	6.172	6.241
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-31.656	1.133	4.013	31.930
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T2F1P	Strain	tr1Y	0.689	0.292	6.338	6.382
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T2F1Y	Strain	tr1P	-35.755	1.496	5.729	36.242
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T1F1X	Strain	TR1 FR 3X	1.020	0.472	10.196	10.257
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.069	-0.005	12.230	12.277
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	5	23	25 51,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-35.708	1.490	5.708	36.192
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.879	0.865	9.996	10.071
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T0F8X	Strain	tr1X	-35.750	1.496	5.727	36.236
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T3F1X	Strain	TR1 FR 3S	0.916	0.495	8.890	8.951
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-31.654	1.133	4.012	31.927
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-35.728	1.493	5.717	36.213
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T0F8P	Strain	tr1XY	0.618	0.689	6.172	6.241
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T2F1P	Strain	tr1Y	0.689	0.292	6.338	6.382
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T1F1X	Strain	TR1 FR 3X	1.020	0.472	10.196	10.257
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T1F1Y	Strain	TR1 FR 1X	1.069	-0.005	12.230	12.277
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T1F1P	Strain	TR1 FR 1XY	-35.706	1.490	5.708	36.190
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRB	7	33	35 53,T	NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.048	-0.045	11.601	11.649
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T3F1X	Strain	TR1 FR 3S	0.919	-0.491	8.924	8.985
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-35.715	-1.946	5.719	36.222
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T0F8P	Strain	tr1XY	0.767	-0.261	7.236	7.282
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-31.639	-1.534	4.013	31.930
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T2F1P	Strain	tr1Y	0.559	-0.671	5.483	5.552
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T2F1Y	Strain	tr1P	-35.738	-1.949	5.729	36.247
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T1F1X	Strain	TR1 FR 3X	1.013	-0.511	10.143	10.206
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.904	-0.910	10.609	10.687
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	5	23	25 51,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-35.692	-1.943	5.708	36.198
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T0F8XY	Strain	TR1 FR 1S	1.048	-0.045	11.601	11.649
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T0F8X	Strain	tr1X	-35.733	-1.949	5.727	36.242
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T3F1X	Strain	TR1 FR 3S	0.919	-0.491	8.924	8.985
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-31.637	-1.534	4.012	31.927
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-35.712	-1.946	5.717	36.219
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T0F8P	Strain	tr1XY	0.767	-0.261	7.236	7.282
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T2F1P	Strain	tr1Y	0.559	-0.671	5.483	5.552
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T1F1X	Strain	TR1 FR 3X	1.013	-0.511	10.143	10.206
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.904	-0.910	10.609	10.687
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T1F1P	Strain	TR1 FR 1XY	-35.690	-1.943	5.708	36.196
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLB	7	33	35 53,T	NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25 51,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.882	0.866	10.025	10.101
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25 51,T	NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25 51,T	NR+	T3F1X	Strain	TR1 FR 3S	0.918	0.495	8.916	8.977
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25 51,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-35.732	1.493	5.719	36.217
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5	23	25 51,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000

32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T0F8P	Strain	tr1XY	0.621	0.690	6.197	6.266
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	-31.657	1.133	4.013	31.930
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T2F1P	Strain	tr1Y	0.691	0.292	6.355	6.399
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T2F1Y	Strain	tr1P	-35.755	1.497	5.729	36.242
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T1F1X	Strain	TR1 FR 3X	1.022	0.472	10.222	10.283
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T1F1Y	Strain	TR1 FR 1X	1.070	-0.006	12.249	12.295
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	5 23	25 51,T	NR+	T1F1XY	Strain	TR1 FR 1Y	-35.709	1.490	5.708	36.193
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.882	0.866	10.025	10.101
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T0F8X	Strain	tr1X	-35.750	1.496	5.727	36.237
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T3F1X	Strain	TR1 FR 3S	0.918	0.495	8.916	8.977
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-31.654	1.133	4.012	31.927
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T0F8Y	Strain	TR1 FR 3XY	-35.728	1.493	5.717	36.214
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T0F8P	Strain	tr1XY	0.621	0.690	6.197	6.266
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T2F1P	Strain	tr1Y	0.691	0.292	6.355	6.399
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T1F1X	Strain	TR1 FR 3X	1.022	0.472	10.222	10.283
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T1F1Y	Strain	TR1 FR 1X	1.070	-0.006	12.249	12.295
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T1F1P	Strain	TR1 FR 1XY	-35.707	1.490	5.708	36.191
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WRA	7 33	35 53,T	NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T0F8XY	Strain	TR1 FR 1S	1.047	-0.046	11.582	11.629
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T3F1X	Strain	TR1 FR 3S	0.917	-0.491	8.898	8.959
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T3F1XY	Strain	TR1 FR 3Y	-35.716	-1.947	5.719	36.223
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T0F8P	Strain	tr1XY	0.765	-0.262	7.218	7.263
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	-31.640	-1.534	4.013	31.930
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T2F1P	Strain	tr1Y	0.556	-0.670	5.462	5.531
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T2F1Y	Strain	tr1P	-35.739	-1.949	5.729	36.247
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T1F1X	Strain	TR1 FR 3X	1.010	-0.511	10.116	10.179
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T1F1Y	Strain	TR1 FR 1X	0.902	-0.908	10.581	10.658
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	5 23	25 51,T	NR-	T1F1XY	Strain	TR1 FR 1Y	-35.692	-1.944	5.708	36.198
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T0F8XY	Strain	TR1 FR 1S	1.047	-0.046	11.582	11.629
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T0F8X	Strain	tr1X	-35.734	-1.949	5.727	36.242
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T3F1X	Strain	TR1 FR 3S	0.917	-0.491	8.898	8.959
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	-31.637	-1.534	4.012	31.927
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T0F8Y	Strain	TR1 FR 3XY	-35.712	-1.946	5.717	36.219
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T0F8P	Strain	tr1XY	0.765	-0.262	7.218	7.263
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T2F1P	Strain	tr1Y	0.556	-0.670	5.462	5.531
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T1F1X	Strain	TR1 FR 3X	1.010	-0.511	10.116	10.179
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T1F1Y	Strain	TR1 FR 1X	0.902	-0.908	10.581	10.658
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T1F1P	Strain	TR1 FR 1XY	-35.691	-1.943	5.708	36.196
32	h4dr19.#32.tow	NL3 Br.	Lc 3 Wind + ice	0.9	WLA	7 33	35 53,T	NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.516	0.686	6.423	6.480
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T3F1X	Strain	TR1 FR 3S	0.613	0.468	6.371	6.418
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T3F1XY	Strain	TR1 FR 3Y	-11.601	0.738	2.440	11.877
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T0F8P	Strain	tr1XY	0.472	0.618	4.972	5.032
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	-10.285	0.264	1.080	10.345
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T2F1P	Strain	tr1Y	0.548	0.307	5.248	5.285
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T2F1Y	Strain	tr1P	-11.600	0.739	2.442	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T1F1X	Strain	TR1 FR 3X	0.641	0.454	6.893	6.938
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T1F1Y	Strain	TR1 FR 1X	0.651	0.163	7.961	7.989
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	5 23	25 51,T	NL+	T1F1XY	Strain	TR1 FR 1Y	-11.601	0.737	2.437	11.877
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T0F8XY	Strain	TR1 FR 1S	0.516	0.686	6.423	6.480
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T0F8X	Strain	tr1X	-11.600	0.738	2.442	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T3F1X	Strain	TR1 FR 3S	0.613	0.468	6.371	6.418

32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T2f1X	Strain	0TR2 OR FR 6XY	-10.285	0.264	1.080	10.345
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T0F8Y	Strain	TR1 FR 3XY	-11.601	0.737	2.439	11.877
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T0F8P	Strain	tr1XY	0.472	0.618	4.972	5.032
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T2F1P	Strain	tr1Y	0.548	0.307	5.248	5.285
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T1F1X	Strain	TR1 FR 3X	0.641	0.454	6.893	6.938
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T1F1Y	Strain	TR1 FR 1X	0.651	0.163	7.961	7.989
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T1F1P	Strain	TR1 FR 1XY	-11.601	0.737	2.437	11.877
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRB	7 33	35 53,T	NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T0F8XY	Strain	TR1 FR 1S	0.652	-0.188	7.705	7.735
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T3F1X	Strain	TR1 FR 3S	0.616	-0.466	6.397	6.443
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T3F1XY	Strain	TR1 FR 3Y	-11.596	-0.885	2.440	11.883
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T0F8P	Strain	tr1XY	0.582	-0.290	5.759	5.795
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	-10.281	-0.395	1.080	10.345
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T2F1P	Strain	tr1Y	0.449	-0.609	4.599	4.661
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T2F1Y	Strain	tr1P	-11.596	-0.885	2.442	11.883
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T1F1X	Strain	TR1 FR 3X	0.636	-0.478	6.852	6.898
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.513	-0.704	6.607	6.665
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	5 23	25 51,T	NL-	T1F1XY	Strain	TR1 FR 1Y	-11.597	-0.884	2.437	11.883
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T0F8XY	Strain	TR1 FR 1S	0.652	-0.188	7.705	7.735
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T0F8X	Strain	tr1X	-11.596	-0.885	2.442	11.883
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T3F1X	Strain	TR1 FR 3S	0.616	-0.466	6.397	6.443
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T2f1X	Strain	0TR2 OR FR 6XY	-10.281	-0.395	1.080	10.345
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T0F8Y	Strain	TR1 FR 3XY	-11.596	-0.885	2.439	11.883
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T0F8P	Strain	tr1XY	0.582	-0.290	5.759	5.795
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T2F1P	Strain	tr1Y	0.449	-0.609	4.599	4.661
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T1F1X	Strain	TR1 FR 3X	0.636	-0.478	6.852	6.898
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T1F1Y	Strain	TR1 FR 1X	0.513	-0.704	6.607	6.665
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T1F1P	Strain	TR1 FR 1XY	-11.597	-0.884	2.437	11.883
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLB	7 33	35 53,T	NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.518	0.687	6.446	6.503
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T3F1X	Strain	TR1 FR 3S	0.615	0.468	6.391	6.437
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T3F1XY	Strain	TR1 FR 3Y	-11.601	0.738	2.440	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T0F8P	Strain	tr1XY	0.474	0.618	4.990	5.050
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	-10.285	0.264	1.080	10.345
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T2F1P	Strain	tr1Y	0.549	0.306	5.260	5.298
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T2F1Y	Strain	tr1P	-11.600	0.739	2.442	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T1F1X	Strain	TR1 FR 3X	0.643	0.454	6.913	6.958
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T1F1Y	Strain	TR1 FR 1X	0.652	0.162	7.972	8.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	5 23	25 51,T	NR+	T1F1XY	Strain	TR1 FR 1Y	-11.601	0.737	2.437	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T0F8XY	Strain	TR1 FR 1S	0.518	0.687	6.446	6.503
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T0F8X	Strain	tr1X	-11.601	0.738	2.442	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T3F1X	Strain	TR1 FR 3S	0.615	0.468	6.391	6.437
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T2f1X	Strain	0TR2 OR FR 6XY	-10.285	0.264	1.080	10.345
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T0F8Y	Strain	TR1 FR 3XY	-11.601	0.737	2.439	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T0F8P	Strain	tr1XY	0.474	0.618	4.990	5.050
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T2F1P	Strain	tr1Y	0.549	0.306	5.260	5.298
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T1F1X	Strain	TR1 FR 3X	0.643	0.454	6.913	6.958
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T1F1Y	Strain	TR1 FR 1X	0.652	0.162	7.972	8.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T1F1P	Strain	TR1 FR 1XY	-11.602	0.737	2.437	11.878
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WRA	7 33	35 53,T	NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br.	Lc 4 Con & Main	0.9	WLA	5 23	25 51,T	NR-	T0F8XY	Strain	TR1 FR 1S	0.650	-0.188	7.689	7.719

32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T3F1X	Strain	TR1 FR 3S	0.614	-0.466	6.377	6.424
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T3F1XY	Strain	TR1 FR 3Y	-11.596	-0.885	2.440	11.883
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T0F8P	Strain	tr1XY	0.580	-0.291	5.745	5.781
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	-10.281	-0.395	1.080	10.345
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T2F1P	Strain	tr1Y	0.447	-0.609	4.583	4.644
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T2F1Y	Strain	tr1P	-11.596	-0.886	2.442	11.883
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T1F1X	Strain	TR1 FR 3X	0.634	-0.478	6.832	6.878
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T1F1Y	Strain	TR1 FR 1X	0.511	-0.703	6.584	6.641
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	5	23	25	51,T	NR-	T1F1XY	Strain	TR1 FR 1Y	-11.597	-0.884	2.437	11.883
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T0F8XY	Strain	TR1 FR 1S	0.650	-0.188	7.689	7.719
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T0F8X	Strain	tr1X	-11.596	-0.885	2.442	11.883
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T3F1X	Strain	TR1 FR 3S	0.614	-0.466	6.377	6.424
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T2f1X	Strain	0TR2 OR FR 6XY	-10.281	-0.395	1.080	10.345
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T0F8Y	Strain	TR1 FR 3XY	-11.596	-0.885	2.439	11.883
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T0F8P	Strain	tr1XY	0.580	-0.291	5.745	5.781
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T2F1P	Strain	tr1Y	0.447	-0.609	4.583	4.644
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T1F1X	Strain	TR1 FR 3X	0.634	-0.478	6.832	6.878
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T1F1Y	Strain	TR1 FR 1X	0.511	-0.703	6.584	6.641
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T1F1P	Strain	TR1 FR 1XY	-11.597	-0.884	2.437	11.883
32	h4dr19.#32.tow	NL3	Br.	Lc	4	Con & Main	0.9	WLA	7	33	35	53,T	NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T0F8X	Strain	tr1X	-17.239	1.532	3.256	17.611
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T3F1XY	Strain	TR1 FR 3Y	-17.235	1.530	3.253	17.606
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T2f1X	Strain	0TR2 OR FR 6XY	-15.338	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T0F8Y	Strain	TR1 FR 3XY	-17.234	1.529	3.253	17.605
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T3F1P	Strain	0TR2 OR FR 6Y	-15.339	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T2F1Y	Strain	tr1P	-17.240	1.533	3.257	17.612
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T1F1P	Strain	TR1 FR 1XY	-17.230	1.527	3.250	17.600
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRB	Ba,T	NL+				T1F1XY	Strain	TR1 FR 1Y	-17.230	1.527	3.250	17.600
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T0F8X	Strain	tr1X	-17.224	-1.751	3.256	17.616
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T3F1XY	Strain	TR1 FR 3Y	-17.220	-1.748	3.253	17.612
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T2f1X	Strain	0TR2 OR FR 6XY	-15.325	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T0F8Y	Strain	TR1 FR 3XY	-17.219	-1.748	3.253	17.611
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T3F1P	Strain	0TR2 OR FR 6Y	-15.326	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T2F1Y	Strain	tr1P	-17.225	-1.751	3.257	17.617
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T1F1P	Strain	TR1 FR 1XY	-17.214	-1.746	3.250	17.605
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WLB	Ba,T	NL-				T1F1XY	Strain	TR1 FR 1Y	-17.215	-1.746	3.250	17.606
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T0F8X	Strain	tr1X	-17.240	1.532	3.256	17.612
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T3F1XY	Strain	TR1 FR 3Y	-17.236	1.530	3.253	17.607
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T2f1X	Strain	0TR2 OR FR 6XY	-15.339	0.957	1.440	15.436
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T0F8Y	Strain	TR1 FR 3XY	-17.235	1.530	3.253	17.606
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T3F1P	Strain	0TR2 OR FR 6Y	-15.340	0.957	1.440	15.437
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T2F1Y	Strain	tr1P	-17.241	1.533	3.257	17.613
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3	Br.	Br.	Lc	1a	EWL	WRA	Ba,T	NR+				T1F1P	Strain	TR1 FR 1XY	-17.230	1.527	3.250	17.601

32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WRA Ba,T NR+	T1F1XY	Strain	TR1 FR 1Y	-17.231	1.527	3.250	17.601
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T0F8X	Strain	tr1X	-17.225	-1.751	3.256	17.617
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T3F1XY	Strain	TR1 FR 3Y	-17.221	-1.749	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-15.326	-1.151	1.440	15.436
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T0F8Y	Strain	TR1 FR 3XY	-17.220	-1.748	3.253	17.612
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-15.326	-1.151	1.440	15.437
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T2F1Y	Strain	tr1P	-17.226	-1.751	3.257	17.618
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T1F1P	Strain	TR1 FR 1XY	-17.215	-1.746	3.250	17.606
32	h4dr19.#32.tow	NL3 Br. Br. Lc 1a EWL WLA Ba,T NR-	T1F1XY	Strain	TR1 FR 1Y	-17.216	-1.746	3.250	17.607
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T0F8X	Strain	tr1X	-16.619	0.797	3.256	16.954
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T3F1XY	Strain	TR1 FR 3Y	-16.623	0.796	3.253	16.957
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-14.385	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T0F8Y	Strain	TR1 FR 3XY	-16.624	0.796	3.253	16.958
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-14.384	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T2F1Y	Strain	tr1P	-16.618	0.797	3.257	16.952
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T1F1P	Strain	TR1 FR 1XY	-16.630	0.795	3.249	16.963
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ba,T NL+	T1F1XY	Strain	TR1 FR 1Y	-16.629	0.795	3.250	16.962
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T0F8X	Strain	tr1X	-16.614	-1.007	3.256	16.960
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T3F1XY	Strain	TR1 FR 3Y	-16.618	-1.007	3.253	16.963
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T0F8Y	Strain	TR1 FR 3XY	-16.619	-1.006	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T2F1Y	Strain	tr1P	-16.612	-1.007	3.257	16.959
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T1F1P	Strain	TR1 FR 1XY	-16.624	-1.006	3.249	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ba,T NL-	T1F1XY	Strain	TR1 FR 1Y	-16.624	-1.006	3.250	16.968
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T0F8X	Strain	tr1X	-16.619	0.797	3.256	16.954
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T3F1XY	Strain	TR1 FR 3Y	-16.623	0.796	3.253	16.957
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-14.385	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T0F8Y	Strain	TR1 FR 3XY	-16.624	0.796	3.253	16.958
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-14.384	0.275	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T2F1Y	Strain	tr1P	-16.618	0.797	3.257	16.953
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T1F1P	Strain	TR1 FR 1XY	-16.630	0.795	3.249	16.963
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ba,T NR+	T1F1XY	Strain	TR1 FR 1Y	-16.629	0.795	3.250	16.962
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T0F8X	Strain	tr1X	-16.614	-1.007	3.256	16.960
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T3F1XY	Strain	TR1 FR 3Y	-16.618	-1.007	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-14.380	-0.457	1.440	14.460
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T0F8Y	Strain	TR1 FR 3XY	-16.619	-1.007	3.253	16.964
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-14.380	-0.457	1.440	14.459
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T2F1Y	Strain	tr1P	-16.613	-1.007	3.257	16.959
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000

32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T1F1P	Strain	TR1 FR 1XY	-16.624	-1.006	3.249	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ba,T NR-	T1F1XY	Strain	TR1 FR 1Y	-16.624	-1.006	3.250	16.969
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T0F8X	Strain	tr1X	-38.850	2.085	6.540	39.452
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T3F1XY	Strain	TR1 FR 3Y	-38.829	2.081	6.532	39.429
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-34.546	1.746	4.371	34.865
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T0F8Y	Strain	TR1 FR 3XY	-38.825	2.081	6.530	39.425
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-34.549	1.746	4.373	34.868
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T2F1Y	Strain	tr1P	-38.856	2.086	6.543	39.458
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T1F1P	Strain	TR1 FR 1XY	-38.800	2.076	6.520	39.398
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ba,T NL+	T1F1XY	Strain	TR1 FR 1Y	-38.802	2.077	6.521	39.400
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T0F8X	Strain	tr1X	-38.826	-2.577	6.540	39.458
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T3F1XY	Strain	TR1 FR 3Y	-38.805	-2.574	6.532	39.435
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-34.521	-2.183	4.371	34.865
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T0F8Y	Strain	TR1 FR 3XY	-38.801	-2.573	6.530	39.431
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-34.524	-2.184	4.373	34.868
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T2F1Y	Strain	tr1P	-38.832	-2.578	6.543	39.464
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T1F1P	Strain	TR1 FR 1XY	-38.776	-2.569	6.520	39.404
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ba,T NL-	T1F1XY	Strain	TR1 FR 1Y	-38.778	-2.569	6.521	39.406
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T0F8X	Strain	tr1X	-38.851	2.085	6.540	39.453
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T3F1XY	Strain	TR1 FR 3Y	-38.830	2.082	6.532	39.430
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-34.546	1.746	4.371	34.866
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T0F8Y	Strain	TR1 FR 3XY	-38.826	2.081	6.530	39.426
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-34.550	1.747	4.373	34.869
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T2F1Y	Strain	tr1P	-38.857	2.086	6.543	39.459
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T1F1P	Strain	TR1 FR 1XY	-38.800	2.077	6.520	39.399
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ba,T NR+	T1F1XY	Strain	TR1 FR 1Y	-38.802	2.077	6.521	39.401
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T0F8X	Strain	tr1X	-38.827	-2.577	6.540	39.458
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T3F1XY	Strain	TR1 FR 3Y	-38.806	-2.574	6.532	39.436
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-34.522	-2.184	4.371	34.866
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T0F8Y	Strain	TR1 FR 3XY	-38.802	-2.573	6.530	39.431
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-34.525	-2.184	4.373	34.869
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T2F1Y	Strain	tr1P	-38.833	-2.578	6.543	39.465
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T1F1P	Strain	TR1 FR 1XY	-38.776	-2.569	6.520	39.404
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ba,T NR-	T1F1XY	Strain	TR1 FR 1Y	-38.778	-2.570	6.521	39.407
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T0F8X	Strain	tr1X	-14.364	0.721	3.255	14.745
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T3F1XY	Strain	TR1 FR 3Y	-14.362	0.720	3.253	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	-12.851	0.248	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T0F8Y	Strain	TR1 FR 3XY	-14.362	0.720	3.252	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	-12.851	0.248	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000

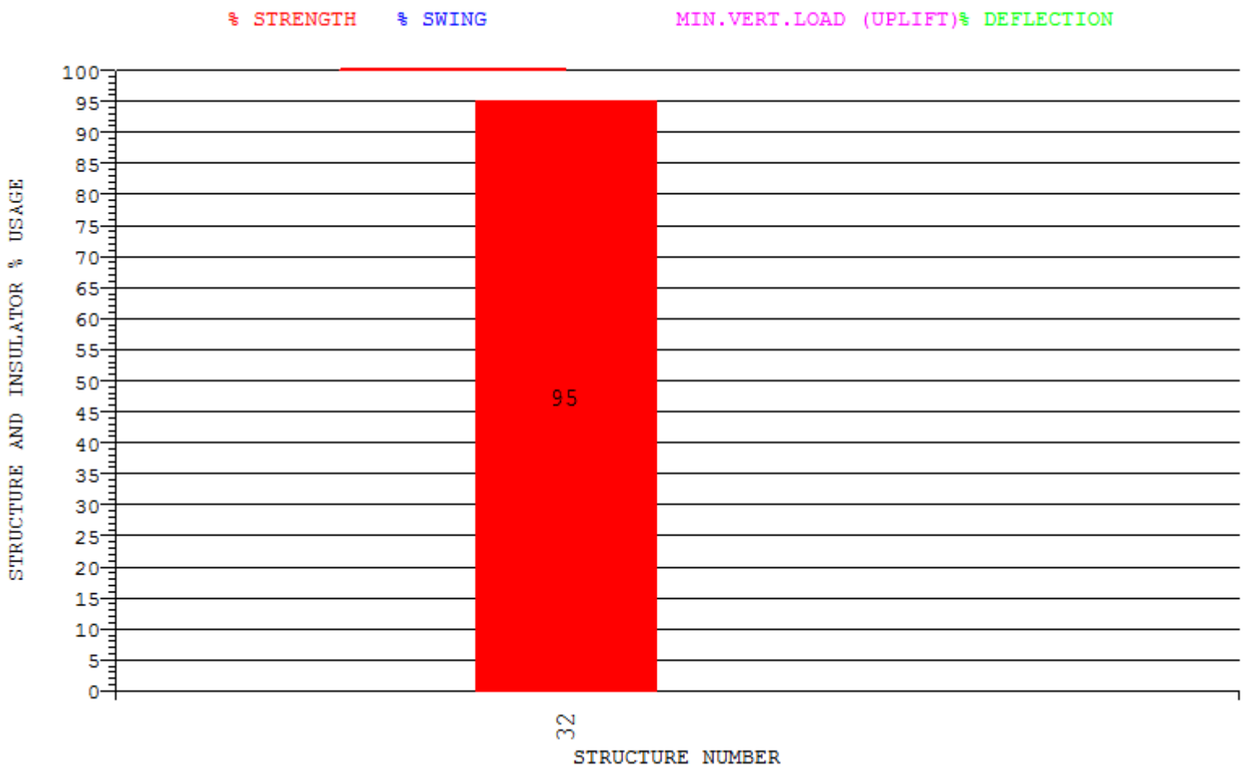
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T2F1Y	Strain	tr1P	-14.364	0.721	3.256	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T1F1P	Strain	TR1 FR 1XY	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRB Ba,T NL+	T1F1XY	Strain	TR1 FR 1Y	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T0F8X	Strain	tr1X	-14.359	-0.903	3.255	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T3F1XY	Strain	TR1 FR 3Y	-14.357	-0.902	3.253	14.749
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	-12.847	-0.411	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T0F8Y	Strain	TR1 FR 3XY	-14.357	-0.902	3.252	14.748
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	-12.847	-0.411	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T2F1Y	Strain	tr1P	-14.359	-0.903	3.256	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T1F1P	Strain	TR1 FR 1XY	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLB Ba,T NL-	T1F1XY	Strain	TR1 FR 1Y	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T0F8X	Strain	tr1X	-14.364	0.721	3.255	14.745
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T3F1XY	Strain	TR1 FR 3Y	-14.362	0.720	3.253	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	-12.851	0.248	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T0F8Y	Strain	TR1 FR 3XY	-14.362	0.720	3.252	14.743
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	-12.851	0.248	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T2F1Y	Strain	tr1P	-14.364	0.721	3.256	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T1F1P	Strain	TR1 FR 1XY	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WRA Ba,T NR+	T1F1XY	Strain	TR1 FR 1Y	-14.360	0.719	3.249	14.740
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T0F8XY	Strain	TR1 FR 1S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T0F8X	Strain	tr1X	-14.359	-0.903	3.255	14.751
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T3F1X	Strain	TR1 FR 3S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T3F1XY	Strain	TR1 FR 3Y	-14.357	-0.902	3.253	14.749
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	-12.847	-0.411	1.439	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T0F8Y	Strain	TR1 FR 3XY	-14.357	-0.902	3.252	14.748
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T0F8P	Strain	tr1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	-12.847	-0.411	1.440	12.934
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T2F1P	Strain	tr1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T2F1Y	Strain	tr1P	-14.359	-0.903	3.256	14.752
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T1F1X	Strain	TR1 FR 3X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T1F1Y	Strain	TR1 FR 1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T1F1P	Strain	TR1 FR 1XY	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 4 Con & Main WLA Ba,T NR-	T1F1XY	Strain	TR1 FR 1Y	-14.355	-0.901	3.249	14.746
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T0F8XY	Strain	TR1 FR 1S	0.594	0.761	7.646	7.707
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T3F1X	Strain	TR1 FR 3S	0.698	0.510	7.521	7.571
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T0F8P	Strain	tr1XY	0.538	0.680	5.937	6.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T2F1P	Strain	tr1Y	0.617	0.328	6.192	6.232
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T1F1X	Strain	TR1 FR 3X	0.728	0.493	8.104	8.151
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T1F1Y	Strain	TR1 FR 1X	0.732	0.166	9.244	9.274
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRB Ah,T NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T0F8XY	Strain	TR1 FR 1S	0.735	-0.194	8.973	9.005
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T3F1X	Strain	TR1 FR 3S	0.701	-0.507	7.548	7.597
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T0F8P	Strain	tr1XY	0.656	-0.309	6.785	6.823
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000

32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T0F8X	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T2F1P	Strain	tr1Y	0.507	-0.670	5.479	5.543
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T1F1X	Strain	TR1 FR 3X	0.722	-0.521	8.061	8.110
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T1F1Y	Strain	TR1 FR 1X	0.590	-0.781	7.852	7.913
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLB Ah,T NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T0F8XY	Strain	TR1 FR 1S	0.596	0.762	7.670	7.730
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T3F1X	Strain	TR1 FR 3S	0.700	0.510	7.542	7.591
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T0F8P	Strain	tr1XY	0.540	0.680	5.957	6.020
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T2F1P	Strain	tr1Y	0.618	0.327	6.206	6.245
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T1F1X	Strain	TR1 FR 3X	0.730	0.493	8.124	8.172
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T1F1Y	Strain	TR1 FR 1X	0.733	0.166	9.260	9.290
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WRA Ah,T NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T0F8XY	Strain	TR1 FR 1S	0.734	-0.195	8.956	8.988
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T3F1X	Strain	TR1 FR 3S	0.699	-0.507	7.528	7.577
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T0F8P	Strain	tr1XY	0.655	-0.310	6.770	6.808
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T2F1P	Strain	tr1Y	0.505	-0.669	5.461	5.525
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T1F1X	Strain	TR1 FR 3X	0.721	-0.521	8.040	8.089
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T1F1Y	Strain	TR1 FR 1X	0.588	-0.780	7.829	7.889
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1a EWL WLA Ah,T NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T0F8XY	Strain	TR1 FR 1S	1.649	1.210	17.658	17.776
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T3F1X	Strain	TR1 FR 3S	1.443	0.515	13.400	13.487
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T0F8P	Strain	tr1XY	0.767	0.753	7.570	7.646
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T2F1P	Strain	tr1Y	0.763	0.291	7.168	7.215
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T1F1X	Strain	TR1 FR 3X	1.736	0.477	16.552	16.649
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T1F1Y	Strain	TR1 FR 1X	1.795	-0.321	19.788	19.872
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRB Ah,T NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T0F8XY	Strain	TR1 FR 1S	1.745	0.230	18.573	18.656
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T3F1X	Strain	TR1 FR 3S	1.447	-0.509	13.430	13.517
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T0F8P	Strain	tr1XY	0.926	-0.232	8.725	8.777
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T2F1P	Strain	tr1Y	0.626	-0.710	6.257	6.328
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T1F1X	Strain	TR1 FR 3X	1.731	-0.544	16.517	16.616
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T1F1Y	Strain	TR1 FR 1X	1.713	-1.303	18.977	19.098
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLB Ah,T NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T0F8XY	Strain	TR1 FR 1S	1.650	1.210	17.673	17.791
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T3F1X	Strain	TR1 FR 3S	1.446	0.515	13.423	13.510
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000

32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T0F8P	Strain	tr1XY	0.770	0.754	7.598	7.674
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T2F1P	Strain	tr1Y	0.765	0.290	7.186	7.232
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T1F1X	Strain	TR1 FR 3X	1.738	0.477	16.569	16.667
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T1F1Y	Strain	TR1 FR 1X	1.796	-0.321	19.799	19.883
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WRA Ah,T NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T0F8XY	Strain	TR1 FR 1S	1.744	0.229	18.561	18.644
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T3F1X	Strain	TR1 FR 3S	1.444	-0.509	13.407	13.494
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T0F8P	Strain	tr1XY	0.924	-0.233	8.705	8.757
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T2F1P	Strain	tr1Y	0.623	-0.709	6.234	6.305
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T1F1X	Strain	TR1 FR 3X	1.730	-0.544	16.499	16.599
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T1F1Y	Strain	TR1 FR 1X	1.712	-1.302	18.964	19.086
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 1b Cold WLA Ah,T NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T0F8XY	Strain	TR1 FR 1S	0.926	0.906	10.918	10.995
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T3F1X	Strain	TR1 FR 3S	0.971	0.517	9.812	9.873
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T0F8P	Strain	tr1XY	0.662	0.725	6.973	7.041
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T2F1P	Strain	tr1Y	0.735	0.301	7.130	7.174
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T1F1X	Strain	TR1 FR 3X	1.074	0.493	11.135	11.198
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T1F1Y	Strain	TR1 FR 1X	1.116	-0.005	13.182	13.229
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRB Ah,T NL+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T0F8XY	Strain	TR1 FR 1S	1.098	-0.046	12.558	12.606
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T3F1X	Strain	TR1 FR 3S	0.975	-0.513	9.847	9.908
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T0F8P	Strain	tr1XY	0.816	-0.268	8.080	8.125
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T2F1P	Strain	tr1Y	0.596	-0.705	6.221	6.289
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T1F1X	Strain	TR1 FR 3X	1.067	-0.534	11.081	11.145
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T1F1Y	Strain	TR1 FR 1X	0.948	-0.952	11.525	11.603
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLB Ah,T NL-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T0F8XY	Strain	TR1 FR 1S	0.928	0.908	10.948	11.025
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T3F1X	Strain	TR1 FR 3S	0.974	0.517	9.839	9.900
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T0F8P	Strain	tr1XY	0.665	0.726	6.999	7.068
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T2F1P	Strain	tr1Y	0.736	0.300	7.148	7.192
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T1F1X	Strain	TR1 FR 3X	1.077	0.493	11.162	11.225
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T1F1Y	Strain	TR1 FR 1X	1.117	-0.006	13.201	13.248
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WRA Ah,T NR+	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T0F8XY	Strain	TR1 FR 1S	1.097	-0.047	12.538	12.586
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T0F8X	Strain	tr1X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T3F1X	Strain	TR1 FR 3S	0.972	-0.513	9.820	9.881
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T3F1XY	Strain	TR1 FR 3Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T2f1X	Strain	0TR2 OR FR 6XY	0.000	0.000	-0.000	0.000

32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T2F1XY	Strain	0TR2 OR FR 6X	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T0F8Y	Strain	TR1 FR 3XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T0F8P	Strain	tr1XY	0.814	-0.269	8.060	8.106
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T3F1P	Strain	0TR2 OR FR 6Y	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T3F1Y	Strain	0TR2 OR FR 6S	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T2F1P	Strain	tr1Y	0.594	-0.704	6.198	6.266
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T2F1Y	Strain	tr1P	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T1F1X	Strain	TR1 FR 3X	1.065	-0.534	11.054	11.118
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T1F1Y	Strain	TR1 FR 1X	0.946	-0.951	11.496	11.574
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T1F1P	Strain	TR1 FR 1XY	0.000	0.000	-0.000	0.000
32	h4dr19.#32.tow	NL3 Br. Lc 3 Wind + ice WLA Ah,T NR-	T1F1XY	Strain	TR1 FR 1Y	0.000	0.000	-0.000	0.000

Detailed Angle Member Uprating Report (data omitted at user request)



DNV·GL

ENGINEERING VERBINDING NW380

Belastingen en constructie berekeningen mast 32, opstijgpunten 32 en 673 van de 110kV verbinding Vierverlaten – Grijpskerk / Winsum Ranum t.b.v. vergunningen

TenneT B.V.

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Rapport titel:	Belastingen en constructie berekeningen mast 32, opstijgpunten 32 en 673 van de 110kV verbinding Vierverlaten – Grijpskerk/ Winsum Ranum t.b.v. vergunningen	KEMA Nederland B.V. Postbus 9035 6800 ET ARNHEM
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Taak en doelstelling:

Auteur:	Beoordeeld:	Goedgekeurd:
RWJA Lommers	E. Gharh Beklo	A van der Wal

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Rev.	Datum	Reden voor uitgave	Auteur	Beoordeeld	Goedgekeurd
1	2015-09-29	First issue	RWJA Lommers	E. Gharh Beklo	A. van der Wal
2.0	2015-10-23	RFA verwerk	RWJA Lommers	E. Gharh Beklo	A. van der Wal
3.0	2015-11-26	RFA verwerk	RWJA Lommers	E. Gharh Beklo	A. van der Wal

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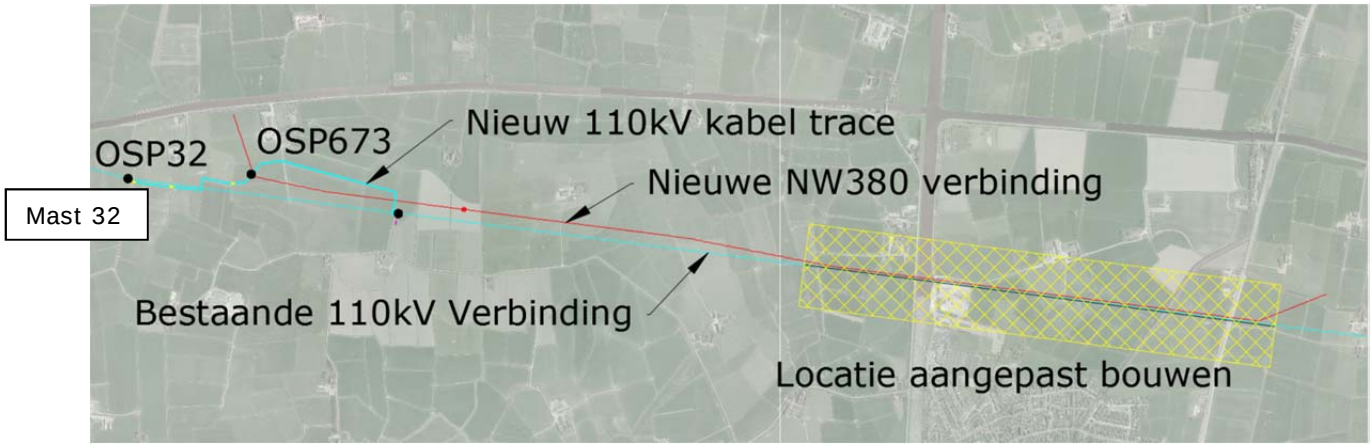
1 INLEIDING

De 110kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum is opgenomen in de Wintrack NoordWest380 verbinding tussen het mastnummer 648 en 673. Ter hoogte van mast 673 wordt een opstijgpunt gerealiseerd. De 110kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum wordt gerealiseerd door middel van een kabel en opstijgpunt nabij mast 32 naar Wintrack mast 673. In Figuur 1 is de locatie te zien waarin de verschillende bouwfasen door elkaar heen zichtbaar zijn.

In deze tijdelijke situatie wordt de mast 32 van de 110kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum mechanisch anders belast dan in de situatie waarvoor deze is ontworpen. De eventuele mechanische overschrijdingen ten opzichte van de bestaande situatie worden in dit rapport berekend. Uitgangspunt is dat de bestaande geleiders worden hergebruikt.

Verder worden in dit document een samenvatting gegeven van de berekende belastingen op de bestaande 110kV mast 32, 110kV opstijgpunt 32 en 110kV opstijgpunt 673.



Figuur 1 – Locatie overzicht

Uitgevoerde berekeningen zijn ten behoeve van een voorlopige vergunning aanvraag. Detail ontwerp en verdere berekeningen dienen door de uitvoerende aannemer te worden uitgevoerd om te komen tot een definitieve vergunningsaanvraag.

2 UITGANGSPUNTEN

2.1 Gebruikte normen

- NEN-EN 50341-1, “Bovengrondse elektrische lijnen boven 45 kV wisselspanning - Deel 1: Algemene eisen - Gemeenschappelijke specificaties
- NEN-EN 50341-1-15, “Bovengrondse elektrische lijnen boven 45 kV wisselspanning - Deel 3: Verzameling van nationale normatieve aspecten”.
- Lijnen – "Standaard Programma van Eisen" met referentie PVE.05.000 versie 2.0 d.d. juni 2014
- Lijnen – "Specifiek Programma van Eisen NoordWest 380 kV" met referentie sPVE.05.001 versie 2.1 juli 2015
- Bouwkunde – "Standaard Programma van Eisen" met referentie PVE.04.000 versie 1.4 d.d. mei 2014

2.2 Gebruikte software

Software	Versie
PLS-CADD	13.20
PLS-Tower	13.20
PLS-Pole	13.20
Excel	2010

2.3 Berekeningen derden

Voor de volgende onderdelen dienen er detail berekeningen door derden te worden uitgevoerd:

- Detail berekeningen constructie
- Detail berekeningen fundaties

2.4 Gebruikte tekeningen

De bestaande mast 32 en de opstijgpunten 32 en 673 in de 110 kV verbinding Vierverlaten – Grijpskerk/Winsum Ranum voor de tijdelijke situatie doorgerekend.

De berekening is gebaseerd op de constructietekeningen, zoals aangeleverd door TenneT, zie Tabel 2.1.

Tabel 2.1 – Tekeningen van toepassing voor mast 32

	Tekening nummer	Omschrijving
1.	N25-H4-DR-19-60-70-46965	Hoekmast H4DR19 Traverse 1
2.	N25-H4-DR-19-60-70-46966	Hoekmast H4DR19 Traverse 2
3.	N25-H4-DR-19-60-70-46967	Hoekmast H4DR19 Bovenstuk
4.	N25-H4-DR-19-60-70-46968	Hoekmast H4DR19 eerste tussenstuk

	Tekening nummer	Omschrijving
5.	N25-H4-DR-19-60-70-46969	Hoekmast H4DR19 tweede tussenstuk
6.	N25-H4-DR-19-60-70-46970	Hoekmast H4DR19 broekstuk

Voor opstijgpunt mast 32 (OSP32) en opstijgpunt bij mast 673 (OSP673) is een principe tekening opgesteld en weergegeven in respectievelijk tekening “74101611-031-140 - OSP32 versie 2.0-A3V.pdf” en “74101611-031-139 - Opstijgpunt OSP 673-A3V.pdf”. Zie bijlage D.

2.5 Toegepaste materialen

Stalen delen	:	Bestaand S235; Nieuw S355
Bouten & ankers	:	Bestaand 5.6; Nieuw 8.8
Isolatie materialen	:	Glas

2.6 Toegepaste kleuren

Mastlichaam	:	Grijs
Uitsluitend stalen delen	:	Grijs
Isolatie	:	Glas
Klemmen en armaturen	:	Gegalvaniseerd

2.7 Conservering

Conservering mastlichaam	:	Vuur verzinkt + beschermende coating
Conservering klemmen en armaturen	:	Thermisch verzinkt

2.8 Constructieve opbouw mast 32, opstijgpunt 32 en opstijgpunt 673

Voor de opbouw van de mast 32, opstijgpunt 32 en opstijgpunt 673 wordt verwezen naar paraaf 2.4.

3 CONSTRUCTIE BELASTINGEN

Dit hoofdstuk geeft de maximaal berekende belastingen vanuit de geleiders op het steun/afspanpunt van mast 32 en de opstijgpunten 32 en 673 voor de nieuwe situatie weer. De belastingen zijn inclusief klimatologische variabelen (wind en ijs) en veiligheidsfactoren conform NEN-EN 50341-1 en NEN-EN 50341-3.

3.1 Belasting kenmerken

De belasting wordt bepaald door de volgende factoren:

- omgevingsvariabelen
  - het gehanteerde windgebied is: II onbebouwd
  - met een referentie periode van: 50 jaar.
  - ijsgebied A voor fasedraad: $5\sqrt{d}$
  - ijsgebied A voor bliksemdraad: $5\sqrt{d}$
  - kortsluitbelasting 110kV: 30kA 1sec (t.b.v. OSP32 en OSP673)
  - kenmerken geleider en bliksemdraad kenmerken, zie Tabel 2
  - tracé kenmerken voor OSP32, mast 32 en OSP zijn weergegeven in Tabel 3 en Tabel 4

Tabel 2 – Kenmerken van bestaande en nieuwe geleiders

Type		Geleider	Bliksemdraad
		Groningen/Ostrich 21,8/17,25mm	Cochin
Doorsnede	mm2	281.9	169.55
Diameter	Mm	21.8	16.89
Gewicht	N/m	8.622	7.69
Nominale breekbelasting	N	73329	92078
Elasticiteit modulus	N/mm2	66000	103697
Lineaire uitzettingscoëfficiënt	m/°C	0.00002034	0.000154877

Tabel 3 – Mastenlijst

Constructie	RD coördinaat X (m)	RD coördinaat Y m)	Hoogte Z (NAP) (m)	Veldlengte (opvolgend) (m)	Oriëntatie hoek (t.o.v. lijnhoek) (graden)	Traverse as t.o.v. Noord (graden)	Mast hoogte (m)
OSP32 (110kV)	227783.667	590248.908	-0.074	2.582	7.8611	15.1864	5
32	227784.34	590251.4	-0.01	286.1	-0.7252	104.7543	28.15
33	227855.45	590528.522	-0.08	253.947	0	104.3917	28.15

Constructie	RD coördinaat X (m)	RD coördinaat Y m)	Hoogte Z (NAP) (m)	Veldlengte (opvolgend) (m)	Oriëntatie hoek (t.o.v. lijnhoek) (graden)	Traverse as t.o.v. Noord (graden)	Mast hoogte (m)
34	227918.569	590774.5	-0.13	281.426	0	104.3917	36.15
35	227988.518	591047.095	0.607	301.863	0	104.3917	36.15
36	228063.546	591339.485	0.78	308.92	0	104.3917	29.9
37	228140.328	591638.711	0.66	295.978	0	104.3917	29.9
38	228213.893	591925.401	0.622	295.152	0	104.3917	29.9
39	228287.254	592211.291	0.405	233.199	0	104.3917	47.15
40	228345.215	592437.172	0.87	295.027	0	104.3917	47.15
41	228418.544	592722.94	0.118	328.887	0	104.3917	29.9
42	228500.289	593041.506	0.61	0	0	104.3917	28.15
673	227792.964	589661.606	0.549	305.667	59.6116	131.687	52.6
OSP673 (110kV)	227802.447	589664.78	0.569	25.00	0	341.4928	5

Tabel 4 – Sectie informatie

Van mast	Naar mast	Geleider type	Trekparameter (10°C)	Horizontale geleidertrek [N]
32	42	cochin_acsr	1400	10767
		Groningen St/Al	1400	12071
673	684	ams 620_aaac	1800	31896
		brugg opgw 226-al2-38-a20sa	1800	16987
		hawk_st-ams	1800	17285
OSP673 (110kV)	673	Groningen St/Al	100	1772
OSP32 (110kV)	32	Groningen St/Al	20	354

3.2 Resultaat maximale belastingen op mast 32, opstijgpunt 32 en opstijgpunt 673

Tabel 5 geeft de maximaal optredende belastingen voor mast 32 en OSP32 voor de nieuwe situatie weer. Voor een compleet overzicht van alle optredende belastingen zie bijlage A.

Tabel 5 – Berekende maximale belasting mast 32 en OSP32

Structure nummer	Type	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Maatgevende load case
OSP32 (110kV)	osp 32 nw380.pol	-24789	2517	1549	Kortsluiting -20
32	h4dr19.#32.tow	8186	-3585	-48836	NL1 Lc 3 Wind + ice WLA

Tabel 6 geeft de maximaal optredende belastingen voor OSP673 voor de nieuwe situatie weer. Voor een compleet overzicht van alle optredende belastingen zie bijlage A.

Tabel 6 – Berekende maximale belasting OSP673

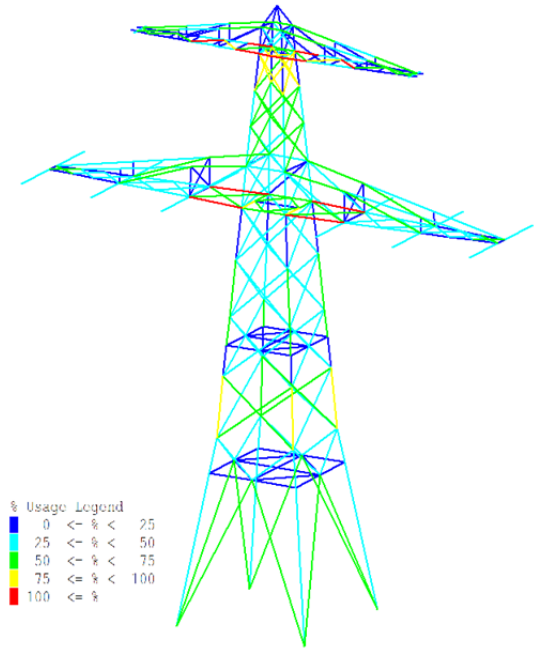
Structure nummer	Type	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Maatgevende load case
OSP673 (110kV)	osp 673 nw380.pol	-5513	-2438	-5108	Kortsluiting -20

4 RESULTATEN

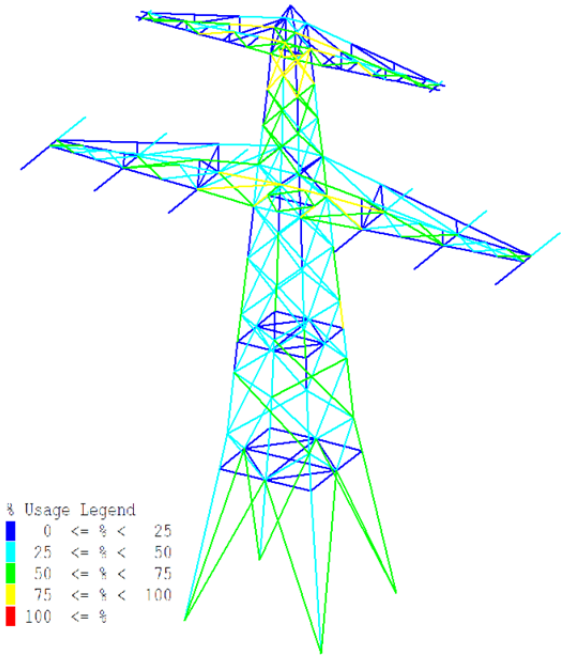
4.1 Resultaten mast 32

Mast 32 in de lijn 110 kV Vierverlaten – Grijpskerk/Winsum Ranum is voor de eindsituatie doorgerekend. Uit de berekeningen blijkt dat mast 32 in de initiële situaties niet voldoet. Uit de berekeningen volgt dat de mechanische capaciteit bij mast 32 in toekomstige situatie op diverse plaatsen overschreden wordt, zie Figuur 2 voor visualisatie zonder aanpassingen en zie Figuur 3 ná aanpassingen. Een uitgebreidere samenvatting van de berekeningen die zijn uitgevoerd zijn toegevoegd in bijlage B.

Voor de benodigde aanpassingen op de bestaande mast ontwerp H1-DR-19 wordt verwezen naar tekening 74101611-035-181. Zie bijlage D.



Figuur 2 – Vóór aanpassing van mast 32



Figuur 3 – Ná aanpassing van mast 32

Niet alle gegevens betreffende de bestaande funderingen zijn beschikbaar. Er is daarom gekozen voor een benadering waarbij de bestaande belastingen op de fundering vergeleken worden met de belastingen op de fundering in de nieuwe situatie.

<u>Fundatie belastingen</u>

Tabel 7 en Tabel 8 geven de maximale en minimale optredende verticale fundering belastingen voor mast 32 in de initiële situatie als voor de nieuwe definitieve situatie, voor de maatgevende mastpoot aan. Voor een compleet overzicht van alle optredende belastingen zie bijlage C.

Tabel 7 – Funderingsbelasting in initiële situatie (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting
32	553.77	-653.63

Tabel 8 – Funderingsbelasting in definitieve situatie (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting
32	584.85	-720.73

Conclusie

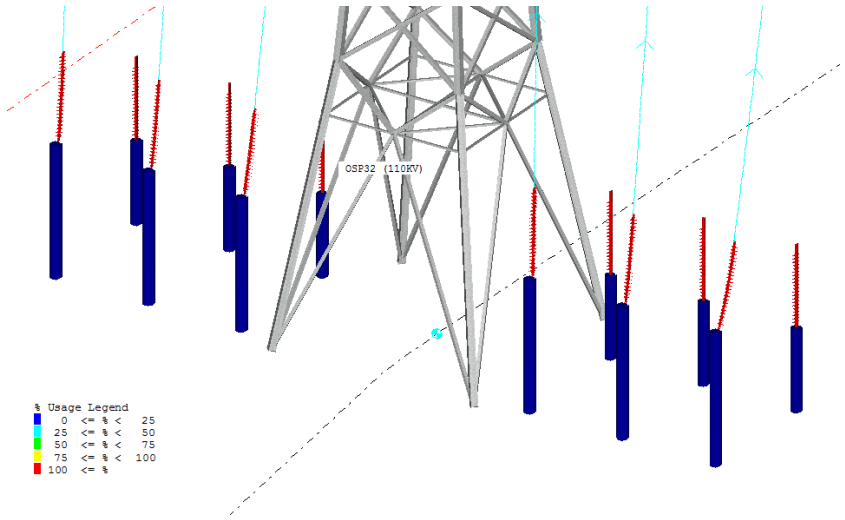
Zowel de trekkracht als de drukkracht op de fundering nemen voor de maatgevende mast toe. Er zijn echter onvoldoende gegevens bekend van de bestaande fundatie. Om de capaciteit van de fundatie vast te stellen is een nader onderzoek nodig naar de bestaande fundatie en sonderingen en dan kan de maximale belasting van de fundatie berekend worden.

Als de capaciteit niet voldoende is kan de capaciteit van de fundaties verhoogd worden door palen bij te slaan. Voor mast 32 zullen er per funderingspoer twee palen van een nader te bepalen lengte bij moeten worden geslagen. De lengte van de palen zal afhangen van de sonderinggegevens.

Door middel van een juk dat aan beide palen gekoppeld zit, zal er een sterke en stijve verbinding gemaakt moeten worden met het ingestorte stalen deel van de mastpoot. Hierdoor zal de belasting op het ingestorte gedeelte in het beton niet vergroot worden. Een principe is weergegeven in tekening 74101611-32-473 en een principe berekening in 74101611-32-473-A3.

4.2 Resultaat opstijgpunt 32

Opstijgpunt 32 in de lijn 110kV Vierverlaten – Grijpskerk/Winsum Ranum is voor het eind situaties doorgerekend. Uit de berekeningen blijkt dat de ondersteuningen voor het opstijgpunt voldoet, zie Figuur 4. Voor een principe tekening van het opstijgpunt wordt verwezen naar tekening, 74101611-031-140, 74101611-13-05V, 74101611-13-04V en 74101611-13-06V. Zie bijlage D.



Figuur 4 – Opstijgpunt nabij mast 32 (OSP32)

Fundatie belastingen

De tabel hieronder geven de maximale en minimale optredende funderingsbelastingen. Die als uitganspunt dienen voor de fundatie berekeningen. Voor een compleet overzicht van alle optredende belastingen zie bijlage C. Voor een principe van de fundatie zie tekening 74101611-32-472V. Zie bijlage D.

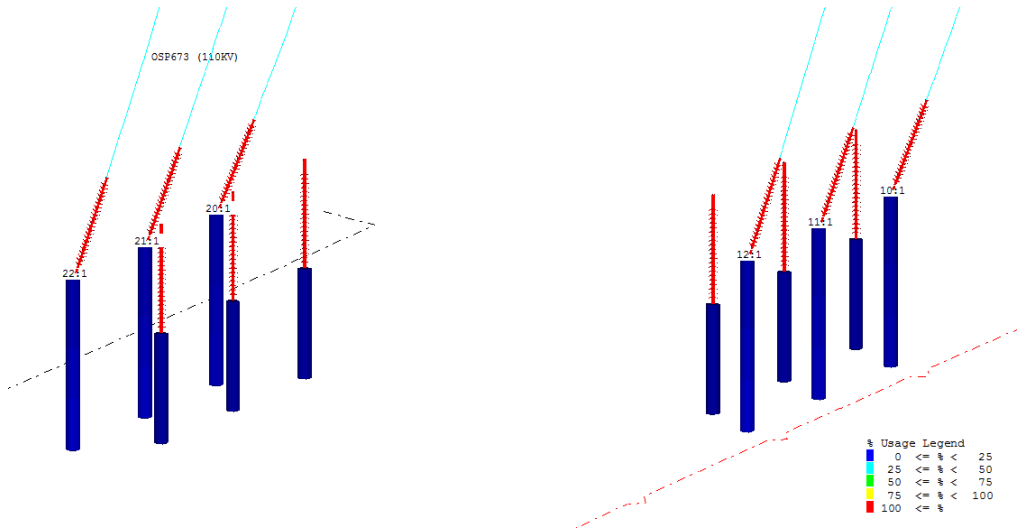
Tabel 9 – Funderingsbelasting opstijgpunt OSP32 (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting	Optredend moment	Optredende dwarsbelasting
OSP32 (110kV)	14.18	-3.43	6.18	2.09

4.3 Resultaat opstijgpunt 673 (OSP673)

Opstijgpunt 673 in de lijn 110kV Vierverlaten – Grijpskerk/Winsum Ranum is voor het eind situaties doorgerekend. Uit de berekeningen blijkt dat de ondersteuningen voor de opstijgpunten voldoen, zie Figuur 5. Voor een principe tekening van het opstijgpunt wordt verwezen naar tekening, 74101611-031-13974101611-031-140, 74101611-13-05V, 74101611-13-04V en 74101611-13-06V. Zie bijlage D.

Voor een compleet overzicht van alle optredende belastingen zie bijlage B.



Figuur 5 – Opstijgpunt nabij mast 673 (OSP673)

Fundatie belastingen

De tabel hieronder geeft de maximale en minimale optredende funderingsbelastingen weer die als uitganspunt dienen voor de fundatie berekeningen. Voor een compleet overzicht van alle optredende belastingen zie bijlage C. Voor een principe van de fundatie zie tekening 74101611-32-472V. Zie bijlage D.

Tabel 10 – Funderingsbelasting opstijgpunt OSP673 (kN)

Mast nummer	Optredende trek belasting	Optredende druk belasting	Optredend moment	Optredende dwarsbelasting
OSP673 (110kV)	2.71	-4.10	21.87	5.66

4.4 Mastgewicht

Het totaal mastgewicht van mast 32 van de de110kV lijn Vierverlaten – Grijpskerk/Winsum Ranum, van het type H1-DR-19-60-70, is ongeveer 15.3 ton.

BIJLAGE A BELASTINGEN OSP32, MAST 32 EN OSP673

Alle berekende belastingen voor OSP32, mast32 en osp673 Vierverlaten – Grijpskerk / Winsum –Ranum zijn separaat toegevoegd in een Excel files “74101611-35-139-A1 Belastingen OSP 673.xlsx” en “74101611-35-140-A1 Belastingen mast 32 en OSP32.xlsx”

BIJLAGE B SUMMARY OSP32, MAST 32 EN OSP673

Een uitgebreidere samenvatting van de berekeningen die zijn uitgevoerd zijn separaat toegevoegd in documenten , “Bijlage B Summary berekeningen mast 32 en OSP32” en “Bijlage B Summery berekeningen OSP673”.

De tabellen die zijn opgenomen in de rapportage zijn, onderscheiden zich als volgt:

- Structure Locations and Usage Report
  - Deze tabel geeft een samenvatting van de uiterste belasting waarin de masten kunnen worden belast.
- Summary of Maximum Usages by Load Case
  - Deze tabel geeft per mast de maximale belaste elementen per belastingsgeval
- Summary of Joint Support Reactions For All Load Cases
  - Deze tabel geeft de belastingen op de fundaties per load case in verticale, horizontale richting en momenten.
- Loads At Insulator Attachments For All Load Cases
  - Deze tabel geeft de belasting, in het coördinaten systeem van de mast, ten gevolge eigengewicht en externe belasting (wind en ijs).
- Structure and insulator usage grafiek
  - Deze grafiek verbeeldt de maximale gebruiksbelastingen van mast en isolator uitzwaai.

BIJLAGE C FUNDATIE BELASTINGEN OSP32, MAST 32 EN OSP673

Alle berekende fundatie belastingen voor OSP32, mast32 en osp673 Vierverlaten – Grijpskerk / Winsum –Ranum zijn separaat toegevoegd in een Excel files “74101611-35-139-A1 Fundatie belastingen OSP 673.xlsx” en “74101611-35-139-A1 Belastingen OSP 673.xlsx

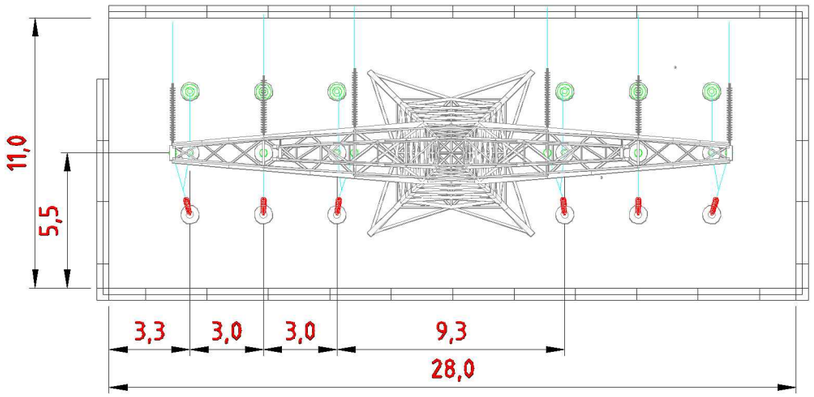
BIJLAGE D TEKENINGEN EN DOCUMENTEN

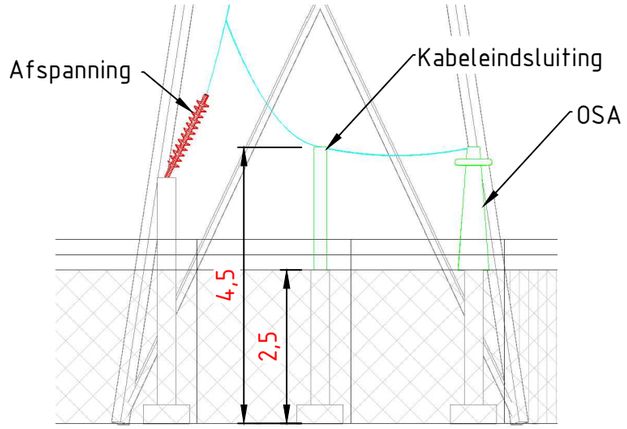
Tekeningen van toepassing zijn separaat toegevoegd. Zie onderstaande tabel.

	Document nummer	Omschrijving
1.	74101611-031-139	Opstijgpunt OSP 673-A3V
2.	74101611-031-140	OSP32 versie 2.0-A3V
3.	74101611-035-181V	Mast aanpassingen voor mast 32 van het type H4-DR-19-Rev 2.0
4.	74101611-032-473V	Principe fundatie versterking bij mast 32
5.	74101611-032-473V-A3	Voorbeeld Paalberekening mast 32 capaciteit
6.	74101611-13-04V	Principe ontwerp opstelling overspannings afleider 110kV
7.	74101611-13-05V	Principe ontwerp afspanning 110kV opstijgpunt v1.0
8.	74101611-13-06V	Principe ontwerp opstelling kabeleindsluiting 110kV V1.0

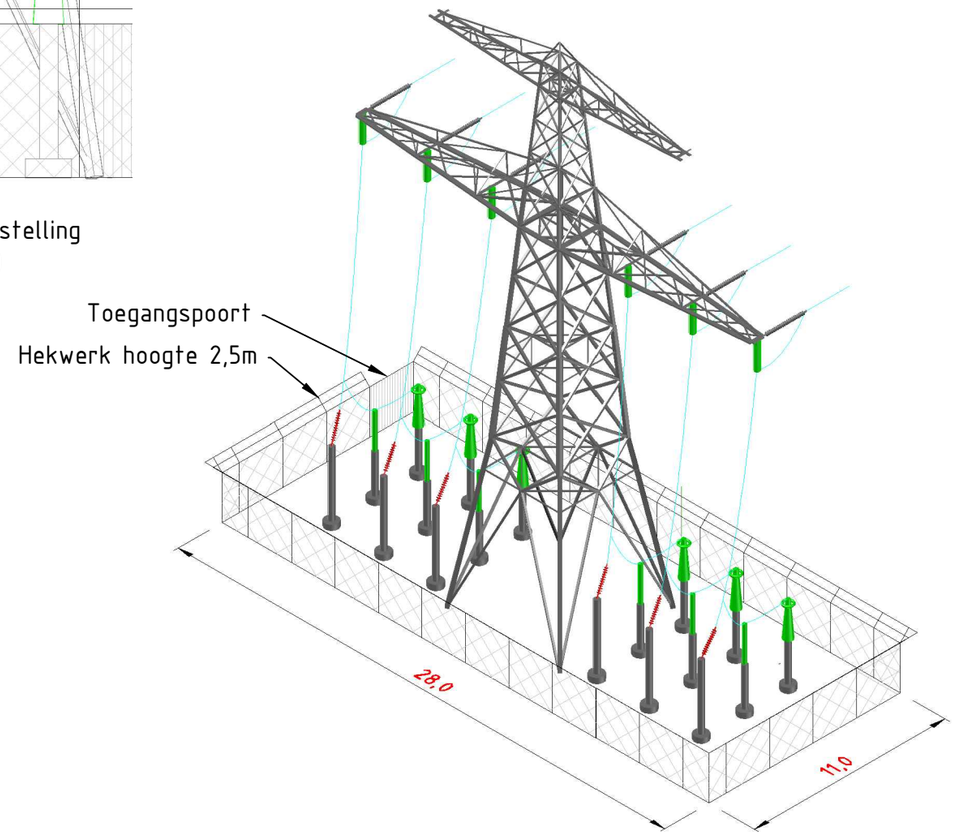
ABOUT DNV GL

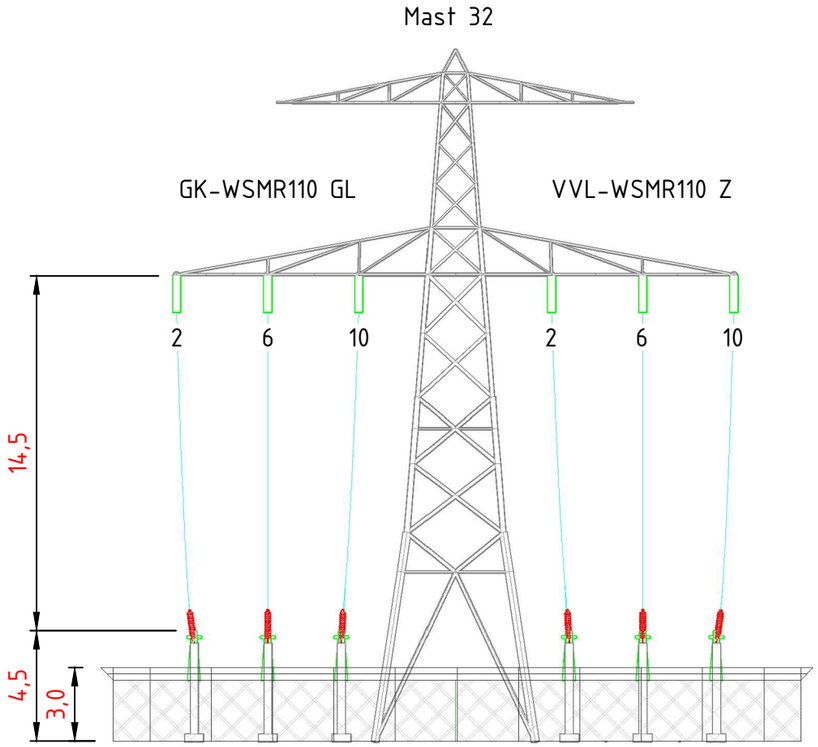
Vanuit haar streven leven, bezit en het milieu te beschermen stelt DNV GL organisaties in staat de veiligheid en duurzaamheid van hun activiteiten te bevorderen. DNV GL biedt classificering en technische borging, naast software en onafhankelijk, deskundig advies voor de maritieme, de olie- en gas en de energiesector. Daarnaast biedt het bedrijf certificeringsservices voor klanten in uiteenlopende sectoren. DNV GL, opgericht in 1864, is actief in meer dan 100 landen over de hele wereld en telt 16.000 medewerkers, die klanten helpen richting een veiligere, slimmere en groenere wereld.

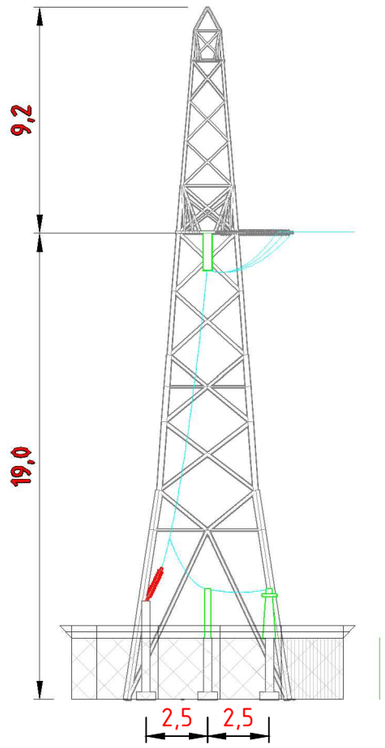




Detail apparatuur opstelling
(schaal 1:100)







Opmerkingen

- Hekwerk en poort(en) conform, TenneT "SPE.04.002 Specificatie hekwerken en poorten"

T.B.V. Vergunnings aanvraag

3.0	17-02-2015	OSA Postie veranderd
2.0	17-02-2015	Diverse aanpassing volgens RFA en OSA toegeovegd
1.0	17-02-2015	Concept uitgave

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-031-140V

Design state: DEFINITIEF		Scale:	1:200
Drawn by: EKA	17-02-2015	Units:	m
Checked by: RLo	17-02-2015	Project no:	000.144
Approved by: AW	17-02-2015	Company:	TenneT

Description: Principe tekening t.b.v. 110kV kabel opstijgpunt bij mast 32

Revision: 3.0

Format: A3

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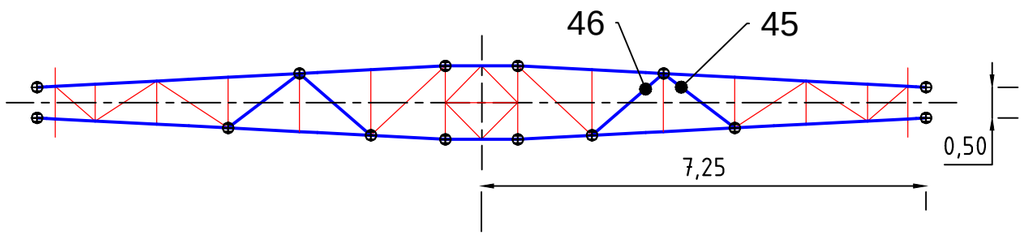
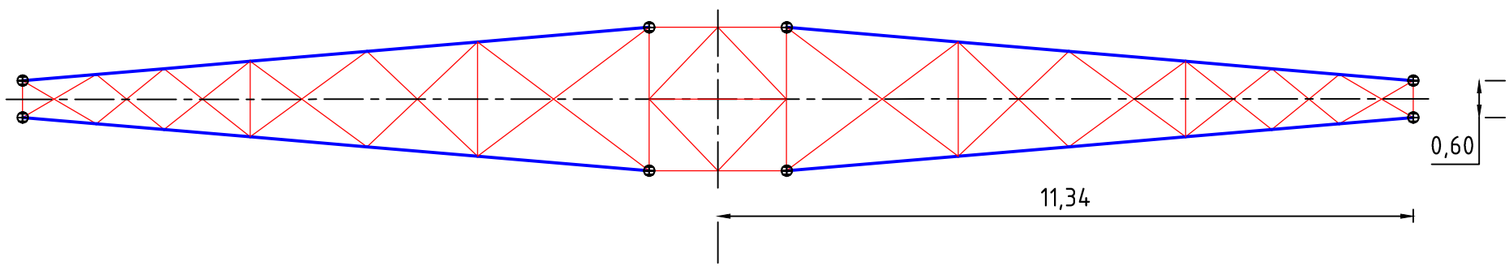
Legenda:

- **Alle aanpassingen volgens tabel.**
- **Deze overzichtstekening geeft enkel de benodigde profielaanpassingen weer voor masttype H4DR19 110kV Vierverlaten-Winsum**
- **Alle aanpassingen symmetrisch uitvoeren**
- **Materiaal kwaliteit nieuwe profielen S355J0**
- **Bout kwaliteit 8.8r**

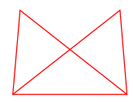
Te vervangen bouten en/of profiel
Te vervangen bouten van profiel
Begin/einde profiel



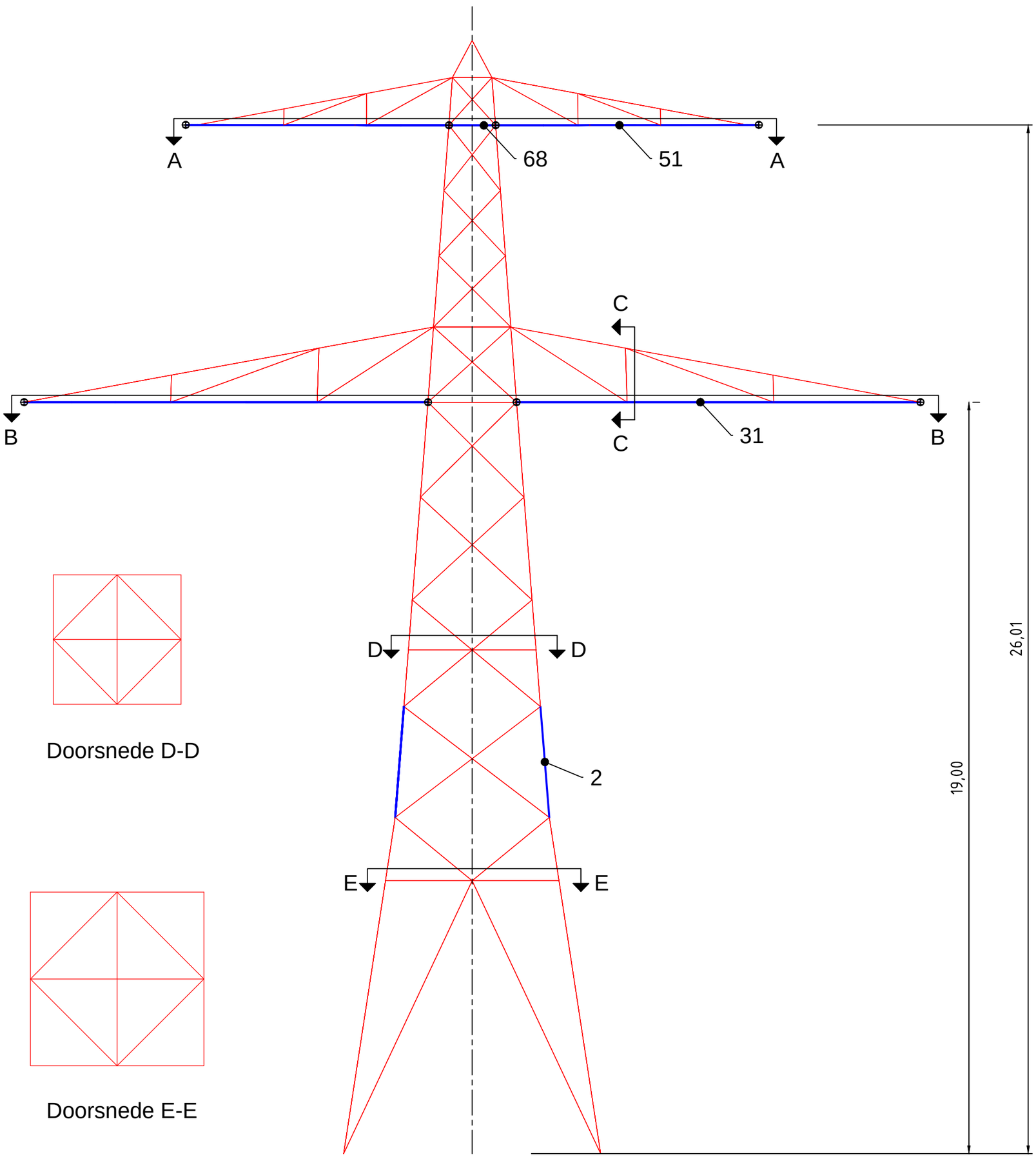
Doorsnede A-A (boven traverse)



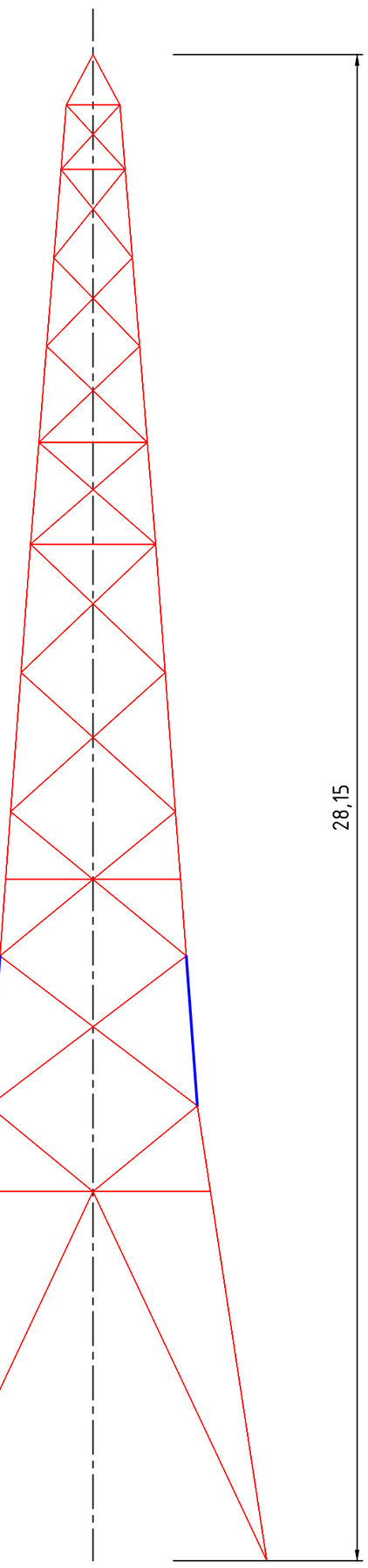
Doorsnede B-B (onder traverse)



Doorsnede C-C



Vooraanzicht



Zijaanzicht

Doorsnede D-D

Doorsnede E-E

h4dr19.#32

Initieel							Aanpassingen				
Nr.	Groep	Profiel soort	Afmeting profiel	Staal kwaliteit	Bout type	Aantal bouten	Nieuwe profile soort	Afmeting nieuw profiel	Staal kwalitiet nieuw profiel	Nieuwe bout type	Aantal bouten (nieuw)
2	mr2	GHo	200x200x16	St52	M24-5.6c	10				M24-8.8r	
31	t2or1	UNP	220	St52	M24-5.6c	4				M24-8.8r	
45	t1od3	GHo	60x60x6	St37	M16-5.6c	1				M16-8.8r	
46	t1od2	GHo	60x60x6	St37	M16-5.6c	1				M16-8.8r	
51	t1or1	UNP	120	St52	M16-5.6c	4				M16-8.8r	
68	mvh2	UNP	120	St52	M16-5.6c	5				M16-8.8r	

T.B.V. Vergunnings aanvraag

2.0	19-02-2015	Diverse aanpassing
1.0	21-10-2014	Eerste versie

DNV·GL

Projectname: Engineering verbinding NW380

Third angle projection:

Drawing no.: 74101611-035-181V

Design state:	CONCEPT		Scale:	1:100	
Drawn by:	RBE	21-10-2014	Units:	mm	
Checked by:	RL	21-10-2014	Project no:	000.144	
Approved by:	AW	21-10-2014	Company:	TenneT	

Description: Mastaanpassing voor H4DR19 Lijndeel VVL-WSM 110kV Mastnr. 32

Revision: 2.0

Format: A2

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Belastingen voor :	**Belastingen mast 32 en Opstijgpunt mast 32** **110kV Vierverlaten - Grijspkerk/Winsum Ranum**
Documentnummer :	**74101611-035-179-A1**

LEESWIJZER BELASTINGSCOMBINATIES

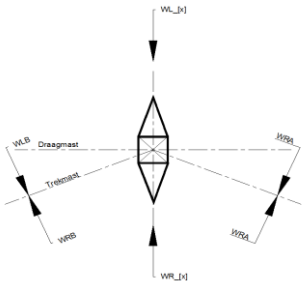
De belastingen gevallen in de tabellen zijn een afgeleide van de tabellen gegeven in de NORM EN50341-3 / Tabel 4.2.11/NL1, NL2,NL3 en NL4. Daar waar relevant zijn deze belasting gevallen opgenomen in de berekening.

Bijvoorbeeld:
NL1 Lc 1a EWL WRB, staat voor:
NL1 = Tabel 4.2.11/NL1,
Lc 1a = load case 1a (Extreme Wind Load)
EWL = Extreme Wind Load
WBR = Wind in de Back span van Rechts (zie legenda voor overige aanblaashoeken)

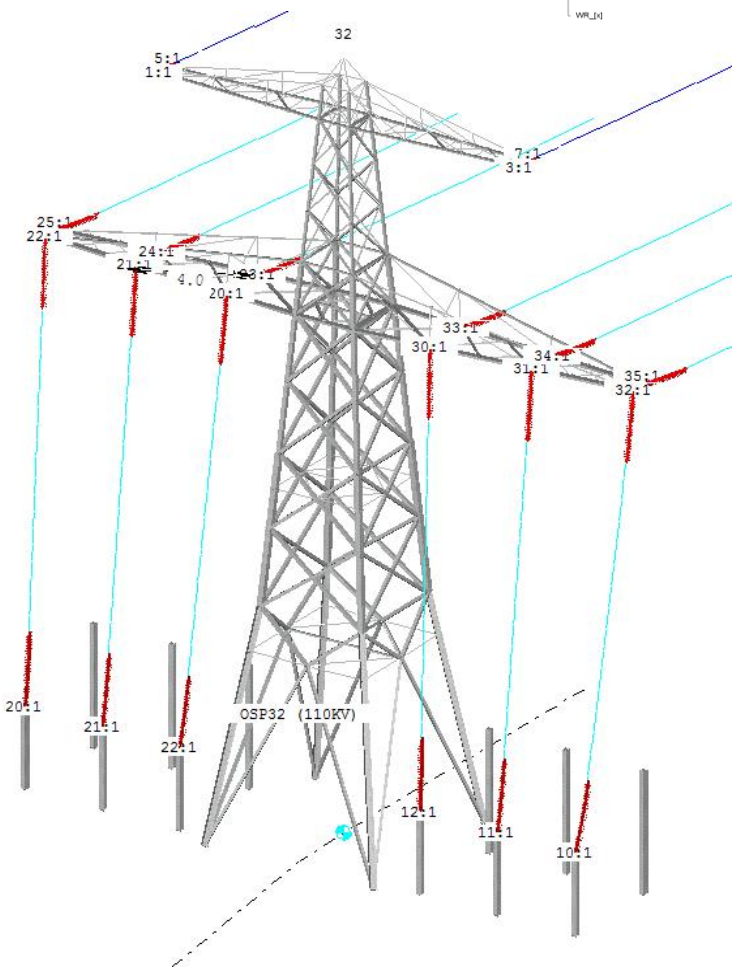
De toevoeging Br:
Br = Breuk, is bedoeld voor de simulatie van geleiderbreuk met verder een verwijzing naar de afspansets. BijvoorbeeldNL3 Br. Lc 1a EWL WRB 1 20 22 50, breuk op de afspansets 1, 20, 22 en 50.

De toevoeging Ydl 0.9:
Ydl 0.9 = Gamma Deadload, is bedoeld voor de gunstige werking van eigengewicht van de constructie op de fundatie en als dusdanig ook (enkel) van belang voor de fundatie.

Legenda wind invalshoek:	
WL_[x] =	Wind van Links onder een hoek van [x]
WR_[x] =	Wind van Rechts onder een hoek van [x]
WLB =	Wind van Links loodrecht op de geleider in de Back span
WLA =	Wind van Links loodrecht op de geleider in de Ahead span
WRB =	Wind van Rechts loodrecht op de geleider in de Back span
WRA =	Wind van Rechts loodrecht op de geleider in de Ahead span
GW =	Geen Wind



Set en labels



Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
OSP32 (110kV)	osp 32 nw380.pol	NL1 10°C GW	10	-850	338	105	-850	338	105
			11	-1369	354	-4	-1369	354	-4
			12	-1668	320	-152	-1668	320	-152
			20	-1014	336	-113	-1014	336	-113
			21	-1540	354	4	-1540	354	4
			22	-1757	317	158	-1757	317	158
		NL1 Lc 1a EWL WL_0	10	-3056	755	321	-3056	755	321
			11	-4891	873	92	-4891	873	92
			12	-5109	742	-236	-5109	742	-236
			20	-2914	680	-123	-2914	680	-123
			21	-5595	904	113	-5595	904	113
			22	-6790	879	526	-6790	879	526
		NL1 Lc 1a EWL WLA	10	-2203	595	92	-2203	595	92
			11	-4812	830	-109	-4812	830	-109
			12	-6377	837	-501	-6377	837	-501
			20	-3730	758	-354	-3730	758	-354
			21	-5441	852	-91	-5441	852	-91
			22	-5263	695	247	-5263	695	247
		NL1 Lc 1a EWL WLB	10	-2005	501	85	-2005	501	85
			11	-4587	736	-108	-4587	736	-108
			12	-6198	753	-491	-6198	753	-491
			20	-3554	669	-345	-3554	669	-345
			21	-5213	761	-90	-5213	761	-90
			22	-5026	607	237	-5026	607	237
		NL1 Lc 1a EWL WR_0	10	-2108	549	89	-2108	549	89
			11	-4701	783	-109	-4701	783	-109
			12	-6290	795	-497	-6290	795	-497
			20	-3638	713	-350	-3638	713	-350
			21	-5329	807	-91	-5329	807	-91
			22	-5143	651	241	-5143	651	241
		NL1 Lc 1a EWL WRA	10	-2984	712	317	-2984	712	317
			11	-4782	827	92	-4782	827	92
			12	-4988	696	-230	-4988	696	-230
			20	-2811	634	-118	-2811	634	-118
			21	-5487	859	113	-5487	859	113
			22	-6709	838	522	-6709	838	522
		NL1 Lc 1a EWL WRB	10	-3126	798	323	-3126	798	323
			11	-4996	919	91	-4996	919	91
			12	-5230	786	-242	-5230	786	-242
			20	-3021	727	-128	-3021	727	-128
			21	-5700	949	112	-5700	949	112
			22	-6866	919	529	-6866	919	529
		NL1 Lc 1a EWL 0.9 WL_0	10	-3494	750	320	-3494	750	320
			11	-5343	871	92	-5343	871	92
			12	-5589	742	-236	-5589	742	-236
			20	-3383	680	-122	-3383	680	-122
			21	-6048	902	113	-6048	902	113
			22	-7224	875	524	-7224	875	524
		NL1 Lc 1a EWL 0.9 WLA	10	-2666	593	91	-2666	593	91
			11	-5266	827	-110	-5266	827	-110
			12	-6814	833	-500	-6814	833	-500
			20	-4169	753	-353	-4169	753	-353
			21	-5898	850	-91	-5898	850	-91
			22	-5749	697	247	-5749	697	247
		NL1 Lc 1a EWL 0.9 WLB	10	-2475	501	84	-2475	501	84
			11	-5048	735	-108	-5048	735	-108
			12	-6641	750	-490	-6641	750	-490
			20	-3998	665	-344	-3998	665	-344
			21	-5678	759	-90	-5678	759	-90
			22	-5522	609	237	-5522	609	237
		NL1 Lc 1a EWL 0.9 WR_0	10	-2574	547	88	-2574	547	88
			11	-5158	781	-109	-5158	781	-109
			12	-6729	792	-495	-6729	792	-495
			20	-4083	709	-349	-4083	709	-349
			21	-5790	805	-91	-5790	805	-91
			22	-5634	653	242	-5634	653	242
		NL1 Lc 1a EWL 0.9 WRA	10	-3424	707	316	-3424	707	316
			11	-5237	825	93	-5237	825	93
			12	-5473	697	-230	-5473	697	-230
			20	-3278	633	-117	-3278	633	-117
			21	-5942	857	113	-5942	857	113
			22	-7146	835	520	-7146	835	520
		NL1 Lc 1a EWL 0.9 WRB	10	-3562	792	322	-3562	792	322
			11	-5444	916	92	-5444	916	92
			12	-5705	786	-242	-5705	786	-242

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 1a EWL 0.9 WRB	20	-3481	725	-127	-3481	725	-127
			21	-6148	946	113	-6148	946	113
			22	-7298	915	527	-7298	915	527
		NL1 Lc 1b Cold WL_0	10	-3433	808	259	-3433	808	259
			11	-9946	1502	9	-9946	1502	9
			12	-13885	1632	-736	-13885	1632	-736
			20	-3827	802	-242	-3827	802	-242
			21	-13128	1783	48	-13128	1783	48
			22	-16205	1797	909	-16205	1797	909
		NL1 Lc 1b Cold WLA	10	-2386	620	179	-2386	620	179
			11	-9855	1459	-39	-9855	1459	-39
			12	-14835	1697	-834	-14835	1697	-834
			20	-4906	919	-331	-4906	919	-331
			21	-12996	1737	-4	-12996	1737	-4
			22	-15236	1671	810	-15236	1671	810
		NL1 Lc 1b Cold WLB	10	-2135	523	169	-2135	523	169
			11	-9597	1366	-39	-9597	1366	-39
			12	-14695	1623	-827	-14695	1623	-827
			20	-4680	828	-319	-4680	828	-319
			21	-12802	1653	-4	-12802	1653	-4
			22	-15096	1597	803	-15096	1597	803
		NL1 Lc 1b Cold WR_0	10	-2261	572	174	-2261	572	174
			11	-9728	1413	-39	-9728	1413	-39
			12	-14766	1660	-830	-14766	1660	-830
			20	-4795	873	-325	-4795	873	-325
			21	-12900	1695	-4	-12900	1695	-4
			22	-15165	1634	806	-15165	1634	806
		NL1 Lc 1b Cold WRA	10	-3344	765	255	-3344	765	255
			11	-9822	1456	9	-9822	1456	9
			12	-13800	1593	-732	-13800	1593	-732
			20	-3679	751	-236	-3679	751	-236
			21	-13035	1742	48	-13035	1742	48
			22	-16149	1761	907	-16149	1761	907
		NL1 Lc 1b Cold WRB	10	-3519	850	263	-3519	850	263
			11	-10066	1547	9	-10066	1547	9
			12	-13971	1671	-740	-13971	1671	-740
			20	-3971	851	-249	-3971	851	-249
			21	-13218	1824	48	-13218	1824	48
			22	-16259	1833	912	-16259	1833	912
		NL1 Lc 1b Cold 0.9 WL_0	10	-3862	801	257	-3862	801	257
			11	-10394	1498	10	-10394	1498	10
			12	-14361	1632	-736	-14361	1632	-736
			20	-4280	799	-241	-4280	799	-241
			21	-13583	1781	48	-13583	1781	48
			22	-16654	1795	908	-16654	1795	908
		NL1 Lc 1b Cold 0.9 WLA	10	-2839	617	178	-2839	617	178
			11	-10305	1456	-40	-10305	1456	-40
			12	-15282	1695	-832	-15282	1695	-832
			20	-5333	912	-329	-5333	912	-329
			21	-13455	1735	-4	-13455	1735	-4
			22	-15715	1671	810	-15715	1671	810
		NL1 Lc 1b Cold 0.9 WLB	10	-2594	521	168	-2594	521	168
			11	-10054	1364	-39	-10054	1364	-39
			12	-15147	1620	-825	-15147	1620	-825
			20	-5115	823	-318	-5115	823	-318
			21	-13267	1652	-4	-13267	1652	-4
			22	-15580	1597	803	-15580	1597	803
		NL1 Lc 1b Cold 0.9 WR_0	10	-2717	569	173	-2717	569	173
			11	-10182	1410	-39	-10182	1410	-39
			12	-15216	1657	-829	-15216	1657	-829
			20	-5225	867	-323	-5225	867	-323
			21	-13362	1693	-4	-13362	1693	-4
			22	-15647	1634	806	-15647	1634	806
		NL1 Lc 1b Cold 0.9 WRA	10	-3775	758	253	-3775	758	253
			11	-10273	1453	10	-10273	1453	10
			12	-14278	1594	-732	-14278	1594	-732
			20	-4136	749	-235	-4136	749	-235
			21	-13492	1740	48	-13492	1740	48
			22	-16599	1759	906	-16599	1759	906
		NL1 Lc 1b Cold 0.9 WRB	10	-3945	843	261	-3945	843	261
			11	-10510	1543	9	-10510	1543	9
			12	-14444	1671	-740	-14444	1671	-740
			20	-4421	848	-247	-4421	848	-247
			21	-13671	1822	48	-13671	1822	48
			22	-16706	1830	911	-16706	1830	911

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 3 Wind + ice WL_0	10	-3525	847	334	-3525	847	334
			11	-6667	1115	76	-6667	1115	76
			12	-7668	1018	-380	-7668	1018	-380
			20	-3408	768	-168	-3408	768	-168
			21	-8084	1215	104	-8084	1215	104
			22	-10113	1220	684	-10113	1220	684
		NL1 Lc 3 Wind + ice WLA	10	-2416	649	125	-2416	649	125
			11	-6559	1068	-98	-6559	1068	-98
			12	-9331	1155	-639	-9331	1155	-639
			20	-4504	886	-383	-4504	886	-383
			21	-7879	1158	-74	-7879	1158	-74
			22	-8170	996	410	-8170	996	410
		NL1 Lc 3 Wind + ice WLB	10	-2150	547	115	-2150	547	115
			11	-6247	966	-97	-6247	966	-97
			12	-9102	1068	-627	-9102	1068	-627
			20	-4276	792	-371	-4276	792	-371
			21	-7570	1058	-73	-7570	1058	-73
			22	-7852	902	395	-7852	902	395
		NL1 Lc 3 Wind + ice WR_0	10	-2284	598	120	-2284	598	120
			11	-6406	1018	-98	-6406	1018	-98
			12	-9220	1112	-634	-9220	1112	-634
			20	-4393	839	-378	-4393	839	-378
			21	-7727	1108	-74	-7727	1108	-74
			22	-8011	949	402	-8011	949	402
		NL1 Lc 3 Wind + ice WRA	10	-3430	802	330	-3430	802	330
			11	-6519	1065	76	-6519	1065	76
			12	-7506	970	-373	-7506	970	-373
			20	-3259	716	-162	-3259	716	-162
			21	-7939	1166	104	-7939	1166	104
			22	-10013	1178	679	-10013	1178	679
		NL1 Lc 3 Wind + ice WRB	10	-3616	892	338	-3616	892	338
			11	-6811	1164	76	-6811	1164	76
			12	-7831	1067	-389	-7831	1067	-389
			20	-3554	819	-175	-3554	819	-175
			21	-8222	1262	104	-8222	1262	104
			22	-10207	1261	688	-10207	1261	688
		NL1 Lc 3 Wind + ice 0.9 WL_0	10	-3955	841	333	-3955	841	333
			11	-7110	1111	77	-7110	1111	77
			12	-8142	1018	-380	-8142	1018	-380
			20	-3862	765	-167	-3862	765	-167
			21	-8529	1211	104	-8529	1211	104
			22	-10544	1215	682	-10544	1215	682
		NL1 Lc 3 Wind + ice 0.9 WLA	10	-2869	646	124	-2869	646	124
			11	-7005	1065	-99	-7005	1065	-99
			12	-9763	1150	-638	-9763	1150	-638
			20	-4934	880	-382	-4934	880	-382
			21	-8329	1155	-75	-8329	1155	-75
			22	-8651	997	409	-8651	997	409
		NL1 Lc 3 Wind + ice 0.9 WLB	10	-2609	545	114	-2609	545	114
			11	-6700	963	-97	-6700	963	-97
			12	-9540	1064	-626	-9540	1064	-626
			20	-4710	787	-370	-4710	787	-370
			21	-8028	1056	-74	-8028	1056	-74
			22	-8343	903	396	-8343	903	396
		NL1 Lc 3 Wind + ice 0.9 WR_0	10	-2740	595	119	-2740	595	119
			11	-6855	1014	-98	-6855	1014	-98
			12	-9654	1107	-632	-9654	1107	-632
			20	-4825	833	-376	-4825	833	-376
			21	-8180	1105	-74	-8180	1105	-74
			22	-8497	950	402	-8497	950	402
		NL1 Lc 3 Wind + ice 0.9 WRA	10	-3862	795	328	-3862	795	328
			11	-6966	1061	77	-6966	1061	77
			12	-7984	970	-373	-7984	970	-373
			20	-3717	714	-160	-3717	714	-160
			21	-8388	1163	104	-8388	1163	104
			22	-10446	1174	677	-10446	1174	677
		NL1 Lc 3 Wind + ice 0.9 WRB	10	-4043	885	336	-4043	885	336
			11	-7251	1160	76	-7251	1160	76
			12	-8300	1066	-388	-8300	1066	-388
			20	-4004	816	-173	-4004	816	-173
			21	-8663	1258	104	-8663	1258	104
			22	-10636	1256	686	-10636	1256	686
		NL1 Lc 4 Con & Main WL_0	10	-2090	603	191	-2090	603	191
			11	-3401	680	9	-3401	680	9

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 4 Con & Main WL_0	12	-3395	559	-238	-3395	559	-238
			20	-1810	520	-157	-1810	520	-157
			21	-3975	707	25	-3975	707	25
			22	-5079	705	357	-5079	705	357
		NL1 Lc 4 Con & Main WLA	10	-1314	459	137	-1314	459	137
			11	-3320	642	-22	-3320	642	-22
			12	-4715	667	-335	-4715	667	-335
			20	-2580	599	-216	-2580	599	-216
			21	-3817	661	-8	-3817	661	-8
			22	-3477	519	244	-3477	519	244
		NL1 Lc 4 Con & Main WLB	10	-1123	377	128	-1123	377	128
			11	-3093	559	-21	-3093	559	-21
			12	-4531	594	-326	-4531	594	-326
			20	-2418	524	-208	-2418	524	-208
			21	-3579	579	-8	-3579	579	-8
			22	-3211	439	232	-3211	439	232
		NL1 Lc 4 Con & Main WR_0	10	-1214	417	133	-1214	417	133
			11	-3209	601	-22	-3209	601	-22
			12	-4626	631	-331	-4626	631	-331
			20	-2500	561	-212	-2500	561	-212
			21	-3700	620	-8	-3700	620	-8
			22	-3343	479	238	-3343	479	238
		NL1 Lc 4 Con & Main WRA	10	-2023	567	187	-2023	567	187
			11	-3292	639	9	-3292	639	9
			12	-3266	519	-232	-3266	519	-232
			20	-1706	479	-153	-1706	479	-153
			21	-3865	667	25	-3865	667	25
			22	-5005	670	353	-5005	670	353
		NL1 Lc 4 Con & Main WRB	10	-2154	639	194	-2154	639	194
			11	-3506	719	9	-3506	719	9
			12	-3525	599	-244	-3525	599	-244
			20	-1915	560	-161	-1915	560	-161
			21	-4083	747	26	-4083	747	26
			22	-5158	739	361	-5158	739	361
		NL1 Lc 4 Con & Main 0.9 WL_0	10	-2523	598	189	-2523	598	189
			11	-3843	676	9	-3843	676	9
			12	-3862	558	-237	-3862	558	-237
			20	-2266	518	-156	-2266	518	-156
			21	-4418	704	26	-4418	704	26
			22	-5509	700	355	-5509	700	355
		NL1 Lc 4 Con & Main 0.9 WLA	10	-1755	454	135	-1755	454	135
			11	-3765	638	-22	-3765	638	-22
			12	-5147	662	-334	-5147	662	-334
			20	-3013	593	-214	-3013	593	-214
			21	-4264	658	-8	-4264	658	-8
			22	-3950	519	244	-3950	519	244
		NL1 Lc 4 Con & Main 0.9 WLB	10	-1576	374	127	-1576	374	127
			11	-3544	557	-21	-3544	557	-21
			12	-4968	590	-324	-4968	590	-324
			20	-2855	518	-206	-2855	518	-206
			21	-4032	576	-8	-4032	576	-8
			22	-3690	440	232	-3690	440	232
		NL1 Lc 4 Con & Main 0.9 WR_0	10	-1667	414	130	-1667	414	130
			11	-3656	597	-22	-3656	597	-22
			12	-5060	626	-329	-5060	626	-329
			20	-2935	556	-210	-2935	556	-210
			21	-4150	617	-8	-4150	617	-8
			22	-3821	479	238	-3821	479	238
		NL1 Lc 4 Con & Main 0.9 WRA	10	-2457	561	186	-2457	561	186
			11	-3737	635	9	-3737	635	9
			12	-3736	519	-231	-3736	519	-231
			20	-2165	477	-152	-2165	477	-152
			21	-4311	664	25	-4311	664	25
			22	-5437	666	352	-5437	666	352
		NL1 Lc 4 Con & Main 0.9 WRB	10	-2586	633	192	-2586	633	192
			11	-3946	715	9	-3946	715	9
			12	-3988	598	-243	-3988	598	-243
			20	-2359	557	-160	-2359	557	-160
			21	-4524	743	26	-4524	743	26
			22	-5587	735	359	-5587	735	359
		NL1 Lc 6 Permanent GW	10	-354	347	108	-354	347	108
			11	-885	363	-4	-885	363	-4
			12	-1192	328	-156	-1192	328	-156
			20	-523	344	-116	-523	344	-116
			21	-1122	369	5	-1122	369	5

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 6 Permanent GW	22	-1283	325	162	-1283	325	162
		NL1 Lc 6 Permanent 0.9 GW	10	-991	336	104	-991	336	104
			11	-1504	352	-4	-1504	352	-4
			12	-1804	318	-151	-1804	318	-151
			20	-1154	334	-113	-1154	334	-113
			21	-1674	351	4	-1674	351	4
			22	-1899	315	158	-1899	315	158
		NL3 Br. Br. Lc 1a EWL WLA Ba	10	-1634	508	117	-1634	508	117
			11	-3891	714	-57	-3891	714	-57
			12	-5369	734	-401	-5369	734	-401
			20	-3017	660	-270	-3017	660	-270
			21	-4442	735	-41	-4442	735	-41
			22	-4164	587	244	-4164	587	244
		NL3 Br. Br. Lc 1a EWL WLB Ba	10	-1439	421	110	-1439	421	110
			11	-3663	627	-55	-3663	627	-55
			12	-5187	657	-391	-5187	657	-391
			20	-2850	579	-261	-2850	579	-261
			21	-4204	648	-41	-4204	648	-41
			22	-3905	503	232	-3905	503	232
		NL3 Br. Br. Lc 1a EWL WRA Ba	10	-2386	622	238	-2386	622	238
			11	-3863	711	42	-3863	711	42
			12	-3927	587	-230	-3927	587	-230
			20	-2113	536	-137	-2113	536	-137
			21	-4491	742	60	-4491	742	60
			22	-5678	737	420	-5678	737	420
		NL3 Br. Br. Lc 1a EWL WRB Ba	10	-2524	700	245	-2524	700	245
			11	-4079	796	42	-4079	796	42
			12	-4180	671	-242	-4180	671	-242
			20	-2325	623	-146	-2325	623	-146
			21	-4709	825	60	-4709	825	60
			22	-5839	811	428	-5839	811	428
		NL3 Br. Lc 1a EWL 0.9 WLA 5 23 25	10	-2089	505	116	-2089	505	116
			11	-4340	710	-57	-4340	710	-57
			12	-5803	730	-399	-5803	730	-399
			20	-3452	654	-269	-3452	654	-269
			21	-4894	732	-42	-4894	732	-42
			22	-4644	587	244	-4644	587	244
		NL3 Br. Lc 1a EWL 0.9 WLA 7 33 35	10	-2089	505	116	-2089	505	116
			11	-4340	710	-57	-4340	710	-57
			12	-5803	730	-399	-5803	730	-399
			20	-3452	654	-269	-3452	654	-269
			21	-4894	732	-42	-4894	732	-42
			22	-4644	587	244	-4644	587	244
		NL3 Br. Lc 1a EWL 0.9 WLB 5 23 25	10	-1899	419	108	-1899	419	108
			11	-4119	625	-56	-4119	625	-56
			12	-5626	653	-390	-5626	653	-390
			20	-3289	574	-260	-3289	574	-260
			21	-4663	646	-41	-4663	646	-41
			22	-4395	505	232	-4395	505	232
		NL3 Br. Lc 1a EWL 0.9 WLB 7 33 35	10	-1899	419	108	-1899	419	108
			11	-4119	625	-56	-4119	625	-56
			12	-5626	653	-390	-5626	653	-390
			20	-3289	574	-260	-3289	574	-260
			21	-4663	646	-41	-4663	646	-41
			22	-4395	505	232	-4395	505	232
		NL3 Br. Lc 1a EWL 0.9 WRA 5 23 25	10	-2823	616	237	-2823	616	237
			11	-4312	708	42	-4312	708	42
			12	-4404	588	-230	-4404	588	-230
			20	-2573	534	-136	-2573	534	-136
			21	-4942	739	60	-4942	739	60
			22	-6112	733	419	-6112	733	419
		NL3 Br. Lc 1a EWL 0.9 WRA 7 33 35	10	-2823	616	237	-2823	616	237
			11	-4312	708	42	-4312	708	42
			12	-4404	588	-230	-4404	588	-230
			20	-2573	534	-136	-2573	534	-136
			21	-4942	739	60	-4942	739	60
			22	-6112	733	419	-6112	733	419
		NL3 Br. Lc 1a EWL 0.9 WRB 5 23 25	10	-2957	694	243	-2957	694	243
			11	-4522	793	42	-4522	793	42
			12	-4649	671	-241	-4649	671	-241
			20	-2779	620	-145	-2779	620	-145
			21	-5153	822	61	-5153	822	61
			22	-6268	807	426	-6268	807	426
		NL3 Br. Lc 1a EWL 0.9 WRB 7 33 35	10	-2957	694	243	-2957	694	243

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1a EWL 0.9 WRB 7 33 35	11	-4522	793	42	-4522	793	42
			12	-4649	671	-241	-4649	671	-241
			20	-2779	620	-145	-2779	620	-145
			21	-5153	822	61	-5153	822	61
			22	-6268	807	426	-6268	807	426
		NL3 Br. Lc 1b Cold 0.9 WLA 5 23 25	10	-2779	608	180	-2779	608	180
			11	-10218	1445	-35	-10218	1445	-35
			12	-15215	1688	-824	-15215	1688	-824
			20	-5252	901	-320	-5252	901	-320
			21	-13385	1726	1	-13385	1726	1
			22	-15663	1666	812	-15663	1666	812
		NL3 Br. Lc 1b Cold 0.9 WLA 7 33 35	10	-2779	608	180	-2779	608	180
			11	-10218	1445	-35	-10218	1445	-35
			12	-15215	1688	-824	-15215	1688	-824
			20	-5252	901	-320	-5252	901	-320
			21	-13385	1726	1	-13385	1726	1
			22	-15663	1666	812	-15663	1666	812
		NL3 Br. Lc 1b Cold 0.9 WLB 5 23 25	10	-2535	513	170	-2535	513	170
			11	-9967	1354	-34	-9967	1354	-34
			12	-15081	1614	-818	-15081	1614	-818
			20	-5035	812	-309	-5035	812	-309
			21	-13198	1645	1	-13198	1645	1
			22	-15530	1593	806	-15530	1593	806
		NL3 Br. Lc 1b Cold 0.9 WLB 7 33 35	10	-2535	513	170	-2535	513	170
			11	-9967	1354	-34	-9967	1354	-34
			12	-15081	1614	-818	-15081	1614	-818
			20	-5035	812	-309	-5035	812	-309
			21	-13198	1645	1	-13198	1645	1
			22	-15530	1593	806	-15530	1593	806
		NL3 Br. Lc 1b Cold 0.9 WRA 5 23 25	10	-3711	749	245	-3711	749	245
			11	-10185	1442	5	-10185	1442	5
			12	-14220	1588	-733	-14220	1588	-733
			20	-4057	738	-236	-4057	738	-236
			21	-13422	1732	43	-13422	1732	43
			22	-16539	1753	898	-16539	1753	898
		NL3 Br. Lc 1b Cold 0.9 WRA 7 33 35	10	-3711	749	245	-3711	749	245
			11	-10185	1442	5	-10185	1442	5
			12	-14220	1588	-733	-14220	1588	-733
			20	-4057	738	-236	-4057	738	-236
			21	-13422	1732	43	-13422	1732	43
			22	-16539	1753	898	-16539	1753	898
		NL3 Br. Lc 1b Cold 0.9 WRB 5 23 25	10	-3880	833	253	-3880	833	253
			11	-10423	1531	5	-10423	1531	5
			12	-14384	1664	-742	-14384	1664	-742
			20	-4342	836	-248	-4342	836	-248
			21	-13600	1813	43	-13600	1813	43
			22	-16646	1823	903	-16646	1823	903
		NL3 Br. Lc 1b Cold 0.9 WRB 7 33 35	10	-3880	833	253	-3880	833	253
			11	-10423	1531	5	-10423	1531	5
			12	-14384	1664	-742	-14384	1664	-742
			20	-4342	836	-248	-4342	836	-248
			21	-13600	1813	43	-13600	1813	43
			22	-16646	1823	903	-16646	1823	903
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 5 23	10	-2303	552	143	-2303	552	143
			11	-5990	931	-48	-5990	931	-48
			12	-8685	1035	-534	-8685	1035	-534
			20	-4116	760	-293	-4116	760	-293
			21	-7278	1025	-27	-7278	1025	-27
			22	-7636	892	406	-7636	892	406
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 7 33	10	-2303	552	143	-2303	552	143
			11	-5990	931	-48	-5990	931	-48
			12	-8685	1035	-534	-8685	1035	-534
			20	-4116	760	-293	-4116	760	-293
			21	-7278	1025	-27	-7278	1025	-27
			22	-7636	892	406	-7636	892	406
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 5 23	10	-2070	461	134	-2070	461	134
			11	-5696	837	-47	-5696	837	-47
			12	-8470	956	-523	-8470	956	-523
			20	-3914	676	-282	-3914	676	-282
			21	-6985	934	-27	-6985	934	-27
			22	-7331	805	392	-7331	805	392
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 7 33	10	-2070	461	134	-2070	461	134
			11	-5696	837	-47	-5696	837	-47
			12	-8470	956	-523	-8470	956	-523
			20	-3914	676	-282	-3914	676	-282

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 7 33	21	-6985	934	-27	-6985	934	-27
			22	-7331	805	392	-7331	805	392
		NL3 Br. Lc 3 Wind + ice 0.9 WRA 5 2	10	-3197	688	246	-3197	688	246
			11	-5953	927	29	-5953	927	29
			12	-6954	859	-369	-6954	859	-369
			20	-3003	607	-173	-3003	607	-173
			21	-7335	1033	53	-7335	1033	53
			22	-9380	1064	573	-9380	1064	573
		NL3 Br. Lc 3 Wind + ice 0.9 WRA 7 33	10	-3197	688	246	-3197	688	246
			11	-5953	927	29	-5953	927	29
			12	-6954	859	-369	-6954	859	-369
			20	-3003	607	-173	-3003	607	-173
			21	-7335	1033	53	-7335	1033	53
			22	-9380	1064	573	-9380	1064	573
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 5 2	10	-3359	768	254	-3359	768	254
			11	-6228	1018	29	-6228	1018	29
			12	-7267	948	-384	-7267	948	-384
			20	-3268	700	-185	-3268	700	-185
			21	-7604	1121	53	-7604	1121	53
			22	-9563	1139	582	-9563	1139	582
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 7 33	10	-3359	768	254	-3359	768	254
			11	-6228	1018	29	-6228	1018	29
			12	-7267	948	-384	-7267	948	-384
			20	-3268	700	-185	-3268	700	-185
			21	-7604	1121	53	-7604	1121	53
			22	-9563	1139	582	-9563	1139	582
		NL3 Br. Lc 4 Con & Main 0.9 WLA 5 2	10	-1720	448	136	-1720	448	136
			11	-3697	629	-18	-3697	629	-18
			12	-5068	654	-326	-5068	654	-326
			20	-2960	586	-208	-2960	586	-208
			21	-4188	649	-4	-4188	649	-4
			22	-3867	511	244	-3867	511	244
		NL3 Br. Lc 4 Con & Main 0.9 WLA 7 3	10	-1720	448	136	-1720	448	136
			11	-3697	629	-18	-3697	629	-18
			12	-5068	654	-326	-5068	654	-326
			20	-2960	586	-208	-2960	586	-208
			21	-4188	649	-4	-4188	649	-4
			22	-3867	511	244	-3867	511	244
		NL3 Br. Lc 4 Con & Main 0.9 WLB 5 2	10	-1541	369	129	-1541	369	129
			11	-3476	549	-17	-3476	549	-17
			12	-4888	583	-316	-4888	583	-316
			20	-2802	512	-199	-2802	512	-199
			21	-3957	568	-4	-3957	568	-4
			22	-3609	432	232	-3609	432	232
		NL3 Br. Lc 4 Con & Main 0.9 WLB 7 3	10	-1541	369	129	-1541	369	129
			11	-3476	549	-17	-3476	549	-17
			12	-4888	583	-316	-4888	583	-316
			20	-2802	512	-199	-2802	512	-199
			21	-3957	568	-4	-3957	568	-4
			22	-3609	432	232	-3609	432	232
		NL3 Br. Lc 4 Con & Main 0.9 WRA 5 2	10	-2418	555	180	-2418	555	180
			11	-3668	627	5	-3668	627	5
			12	-3656	510	-232	-3656	510	-232
			20	-2119	471	-154	-2119	471	-154
			21	-4235	655	21	-4235	655	21
			22	-5356	658	343	-5356	658	343
		NL3 Br. Lc 4 Con & Main 0.9 WRA 7 2	10	-2418	555	180	-2418	555	180
			11	-3668	627	5	-3668	627	5
			12	-3656	510	-232	-3656	510	-232
			20	-2119	471	-154	-2119	471	-154
			21	-4235	655	21	-4235	655	21
			22	-5356	658	343	-5356	658	343
		NL3 Br. Lc 4 Con & Main 0.9 WRB 5 2	10	-2541	626	186	-2541	626	186
			11	-3877	706	5	-3877	706	5
			12	-3909	589	-243	-3909	589	-243
			20	-2317	551	-162	-2317	551	-162
			21	-4448	733	21	-4448	733	21
			22	-5505	726	351	-5505	726	351
		NL3 Br. Lc 4 Con & Main 0.9 WRB 7 3	10	-2541	626	186	-2541	626	186
			11	-3877	706	5	-3877	706	5
			12	-3909	589	-243	-3909	589	-243
			20	-2317	551	-162	-2317	551	-162
			21	-4448	733	21	-4448	733	21
			22	-5505	726	351	-5505	726	351

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1a EWL WLA 1 20 22 50	10	-1634	508	117	-1634	508	117
			11	-3891	714	-57	-3891	714	-57
			12	-5369	734	-401	-5369	734	-401
			20	-3017	660	-270	-3017	660	-270
			21	-4442	735	-41	-4442	735	-41
			22	-4164	587	244	-4164	587	244
		NL3 Br. Lc 1a EWL WLA 3 30 32 52	10	-1634	508	117	-1634	508	117
			11	-3891	714	-57	-3891	714	-57
			12	-5369	734	-401	-5369	734	-401
			20	-3017	660	-270	-3017	660	-270
			21	-4442	735	-41	-4442	735	-41
			22	-4164	587	244	-4164	587	244
		NL3 Br. Lc 1a EWL WLB 1 20 22 50	10	-1439	421	110	-1439	421	110
			11	-3663	627	-55	-3663	627	-55
			12	-5187	657	-391	-5187	657	-391
			20	-2850	579	-261	-2850	579	-261
			21	-4204	648	-41	-4204	648	-41
			22	-3905	503	232	-3905	503	232
		NL3 Br. Lc 1a EWL WLB 3 30 32 52	10	-1439	421	110	-1439	421	110
			11	-3663	627	-55	-3663	627	-55
			12	-5187	657	-391	-5187	657	-391
			20	-2850	579	-261	-2850	579	-261
			21	-4204	648	-41	-4204	648	-41
			22	-3905	503	232	-3905	503	232
		NL3 Br. Lc 1a EWL WRA 1 20 22 50	10	-2386	622	238	-2386	622	238
			11	-3863	711	42	-3863	711	42
			12	-3927	587	-230	-3927	587	-230
			20	-2113	536	-137	-2113	536	-137
			21	-4491	742	60	-4491	742	60
			22	-5678	737	420	-5678	737	420
		NL3 Br. Lc 1a EWL WRA 3 30 32 52	10	-2386	622	238	-2386	622	238
			11	-3863	711	42	-3863	711	42
			12	-3927	587	-230	-3927	587	-230
			20	-2113	536	-137	-2113	536	-137
			21	-4491	742	60	-4491	742	60
			22	-5678	737	420	-5678	737	420
		NL3 Br. Lc 1a EWL WRB 1 20 22 50	10	-2524	700	245	-2524	700	245
			11	-4079	796	42	-4079	796	42
			12	-4180	671	-242	-4180	671	-242
			20	-2325	623	-146	-2325	623	-146
			21	-4709	825	60	-4709	825	60
			22	-5839	811	428	-5839	811	428
		NL3 Br. Lc 1a EWL WRB 3 30 32 52	10	-2524	700	245	-2524	700	245
			11	-4079	796	42	-4079	796	42
			12	-4180	671	-242	-4180	671	-242
			20	-2325	623	-146	-2325	623	-146
			21	-4709	825	60	-4709	825	60
			22	-5839	811	428	-5839	811	428
		NL3 Br. Lc 1b Cold WLA 1 20 22 50	10	-2327	611	181	-2327	611	181
			11	-9768	1448	-35	-9768	1448	-35
			12	-14768	1691	-826	-14768	1691	-826
			20	-4825	907	-322	-4825	907	-322
			21	-12927	1728	1	-12927	1728	1
			22	-15184	1666	812	-15184	1666	812
		NL3 Br. Lc 1b Cold WLA 3 30 32 52	10	-2327	611	181	-2327	611	181
			11	-9768	1448	-35	-9768	1448	-35
			12	-14768	1691	-826	-14768	1691	-826
			20	-4825	907	-322	-4825	907	-322
			21	-12927	1728	1	-12927	1728	1
			22	-15184	1666	812	-15184	1666	812
		NL3 Br. Lc 1b Cold WLA Ba	10	-2327	611	181	-2327	611	181
			11	-9768	1448	-35	-9768	1448	-35
			12	-14768	1691	-826	-14768	1691	-826
			20	-4825	907	-322	-4825	907	-322
			21	-12927	1728	1	-12927	1728	1
			22	-15184	1666	812	-15184	1666	812
		NL3 Br. Lc 1b Cold WLB 1 20 22 50	10	-2077	515	171	-2077	515	171
			11	-9510	1356	-34	-9510	1356	-34
			12	-14630	1617	-819	-14630	1617	-819
			20	-4599	817	-311	-4599	817	-311
			21	-12734	1646	1	-12734	1646	1
			22	-15046	1592	805	-15046	1592	805
		NL3 Br. Lc 1b Cold WLB 3 30 32 52	10	-2077	515	171	-2077	515	171
			11	-9510	1356	-34	-9510	1356	-34
			12	-14630	1617	-819	-14630	1617	-819

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1b Cold WLB 3 30 32 52	20	-4599	817	-311	-4599	817	-311
			21	-12734	1646	1	-12734	1646	1
			22	-15046	1592	805	-15046	1592	805
		NL3 Br. Lc 1b Cold WLB Ba	10	-2077	515	171	-2077	515	171
			11	-9510	1356	-34	-9510	1356	-34
			12	-14630	1617	-819	-14630	1617	-819
			20	-4599	817	-311	-4599	817	-311
			21	-12734	1646	1	-12734	1646	1
			22	-15046	1592	805	-15046	1592	805
		NL3 Br. Lc 1b Cold WRA 1 20 22 50	10	-3281	755	247	-3281	755	247
			11	-9735	1445	5	-9735	1445	5
			12	-13742	1587	-734	-13742	1587	-734
			20	-3600	741	-237	-3600	741	-237
			21	-12965	1734	43	-12965	1734	43
			22	-16089	1755	899	-16089	1755	899
		NL3 Br. Lc 1b Cold WRA 3 30 32 52	10	-3281	755	247	-3281	755	247
			11	-9735	1445	5	-9735	1445	5
			12	-13742	1587	-734	-13742	1587	-734
			20	-3600	741	-237	-3600	741	-237
			21	-12965	1734	43	-12965	1734	43
			22	-16089	1755	899	-16089	1755	899
		NL3 Br. Lc 1b Cold WRA Ba	10	-3281	755	247	-3281	755	247
			11	-9735	1445	5	-9735	1445	5
			12	-13742	1587	-734	-13742	1587	-734
			20	-3600	741	-237	-3600	741	-237
			21	-12965	1734	43	-12965	1734	43
			22	-16089	1755	899	-16089	1755	899
		NL3 Br. Lc 1b Cold WRB 1 20 22 50	10	-3454	840	255	-3454	840	255
			11	-9979	1535	4	-9979	1535	4
			12	-13911	1665	-742	-13911	1665	-742
			20	-3893	840	-250	-3893	840	-250
			21	-13148	1815	43	-13148	1815	43
			22	-16198	1826	904	-16198	1826	904
		NL3 Br. Lc 1b Cold WRB 3 30 32 52	10	-3454	840	255	-3454	840	255
			11	-9979	1535	4	-9979	1535	4
			12	-13911	1665	-742	-13911	1665	-742
			20	-3893	840	-250	-3893	840	-250
			21	-13148	1815	43	-13148	1815	43
			22	-16198	1826	904	-16198	1826	904
		NL3 Br. Lc 1b Cold WRB Ba	10	-3454	840	255	-3454	840	255
			11	-9979	1535	4	-9979	1535	4
			12	-13911	1665	-742	-13911	1665	-742
			20	-3893	840	-250	-3893	840	-250
			21	-13148	1815	43	-13148	1815	43
			22	-16198	1826	904	-16198	1826	904
		NL3 Br. Lc 3 Wind + ice WLA 1 20 22	10	-1870	548	139	-1870	548	139
			11	-5560	927	-50	-5560	927	-50
			12	-8234	1030	-533	-8234	1030	-533
			20	-3652	752	-292	-3652	752	-292
			21	-6858	1023	-29	-6858	1023	-29
			22	-7275	896	406	-7275	896	406
		NL3 Br. Lc 3 Wind + ice WLA 3 30 32	10	-1870	548	139	-1870	548	139
			11	-5560	927	-50	-5560	927	-50
			12	-8234	1030	-533	-8234	1030	-533
			20	-3652	752	-292	-3652	752	-292
			21	-6858	1023	-29	-6858	1023	-29
			22	-7275	896	406	-7275	896	406
		NL3 Br. Lc 3 Wind + ice WLA Ba	10	-2073	589	135	-2073	589	135
			11	-5951	985	-69	-5951	985	-69
			12	-8674	1082	-576	-8674	1082	-576
			20	-3999	809	-329	-3999	809	-329
			21	-7254	1078	-46	-7254	1078	-46
			22	-7592	934	407	-7592	934	407
		NL3 Br. Lc 3 Wind + ice WLB 1 20 22	10	-1646	459	130	-1646	459	130
			11	-5279	835	-49	-5279	835	-49
			12	-8028	952	-523	-8028	952	-523
			20	-3458	669	-282	-3458	669	-282
			21	-6579	933	-29	-6579	933	-29
			22	-6989	811	393	-6989	811	393
		NL3 Br. Lc 3 Wind + ice WLB 3 30 32	10	-1646	459	130	-1646	459	130
			11	-5279	835	-49	-5279	835	-49
			12	-8028	952	-523	-8028	952	-523
			20	-3458	669	-282	-3458	669	-282
			21	-6579	933	-29	-6579	933	-29
			22	-6989	811	393	-6989	811	393

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice WLB Ba	10	-1828	494	125	-1828	494	125
			11	-5652	889	-67	-5652	889	-67
			12	-8457	1000	-565	-8457	1000	-565
			20	-3786	721	-318	-3786	721	-318
			21	-6957	983	-46	-6957	983	-46
			22	-7285	845	393	-7285	845	393
		NL3 Br. Lc 3 Wind + ice WRA 1 20 22	10	-2732	679	246	-2732	679	246
			11	-5524	924	31	-5524	924	31
			12	-6588	863	-368	-6588	863	-368
			20	-2583	606	-170	-2583	606	-170
			21	-6912	1030	55	-6912	1030	55
			22	-8932	1059	573	-8932	1059	573
		NL3 Br. Lc 3 Wind + ice WRA 3 30 32	10	-2732	679	246	-2732	679	246
			11	-5524	924	31	-5524	924	31
			12	-6588	863	-368	-6588	863	-368
			20	-2583	606	-170	-2583	606	-170
			21	-6912	1030	55	-6912	1030	55
			22	-8932	1059	573	-8932	1059	573
		NL3 Br. Lc 3 Wind + ice WRA Ba	10	-3013	731	280	-3013	731	280
			11	-5913	982	48	-5913	982	48
			12	-6917	904	-370	-6917	904	-370
			20	-2832	650	-167	-2832	650	-167
			21	-7312	1086	74	-7312	1086	74
			22	-9366	1109	616	-9366	1109	616
		NL3 Br. Lc 3 Wind + ice WRB 1 20 22	10	-2889	758	254	-2889	758	254
			11	-5787	1014	31	-5787	1014	31
			12	-6883	950	-383	-6883	950	-383
			20	-2836	697	-181	-2836	697	-181
			21	-7169	1117	56	-7169	1117	56
			22	-9106	1134	581	-9106	1134	581
		NL3 Br. Lc 3 Wind + ice WRB 3 30 32	10	-2889	758	254	-2889	758	254
			11	-5787	1014	31	-5787	1014	31
			12	-6883	950	-383	-6883	950	-383
			20	-2836	697	-181	-2836	697	-181
			21	-7169	1117	56	-7169	1117	56
			22	-9106	1134	581	-9106	1134	581
		NL3 Br. Lc 3 Wind + ice WRB Ba	10	-3182	815	288	-3182	815	288
			11	-6192	1076	48	-6192	1076	48
			12	-7234	996	-386	-7234	996	-386
			20	-3113	747	-180	-3113	747	-180
			21	-7585	1177	74	-7585	1177	74
			22	-9550	1187	624	-9550	1187	624
		NL3 Br. Lc 4 Con & Main WLA 1 20 22	10	-1271	451	138	-1271	451	138
			11	-3253	633	-18	-3253	633	-18
			12	-4636	659	-327	-4636	659	-327
			20	-2527	592	-209	-2527	592	-209
			21	-3742	652	-4	-3742	652	-4
			22	-3395	511	244	-3395	511	244
		NL3 Br. Lc 4 Con & Main WLA 3 30 32	10	-1271	451	138	-1271	451	138
			11	-3253	633	-18	-3253	633	-18
			12	-4636	659	-327	-4636	659	-327
			20	-2527	592	-209	-2527	592	-209
			21	-3742	652	-4	-3742	652	-4
			22	-3395	511	244	-3395	511	244
		NL3 Br. Lc 4 Con & Main WLA Ba	10	-1271	451	138	-1271	451	138
			11	-3253	633	-18	-3253	633	-18
			12	-4636	659	-327	-4636	659	-327
			20	-2527	592	-209	-2527	592	-209
			21	-3742	652	-4	-3742	652	-4
			22	-3395	511	244	-3395	511	244
		NL3 Br. Lc 4 Con & Main WLB 1 20 22	10	-1089	372	131	-1089	372	131
			11	-3027	552	-17	-3027	552	-17
			12	-4452	586	-318	-4452	586	-318
			20	-2368	517	-201	-2368	517	-201
			21	-3504	571	-4	-3504	571	-4
			22	-3128	432	232	-3128	432	232
		NL3 Br. Lc 4 Con & Main WLB 3 30 32	10	-1089	372	131	-1089	372	131
			11	-3027	552	-17	-3027	552	-17
			12	-4452	586	-318	-4452	586	-318
			20	-2368	517	-201	-2368	517	-201
			21	-3504	571	-4	-3504	571	-4
			22	-3128	432	232	-3128	432	232
		NL3 Br. Lc 4 Con & Main WLB Ba	10	-1089	372	131	-1089	372	131
			11	-3027	552	-17	-3027	552	-17

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 4 Con & Main WLB Ba	12	-4452	586	-318	-4452	586	-318
			20	-2368	517	-201	-2368	517	-201
			21	-3504	571	-4	-3504	571	-4
			22	-3128	432	232	-3128	432	232
		NL3 Br. Lc 4 Con & Main WRA 1 20 2	10	-1980	560	181	-1980	560	181
			11	-3224	630	4	-3224	630	4
			12	-3187	511	-232	-3187	511	-232
			20	-1667	474	-155	-1667	474	-155
			21	-3789	659	20	-3789	659	20
			22	-4924	662	345	-4924	662	345
		NL3 Br. Lc 4 Con & Main WRA 3 30 3	10	-1980	560	181	-1980	560	181
			11	-3224	630	4	-3224	630	4
			12	-3187	511	-232	-3187	511	-232
			20	-1667	474	-155	-1667	474	-155
			21	-3789	659	20	-3789	659	20
			22	-4924	662	345	-4924	662	345
		NL3 Br. Lc 4 Con & Main WRA Ba	10	-1980	560	181	-1980	560	181
			11	-3224	630	4	-3224	630	4
			12	-3187	511	-232	-3187	511	-232
			20	-1667	474	-155	-1667	474	-155
			21	-3789	659	20	-3789	659	20
			22	-4924	662	345	-4924	662	345
		NL3 Br. Lc 4 Con & Main WRB 1 20 2	10	-2110	632	188	-2110	632	188
			11	-3437	710	5	-3437	710	5
			12	-3447	591	-244	-3447	591	-244
			20	-1870	554	-164	-1870	554	-164
			21	-4007	737	21	-4007	737	21
			22	-5076	731	353	-5076	731	353
		NL3 Br. Lc 4 Con & Main WRB 3 30 3	10	-2110	632	188	-2110	632	188
			11	-3437	710	5	-3437	710	5
			12	-3447	591	-244	-3447	591	-244
			20	-1870	554	-164	-1870	554	-164
			21	-4007	737	21	-4007	737	21
			22	-5076	731	353	-5076	731	353
		NL3 Br. Lc 4 Con & Main WRB Ba	10	-2110	632	188	-2110	632	188
			11	-3437	710	5	-3437	710	5
			12	-3447	591	-244	-3447	591	-244
			20	-1870	554	-164	-1870	554	-164
			21	-4007	737	21	-4007	737	21
			22	-5076	731	353	-5076	731	353
		Kortsluiting -20	10	-11930	1976	893	-11930	1976	893
			11	-20554	2833	264	-20554	2833	264
			12	-23268	2729	-936	-23268	2729	-936
			20	-14195	2315	-450	-14195	2315	-450
			21	-22909	2932	330	-22909	2932	330
			22	-24789	2517	1549	-24789	2517	1549
		Kortsluiting 70	10	-6900	1238	653	-6900	1238	653
			11	-8499	1335	266	-8499	1335	266
			12	-8516	1231	-240	-8516	1231	-240
			20	-7173	1362	-142	-7173	1362	-142
			21	-8846	1292	295	-8846	1292	295
			22	-9112	990	772	-9112	990	772
32	h4dr19.#32.tow	NL1 10°C GW	5	1199	-68	-10774	1199	-68	-10774
			7	1200	-68	-10774	1200	-68	-10774
			20	4936	-161	316	4936	-161	316
			21	4719	-7	354	4719	-7	354
			22	4194	111	337	4194	111	337
			23	2707	-77	-12066	2707	-77	-12066
			24	2710	-77	-12066	2710	-77	-12066
			25	2713	-76	-12066	2713	-76	-12066
			30	4847	150	321	4847	150	321
			31	4548	1	354	4548	1	354
			32	4031	-108	338	4031	-108	338
			33	2708	-77	-12066	2708	-77	-12066
			34	2711	-77	-12066	2711	-77	-12066
			35	2713	-76	-12066	2713	-76	-12066
		NL1 Lc 1a EWL WL_0	5	1441	1891	-20411	1441	1891	-20411
			7	1441	1891	-20412	1441	1891	-20412
			20	10440	130	826	10440	130	826
			21	9215	536	847	9215	536	847
			22	6553	766	620	6553	766	620
			23	3251	2592	-23052	3251	2592	-23052
			24	3254	2597	-23063	3254	2597	-23063
			25	3257	2602	-23073	3257	2602	-23073
			30	8700	874	686	8700	874	686
			31	8516	557	815	8516	557	815
			32	6757	336	700	6757	336	700

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 1a EWL WL_0	33	3251	2592	-23052	3251	2592	-23052
			34	3255	2598	-23064	3255	2598	-23064
			35	3258	2603	-23076	3258	2603	-23076
		NL1 Lc 1a EWL WLA	5	1441	-2149	-20386	1441	-2149	-20386
			7	1441	-2150	-20387	1441	-2150	-20387
			20	8937	-899	679	8937	-899	679
			21	9136	-570	838	9136	-570	838
			22	7462	-310	747	7462	-310	747
			23	3251	-2884	-23023	3251	-2884	-23023
			24	3254	-2889	-23034	3254	-2889	-23034
			25	3257	-2894	-23045	3257	-2894	-23045
			30	10087	-164	830	10087	-164	830
			31	8516	-552	815	8516	-552	815
			32	5933	-749	576	5933	-749	576
			33	3251	-2885	-23024	3251	-2885	-23024
			34	3255	-2890	-23036	3255	-2890	-23036
			35	3258	-2895	-23047	3258	-2895	-23047
		NL1 Lc 1a EWL WLB	5	1441	-2149	-20384	1441	-2149	-20384
			7	1441	-2149	-20385	1441	-2149	-20385
			20	8960	-900	679	8960	-900	679
			21	9157	-570	839	9157	-570	839
			22	7486	-310	749	7486	-310	749
			23	3251	-2884	-23021	3251	-2884	-23021
			24	3254	-2889	-23032	3254	-2889	-23032
			25	3257	-2894	-23043	3257	-2894	-23043
			30	10103	-164	830	10103	-164	830
			31	8536	-552	816	8536	-552	816
			32	5952	-749	578	5952	-749	578
			33	3251	-2884	-23022	3251	-2884	-23022
			34	3255	-2890	-23034	3255	-2890	-23034
			35	3258	-2895	-23045	3258	-2895	-23045
		NL1 Lc 1a EWL WR_0	5	1441	-2149	-20385	1441	-2149	-20385
			7	1441	-2150	-20387	1441	-2150	-20387
			20	8948	-900	679	8948	-900	679
			21	9146	-570	838	9146	-570	838
			22	7479	-310	749	7479	-310	749
			23	3251	-2884	-23022	3251	-2884	-23022
			24	3254	-2889	-23033	3254	-2889	-23033
			25	3257	-2894	-23044	3257	-2894	-23044
			30	10095	-164	830	10095	-164	830
			31	8526	-552	816	8526	-552	816
			32	5943	-749	577	5943	-749	577
			33	3251	-2885	-23023	3251	-2885	-23023
			34	3255	-2890	-23035	3255	-2890	-23035
			35	3258	-2895	-23047	3258	-2895	-23047
		NL1 Lc 1a EWL WRA	5	1441	1891	-20411	1441	1891	-20411
			7	1441	1891	-20413	1441	1891	-20413
			20	10448	129	826	10448	129	826
			21	9225	536	847	9225	536	847
			22	6563	766	621	6563	766	621
			23	3251	2592	-23052	3251	2592	-23052
			24	3254	2597	-23063	3254	2597	-23063
			25	3257	2602	-23074	3257	2602	-23074
			30	8711	875	686	8711	875	686
			31	8527	557	815	8527	557	815
			32	6764	335	701	6764	335	701
			33	3251	2592	-23053	3251	2592	-23053
			34	3255	2598	-23065	3255	2598	-23065
			35	3258	2603	-23077	3258	2603	-23077
		NL1 Lc 1a EWL WRB	5	1441	1890	-20410	1441	1890	-20410
			7	1441	1891	-20411	1441	1891	-20411
			20	10433	130	826	10433	130	826
			21	9204	536	846	9204	536	846
			22	6543	765	620	6543	765	620
			23	3251	2591	-23050	3251	2591	-23050
			24	3254	2596	-23061	3254	2596	-23061
			25	3257	2602	-23072	3257	2602	-23072
			30	8689	874	686	8689	874	686
			31	8506	557	814	8506	557	814
			32	6750	336	700	6750	336	700
			33	3251	2592	-23051	3251	2592	-23051
			34	3255	2597	-23063	3255	2597	-23063
			35	3258	2603	-23075	3258	2603	-23075
		NL1 Lc 1a EWL 0.9 WL_0	5	1082	1898	-19313	1082	1898	-19313
			7	1082	1898	-19314	1082	1898	-19314
			20	9923	131	822	9923	131	822
			21	8715	535	844	8715	535	844
			22	6065	765	619	6065	765	619
			23	2439	2599	-21855	2439	2599	-21855
			24	2442	2604	-21865	2442	2604	-21865
			25	2444	2609	-21875	2444	2609	-21875

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 1a EWL 0.9 WL_0	30	8229	874	687	8229	874	687
			31	8017	556	812	8017	556	812
			32	6242	337	695	6242	337	695
			33	2440	2600	-21856	2440	2600	-21856
			34	2442	2605	-21867	2442	2605	-21867
			35	2445	2611	-21877	2445	2611	-21877
		NL1 Lc 1a EWL 0.9 WLA	5	1082	-2142	-19288	1082	-2142	-19288
			7	1082	-2143	-19289	1082	-2143	-19289
			20	8470	-899	680	8470	-899	680
			21	8639	-569	836	8639	-569	836
			22	6947	-311	743	6947	-311	743
			23	2439	-2877	-21827	2439	-2877	-21827
			24	2442	-2882	-21836	2442	-2882	-21836
			25	2444	-2887	-21846	2444	-2887	-21846
			30	9570	-166	826	9570	-166	826
			31	8016	-552	813	8016	-552	813
			32	5442	-747	575	5442	-747	575
			33	2440	-2877	-21827	2440	-2877	-21827
			34	2442	-2882	-21838	2442	-2882	-21838
			35	2445	-2888	-21848	2445	-2888	-21848
		NL1 Lc 1a EWL 0.9 WLB	5	1082	-2142	-19286	1082	-2142	-19286
			7	1082	-2142	-19287	1082	-2142	-19287
			20	8492	-900	681	8492	-900	681
			21	8660	-569	837	8660	-569	837
			22	6962	-311	743	6962	-311	743
			23	2439	-2876	-21824	2439	-2876	-21824
			24	2442	-2881	-21834	2442	-2881	-21834
			25	2444	-2886	-21844	2444	-2886	-21844
			30	9585	-165	826	9585	-165	826
			31	8036	-551	814	8036	-551	814
			32	5460	-748	576	5460	-748	576
			33	2440	-2877	-21825	2440	-2877	-21825
			34	2442	-2882	-21836	2442	-2882	-21836
			35	2445	-2887	-21846	2445	-2887	-21846
		NL1 Lc 1a EWL 0.9 WR_0	5	1082	-2142	-19288	1082	-2142	-19288
			7	1082	-2143	-19289	1082	-2143	-19289
			20	8481	-900	680	8481	-900	680
			21	8649	-569	836	8649	-569	836
			22	6954	-311	743	6954	-311	743
			23	2439	-2877	-21826	2439	-2877	-21826
			24	2442	-2881	-21836	2442	-2881	-21836
			25	2444	-2886	-21846	2444	-2886	-21846
			30	9578	-166	826	9578	-166	826
			31	8026	-552	813	8026	-552	813
			32	5451	-748	576	5451	-748	576
			33	2440	-2877	-21827	2440	-2877	-21827
			34	2442	-2882	-21837	2442	-2882	-21837
			35	2445	-2888	-21848	2445	-2888	-21848
		NL1 Lc 1a EWL 0.9 WRA	5	1082	1898	-19314	1082	1898	-19314
			7	1082	1898	-19315	1082	1898	-19315
			20	9930	131	822	9930	131	822
			21	8725	535	845	8725	535	845
			22	6075	765	620	6075	765	620
			23	2439	2599	-21856	2439	2599	-21856
			24	2442	2604	-21866	2442	2604	-21866
			25	2444	2609	-21875	2444	2609	-21875
			30	8240	874	687	8240	874	687
			31	8027	556	813	8027	556	813
			32	6249	336	695	6249	336	695
			33	2440	2600	-21857	2440	2600	-21857
			34	2442	2605	-21867	2442	2605	-21867
			35	2445	2611	-21878	2445	2611	-21878
		NL1 Lc 1a EWL 0.9 WRB	5	1082	1897	-19312	1082	1897	-19312
			7	1082	1898	-19313	1082	1898	-19313
			20	9915	132	822	9915	132	822
			21	8705	535	844	8705	535	844
			22	6055	764	619	6055	764	619
			23	2439	2599	-21854	2439	2599	-21854
			24	2442	2604	-21863	2442	2604	-21863
			25	2444	2609	-21873	2444	2609	-21873
			30	8218	873	687	8218	873	687
			31	8007	556	812	8007	556	812
			32	6239	337	695	6239	337	695
			33	2440	2599	-21854	2440	2599	-21854
			34	2442	2605	-21865	2442	2605	-21865
			35	2445	2610	-21875	2445	2610	-21875
		NL1 Lc 1b Cold WL_0	5	1440	363	-14598	1440	363	-14598
			7	1440	363	-14597	1440	363	-14597
			20	19957	-380	1753	19957	-380	1753
			21	16842	478	1741	16842	478	1741
			22	7488	769	751	7488	769	751

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 1b Cold WL_0	23	3250	895	-16883	3250	895	-16883
			24	3253	896	-16878	3253	896	-16878
			25	3256	898	-16873	3256	898	-16873
			30	17607	1258	1598	17607	1258	1598
			31	13629	519	1454	13629	519	1454
			32	7156	279	761	7156	279	761
			33	3250	895	-16883	3250	895	-16883
			34	3253	896	-16877	3253	896	-16877
			35	3257	898	-16872	3257	898	-16872
		NL1 Lc 1b Cold WLA	5	1440	-548	-14592	1440	-548	-14592
			7	1440	-548	-14591	1440	-548	-14591
			20	19023	-1360	1663	19023	-1360	1663
			21	16777	-549	1733	16777	-549	1733
			22	8685	-218	916	8685	-218	916
			23	3250	-1109	-16877	3250	-1109	-16877
			24	3253	-1110	-16872	3253	-1110	-16872
			25	3256	-1111	-16866	3256	-1111	-16866
			30	18624	280	1702	18624	280	1702
			31	13627	-511	1454	13627	-511	1454
			32	6164	-722	613	6164	-722	613
			33	3250	-1109	-16876	3250	-1109	-16876
			34	3253	-1111	-16871	3253	-1111	-16871
			35	3257	-1112	-16865	3257	-1112	-16865
		NL1 Lc 1b Cold WLB	5	1440	-548	-14592	1440	-548	-14592
			7	1440	-548	-14591	1440	-548	-14591
			20	19036	-1361	1664	19036	-1361	1664
			21	16795	-549	1735	16795	-549	1735
			22	8705	-217	919	8705	-217	919
			23	3250	-1109	-16876	3250	-1109	-16876
			24	3253	-1110	-16871	3253	-1110	-16871
			25	3256	-1111	-16866	3256	-1111	-16866
			30	18636	281	1703	18636	281	1703
			31	13650	-511	1457	13650	-511	1457
			32	6187	-723	616	6187	-723	616
			33	3250	-1109	-16876	3250	-1109	-16876
			34	3253	-1110	-16870	3253	-1110	-16870
			35	3257	-1111	-16865	3257	-1111	-16865
		NL1 Lc 1b Cold WR_0	5	1440	-548	-14592	1440	-548	-14592
			7	1440	-548	-14591	1440	-548	-14591
			20	19030	-1360	1663	19030	-1360	1663
			21	16786	-549	1734	16786	-549	1734
			22	8695	-217	918	8695	-217	918
			23	3250	-1109	-16877	3250	-1109	-16877
			24	3253	-1110	-16871	3253	-1110	-16871
			25	3256	-1111	-16866	3256	-1111	-16866
			30	18630	281	1702	18630	281	1702
			31	13639	-511	1456	13639	-511	1456
			32	6176	-722	614	6176	-722	614
			33	3250	-1109	-16876	3250	-1109	-16876
			34	3253	-1111	-16871	3253	-1111	-16871
			35	3257	-1112	-16865	3257	-1112	-16865
		NL1 Lc 1b Cold WRA	5	1440	363	-14598	1440	363	-14598
			7	1440	363	-14597	1440	363	-14597
			20	19962	-381	1754	19962	-381	1754
			21	16851	478	1741	16851	478	1741
			22	7502	770	753	7502	770	753
			23	3250	895	-16883	3250	895	-16883
			24	3253	896	-16878	3253	896	-16878
			25	3256	898	-16873	3256	898	-16873
			30	17615	1259	1598	17615	1259	1598
			31	13640	519	1456	13640	519	1456
			32	7165	279	762	7165	279	762
			33	3250	895	-16883	3250	895	-16883
			34	3253	897	-16877	3253	897	-16877
			35	3257	898	-16872	3257	898	-16872
		NL1 Lc 1b Cold WRB	5	1440	363	-14597	1440	363	-14597
			7	1440	363	-14597	1440	363	-14597
			20	19952	-380	1753	19952	-380	1753
			21	16833	478	1740	16833	478	1740
			22	7475	769	750	7475	769	750
			23	3250	895	-16883	3250	895	-16883
			24	3253	896	-16878	3253	896	-16878
			25	3256	897	-16873	3256	897	-16873
			30	17599	1258	1597	17599	1258	1597
			31	13617	519	1453	13617	519	1453
			32	7148	280	760	7148	280	760
			33	3250	895	-16882	3250	895	-16882
			34	3253	896	-16877	3253	896	-16877
			35	3257	898	-16872	3257	898	-16872
		NL1 Lc 1b Cold 0.9 WL_0	5	1080	379	-12027	1080	379	-12027
			7	1080	379	-12026	1080	379	-12026

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 1b Cold 0.9 WL_0	20	19454	-379	1751	19454	-379	1751
			21	16346	478	1738	16346	478	1738
			22	6991	768	749	6991	768	749
			23	2438	913	-14061	2438	913	-14061
			24	2440	914	-14053	2440	914	-14053
			25	2442	915	-14046	2442	915	-14046
			30	17131	1258	1598	17131	1258	1598
			31	13125	519	1451	13125	519	1451
			32	6633	281	755	6633	281	755
			33	2438	913	-14060	2438	913	-14060
			34	2440	914	-14052	2440	914	-14052
			35	2443	916	-14044	2443	916	-14044
		NL1 Lc 1b Cold 0.9 WLA	5	1080	-532	-12021	1080	-532	-12021
			7	1080	-532	-12021	1080	-532	-12021
			20	18549	-1360	1663	18549	-1360	1663
			21	16283	-548	1731	16283	-548	1731
			22	8159	-219	910	8159	-219	910
			23	2438	-1091	-14055	2438	-1091	-14055
			24	2440	-1092	-14047	2440	-1092	-14047
			25	2442	-1093	-14039	2442	-1093	-14039
			30	18118	279	1699	18118	279	1699
			31	13124	-511	1451	13124	-511	1451
			32	5663	-720	610	5663	-720	610
			33	2438	-1092	-14054	2438	-1092	-14054
			34	2440	-1093	-14046	2440	-1093	-14046
			35	2443	-1094	-14037	2443	-1094	-14037
		NL1 Lc 1b Cold 0.9 WLB	5	1080	-532	-12021	1080	-532	-12021
			7	1080	-532	-12020	1080	-532	-12020
			20	18562	-1361	1664	18562	-1361	1664
			21	16300	-549	1733	16300	-549	1733
			22	8178	-219	912	8178	-219	912
			23	2438	-1091	-14054	2438	-1091	-14054
			24	2440	-1092	-14047	2440	-1092	-14047
			25	2442	-1093	-14039	2442	-1093	-14039
			30	18130	280	1700	18130	280	1700
			31	13146	-511	1454	13146	-511	1454
			32	5685	-721	613	5685	-721	613
			33	2438	-1091	-14054	2438	-1091	-14054
			34	2440	-1093	-14045	2440	-1093	-14045
			35	2443	-1094	-14037	2443	-1094	-14037
		NL1 Lc 1b Cold 0.9 WR_0	5	1080	-532	-12021	1080	-532	-12021
			7	1080	-532	-12021	1080	-532	-12021
			20	18555	-1360	1663	18555	-1360	1663
			21	16291	-549	1732	16291	-549	1732
			22	8168	-219	911	8168	-219	911
			23	2438	-1091	-14055	2438	-1091	-14055
			24	2440	-1092	-14047	2440	-1092	-14047
			25	2442	-1093	-14039	2442	-1093	-14039
			30	18124	279	1699	18124	279	1699
			31	13135	-511	1452	13135	-511	1452
			32	5674	-721	611	5674	-721	611
			33	2438	-1092	-14054	2438	-1092	-14054
			34	2440	-1093	-14046	2440	-1093	-14046
			35	2443	-1094	-14037	2443	-1094	-14037
		NL1 Lc 1b Cold 0.9 WRA	5	1080	379	-12027	1080	379	-12027
			7	1080	379	-12026	1080	379	-12026
			20	19459	-380	1751	19459	-380	1751
			21	16354	478	1739	16354	478	1739
			22	7005	769	751	7005	769	751
			23	2438	913	-14061	2438	913	-14061
			24	2440	914	-14053	2440	914	-14053
			25	2442	915	-14046	2442	915	-14046
			30	17139	1259	1598	17139	1259	1598
			31	13137	519	1452	13137	519	1452
			32	6641	281	756	6641	281	756
			33	2438	913	-14061	2438	913	-14061
			34	2440	914	-14052	2440	914	-14052
			35	2443	916	-14044	2443	916	-14044
		NL1 Lc 1b Cold 0.9 WRB	5	1080	379	-12027	1080	379	-12027
			7	1080	379	-12026	1080	379	-12026
			20	19448	-379	1751	19448	-379	1751
			21	16337	478	1738	16337	478	1738
			22	6978	768	747	6978	768	747
			23	2437	913	-14061	2437	913	-14061
			24	2440	914	-14053	2440	914	-14053
			25	2442	915	-14045	2442	915	-14045
			30	17124	1258	1597	17124	1258	1597
			31	13114	519	1450	13114	519	1450
			32	6624	282	754	6624	282	754
			33	2438	913	-14060	2438	913	-14060
			34	2440	914	-14052	2440	914	-14052
			35	2443	916	-14044	2443	916	-14044

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 3 Wind + ice WL_0	5	5837	2688	-43000	5837	2688	-43000
			7	5839	2689	-43005	5839	2689	-43005
			20	14111	-58	1166	14111	-58	1166
			21	12032	514	1155	12032	514	1155
			22	7374	781	706	7374	781	706
			23	8155	2952	-48786	8155	2952	-48786
			24	8168	2958	-48824	8168	2958	-48824
			25	8182	2964	-48863	8182	2964	-48863
			30	11587	987	963	11587	987	963
			31	10617	542	1054	10617	542	1054
			32	7566	294	791	7566	294	791
			33	8156	2952	-48789	8156	2952	-48789
			34	8171	2959	-48831	8171	2959	-48831
			35	8186	2966	-48872	8186	2966	-48872
		NL1 Lc 3 Wind + ice WLA	5	5837	-3232	-42963	5837	-3232	-42963
			7	5839	-3233	-42968	5839	-3233	-42968
			20	12206	-1037	980	12206	-1037	980
			21	11929	-561	1144	11929	-561	1144
			22	8597	-255	877	8597	-255	877
			23	8155	-3571	-48751	8155	-3571	-48751
			24	8168	-3577	-48789	8168	-3577	-48789
			25	8182	-3583	-48827	8182	-3583	-48827
			30	13398	0	1149	13398	0	1149
			31	10615	-537	1054	10615	-537	1054
			32	6506	-754	631	6506	-754	631
			33	8156	-3572	-48754	8156	-3572	-48754
			34	8171	-3578	-48795	8171	-3578	-48795
			35	8186	-3585	-48836	8186	-3585	-48836
		NL1 Lc 3 Wind + ice WLB	5	5837	-3232	-42962	5837	-3232	-42962
			7	5839	-3233	-42967	5839	-3233	-42967
			20	12236	-1038	982	12236	-1038	982
			21	11957	-561	1146	11957	-561	1146
			22	8618	-254	878	8618	-254	878
			23	8155	-3571	-48750	8155	-3571	-48750
			24	8168	-3577	-48788	8168	-3577	-48788
			25	8182	-3583	-48826	8182	-3583	-48826
			30	13419	1	1150	13419	1	1150
			31	10643	-537	1057	10643	-537	1057
			32	6531	-755	634	6531	-755	634
			33	8156	-3571	-48753	8156	-3571	-48753
			34	8171	-3578	-48794	8171	-3578	-48794
			35	8186	-3584	-48835	8186	-3584	-48835
		NL1 Lc 3 Wind + ice WR_0	5	5837	-3232	-42963	5837	-3232	-42963
			7	5839	-3233	-42967	5839	-3233	-42967
			20	12221	-1037	981	12221	-1037	981
			21	11943	-561	1145	11943	-561	1145
			22	8608	-254	877	8608	-254	877
			23	8155	-3571	-48750	8155	-3571	-48750
			24	8168	-3577	-48789	8168	-3577	-48789
			25	8182	-3583	-48827	8182	-3583	-48827
			30	13409	0	1150	13409	0	1150
			31	10629	-537	1055	10629	-537	1055
			32	6519	-755	632	6519	-755	632
			33	8156	-3571	-48753	8156	-3571	-48753
			34	8171	-3578	-48795	8171	-3578	-48795
			35	8186	-3585	-48836	8186	-3585	-48836
		NL1 Lc 3 Wind + ice WRA	5	5837	2688	-43000	5837	2688	-43000
			7	5839	2689	-43005	5839	2689	-43005
			20	14120	-59	1166	14120	-59	1166
			21	12046	514	1156	12046	514	1156
			22	7388	781	708	7388	781	708
			23	8155	2952	-48786	8155	2952	-48786
			24	8168	2958	-48825	8168	2958	-48825
			25	8182	2964	-48863	8182	2964	-48863
			30	11602	988	964	11602	988	964
			31	10631	542	1055	10631	542	1055
			32	7575	294	792	7575	294	792
			33	8156	2952	-48790	8156	2952	-48790
			34	8171	2959	-48831	8171	2959	-48831
			35	8186	2966	-48872	8186	2966	-48872
		NL1 Lc 3 Wind + ice WRB	5	5837	2687	-42999	5837	2687	-42999
			7	5839	2688	-43004	5839	2688	-43004
			20	14101	-58	1165	14101	-58	1165
			21	12018	514	1154	12018	514	1154
			22	7360	780	705	7360	780	705
			23	8155	2951	-48786	8155	2951	-48786
			24	8168	2958	-48824	8168	2958	-48824
			25	8182	2964	-48862	8182	2964	-48862
			30	11572	987	962	11572	987	962
			31	10602	542	1053	10602	542	1053
			32	7557	295	790	7557	295	790

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 3 Wind + ice WRB	33	8156	2952	-48789	8156	2952	-48789
			34	8171	2959	-48830	8171	2959	-48830
			35	8186	2965	-48871	8186	2965	-48871
		NL1 Lc 3 Wind + ice 0.9 WL_0	5	5477	2696	-41686	5477	2696	-41686
			7	5479	2697	-41691	5479	2697	-41691
			20	13590	-56	1162	13590	-56	1162
			21	11526	514	1152	11526	514	1152
			22	6876	780	704	6876	780	704
			23	7343	2962	-47100	7343	2962	-47100
			24	7356	2969	-47136	7356	2969	-47136
			25	7369	2975	-47172	7369	2975	-47172
			30	11111	987	963	11111	987	963
			31	10108	542	1050	10108	542	1050
			32	7043	296	785	7043	296	785
			33	7344	2963	-47103	7344	2963	-47103
			34	7358	2970	-47142	7358	2970	-47142
			35	7372	2976	-47180	7372	2976	-47180
		NL1 Lc 3 Wind + ice 0.9 WLA	5	5477	-3224	-41649	5477	-3224	-41649
			7	5479	-3225	-41654	5479	-3225	-41654
			20	11734	-1037	981	11734	-1037	981
			21	11425	-561	1141	11425	-561	1141
			22	8073	-256	871	8073	-256	871
			23	7343	-3560	-47064	7343	-3560	-47064
			24	7356	-3566	-47100	7356	-3566	-47100
			25	7369	-3573	-47136	7369	-3573	-47136
			30	12877	-2	1145	12877	-2	1145
			31	10106	-536	1051	10106	-536	1051
			32	6005	-753	628	6005	-753	628
			33	7344	-3561	-47067	7344	-3561	-47067
			34	7358	-3567	-47106	7358	-3567	-47106
			35	7372	-3574	-47145	7372	-3574	-47145
		NL1 Lc 3 Wind + ice 0.9 WLB	5	5477	-3224	-41648	5477	-3224	-41648
			7	5479	-3224	-41653	5479	-3224	-41653
			20	11763	-1038	983	11763	-1038	983
			21	11453	-561	1143	11453	-561	1143
			22	8093	-255	872	8093	-255	872
			23	7343	-3560	-47063	7343	-3560	-47063
			24	7356	-3566	-47099	7356	-3566	-47099
			25	7369	-3572	-47135	7369	-3572	-47135
			30	12897	-1	1146	12897	-1	1146
			31	10134	-536	1053	10134	-536	1053
			32	6029	-754	631	6029	-754	631
			33	7344	-3560	-47066	7344	-3560	-47066
			34	7358	-3567	-47105	7358	-3567	-47105
			35	7372	-3573	-47144	7372	-3573	-47144
		NL1 Lc 3 Wind + ice 0.9 WR_0	5	5477	-3224	-41649	5477	-3224	-41649
			7	5479	-3225	-41653	5479	-3225	-41653
			20	11748	-1037	982	11748	-1037	982
			21	11439	-561	1142	11439	-561	1142
			22	8083	-256	871	8083	-256	871
			23	7343	-3560	-47064	7343	-3560	-47064
			24	7356	-3566	-47100	7356	-3566	-47100
			25	7369	-3572	-47136	7369	-3572	-47136
			30	12887	-2	1145	12887	-2	1145
			31	10120	-536	1052	10120	-536	1052
			32	6017	-753	630	6017	-753	630
			33	7344	-3561	-47067	7344	-3561	-47067
			34	7358	-3567	-47106	7358	-3567	-47106
			35	7372	-3574	-47144	7372	-3574	-47144
		NL1 Lc 3 Wind + ice 0.9 WRA	5	5477	2696	-41687	5477	2696	-41687
			7	5479	2697	-41691	5479	2697	-41691
			20	13599	-57	1162	13599	-57	1162
			21	11539	514	1153	11539	514	1153
			22	6889	780	705	6889	780	705
			23	7343	2962	-47100	7343	2962	-47100
			24	7356	2969	-47136	7356	2969	-47136
			25	7369	2975	-47172	7369	2975	-47172
			30	11126	988	964	11126	988	964
			31	10122	542	1051	10122	542	1051
			32	7052	295	785	7052	295	785
			33	7344	2963	-47103	7344	2963	-47103
			34	7358	2970	-47142	7358	2970	-47142
			35	7372	2976	-47181	7372	2976	-47181
		NL1 Lc 3 Wind + ice 0.9 WRB	5	5477	2696	-41686	5477	2696	-41686
			7	5479	2697	-41690	5479	2697	-41690
			20	13580	-56	1161	13580	-56	1161
			21	11512	514	1151	11512	514	1151
			22	6862	779	703	6862	779	703
			23	7343	2962	-47099	7343	2962	-47099
			24	7356	2968	-47135	7356	2968	-47135
			25	7369	2975	-47171	7369	2975	-47171

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 3 Wind + ice 0.9 WRB	30	11096	987	962	11096	987	962
			31	10094	542	1049	10094	542	1049
			32	7034	296	784	7034	296	784
			33	7344	2963	-47102	7344	2963	-47102
			34	7358	2969	-47141	7358	2969	-47141
			35	7372	2976	-47180	7372	2976	-47180
		NL1 Lc 4 Con & Main WL_0	5	1439	327	-13019	1439	327	-13019
			7	1440	328	-13019	1440	328	-13019
			20	8811	127	666	8811	127	666
			21	7673	456	666	7673	456	666
			22	5520	635	479	5520	635	479
			23	3249	810	-14555	3249	810	-14555
			24	3252	811	-14558	3252	811	-14558
			25	3255	812	-14560	3255	812	-14560
			30	7072	713	519	7072	713	519
			31	7102	472	638	7102	472	638
			32	5838	294	564	5838	294	564
			33	3249	810	-14556	3249	810	-14556
			34	3253	811	-14558	3253	811	-14558
			35	3256	812	-14560	3256	812	-14560
		NL1 Lc 4 Con & Main WLA	5	1439	-492	-13014	1439	-492	-13014
			7	1440	-493	-13014	1440	-493	-13014
			20	7246	-731	513	7246	-731	513
			21	7593	-482	656	7593	-482	656
			22	6371	-275	597	6371	-275	597
			23	3249	-994	-14550	3249	-994	-14550
			24	3252	-995	-14552	3252	-995	-14552
			25	3255	-996	-14554	3255	-996	-14554
			30	8497	-156	666	8497	-156	666
			31	7100	-468	637	7100	-468	637
			32	5096	-624	452	5096	-624	452
			33	3249	-995	-14550	3249	-995	-14550
			34	3253	-996	-14552	3253	-996	-14552
			35	3256	-997	-14554	3256	-997	-14554
		NL1 Lc 4 Con & Main WLB	5	1439	-492	-13013	1439	-492	-13013
			7	1440	-492	-13014	1440	-492	-13014
			20	7271	-732	515	7271	-732	515
			21	7614	-482	659	7614	-482	659
			22	6386	-275	599	6386	-275	599
			23	3249	-994	-14549	3249	-994	-14549
			24	3252	-995	-14552	3252	-995	-14552
			25	3255	-996	-14554	3255	-996	-14554
			30	8514	-156	668	8514	-156	668
			31	7120	-468	640	7120	-468	640
			32	5112	-625	454	5112	-625	454
			33	3249	-994	-14550	3249	-994	-14550
			34	3253	-995	-14552	3253	-995	-14552
			35	3256	-996	-14554	3256	-996	-14554
		NL1 Lc 4 Con & Main WR_0	5	1439	-492	-13013	1439	-492	-13013
			7	1440	-492	-13014	1440	-492	-13014
			20	7258	-732	514	7258	-732	514
			21	7604	-482	657	7604	-482	657
			22	6378	-275	598	6378	-275	598
			23	3249	-994	-14550	3249	-994	-14550
			24	3252	-995	-14552	3252	-995	-14552
			25	3255	-996	-14554	3255	-996	-14554
			30	8506	-156	667	8506	-156	667
			31	7110	-468	638	7110	-468	638
			32	5104	-625	453	5104	-625	453
			33	3249	-995	-14550	3249	-995	-14550
			34	3253	-996	-14552	3253	-996	-14552
			35	3256	-997	-14554	3256	-997	-14554
		NL1 Lc 4 Con & Main WRA	5	1439	327	-13019	1439	327	-13019
			7	1440	328	-13019	1440	328	-13019
			20	8819	127	667	8819	127	667
			21	7683	455	667	7683	455	667
			22	5530	635	480	5530	635	480
			23	3249	810	-14556	3249	810	-14556
			24	3252	811	-14558	3252	811	-14558
			25	3255	812	-14560	3255	812	-14560
			30	7085	713	520	7085	713	520
			31	7112	472	639	7112	472	639
			32	5844	294	565	5844	294	565
			33	3249	810	-14556	3249	810	-14556
			34	3253	811	-14558	3253	811	-14558
			35	3256	812	-14560	3256	812	-14560
		NL1 Lc 4 Con & Main WRB	5	1439	327	-13018	1439	327	-13018
			7	1440	328	-13019	1440	328	-13019
			20	8803	128	666	8803	128	666
			21	7662	456	665	7662	456	665
			22	5510	634	477	5510	634	477

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 4 Con & Main WRB	23	3249	810	-14555	3249	810	-14555
			24	3252	811	-14557	3252	811	-14557
			25	3255	812	-14560	3255	812	-14560
			30	7060	712	518	7060	712	518
			31	7091	472	636	7091	472	636
			32	5831	295	563	5831	295	563
			33	3249	810	-14556	3249	810	-14556
			34	3253	811	-14558	3253	811	-14558
			35	3256	812	-14560	3256	812	-14560
		NL1 Lc 4 Con & Main 0.9 WL_0	5	1080	343	-10519	1080	343	-10519
			7	1080	343	-10519	1080	343	-10519
			20	8289	129	662	8289	129	662
			21	7164	455	662	7164	455	662
			22	5017	633	476	5017	633	476
			23	2437	827	-11867	2437	827	-11867
			24	2439	828	-11867	2439	828	-11867
			25	2442	829	-11866	2442	829	-11866
			30	6588	712	519	6588	712	519
			31	6592	472	634	6592	472	634
			32	5318	296	558	5318	296	558
			33	2437	827	-11867	2437	827	-11867
			34	2440	828	-11867	2440	828	-11867
			35	2442	829	-11866	2442	829	-11866
		NL1 Lc 4 Con & Main 0.9 WLA	5	1080	-477	-10514	1080	-477	-10514
			7	1080	-477	-10514	1080	-477	-10514
			20	6766	-731	513	6766	-731	513
			21	7087	-482	653	7087	-482	653
			22	5851	-277	592	5851	-277	592
			23	2437	-977	-11861	2437	-977	-11861
			24	2439	-978	-11861	2439	-978	-11861
			25	2442	-979	-11861	2442	-979	-11861
			30	7976	-158	662	7976	-158	662
			31	6591	-468	634	6591	-468	634
			32	4593	-622	448	4593	-622	448
			33	2437	-977	-11861	2437	-977	-11861
			34	2440	-978	-11861	2440	-978	-11861
			35	2442	-979	-11861	2442	-979	-11861
		NL1 Lc 4 Con & Main 0.9 WLB	5	1080	-476	-10514	1080	-476	-10514
			7	1080	-477	-10514	1080	-477	-10514
			20	6790	-732	515	6790	-732	515
			21	7108	-482	655	7108	-482	655
			22	5865	-276	593	5865	-276	593
			23	2437	-977	-11861	2437	-977	-11861
			24	2439	-978	-11861	2439	-978	-11861
			25	2442	-979	-11860	2442	-979	-11860
			30	7992	-157	663	7992	-157	663
			31	6610	-468	636	6610	-468	636
			32	4607	-623	450	4607	-623	450
			33	2437	-977	-11861	2437	-977	-11861
			34	2440	-978	-11861	2440	-978	-11861
			35	2442	-979	-11860	2442	-979	-11860
		NL1 Lc 4 Con & Main 0.9 WR_0	5	1080	-477	-10514	1080	-477	-10514
			7	1080	-477	-10514	1080	-477	-10514
			20	6778	-731	514	6778	-731	514
			21	7097	-482	654	7097	-482	654
			22	5858	-277	592	5858	-277	592
			23	2437	-977	-11861	2437	-977	-11861
			24	2439	-978	-11861	2439	-978	-11861
			25	2442	-979	-11861	2442	-979	-11861
			30	7984	-158	663	7984	-158	663
			31	6601	-468	635	6601	-468	635
			32	4599	-623	449	4599	-623	449
			33	2437	-977	-11861	2437	-977	-11861
			34	2440	-978	-11861	2440	-978	-11861
			35	2442	-979	-11861	2442	-979	-11861
		NL1 Lc 4 Con & Main 0.9 WRA	5	1080	343	-10519	1080	343	-10519
			7	1080	343	-10519	1080	343	-10519
			20	8297	129	663	8297	129	663
			21	7175	455	663	7175	455	663
			22	5027	634	477	5027	634	477
			23	2437	827	-11867	2437	827	-11867
			24	2439	828	-11867	2439	828	-11867
			25	2442	829	-11867	2442	829	-11867
			30	6600	713	520	6600	713	520
			31	6602	472	635	6602	472	635
			32	5324	295	559	5324	295	559
			33	2437	827	-11867	2437	827	-11867
			34	2440	828	-11867	2440	828	-11867
			35	2442	829	-11866	2442	829	-11866
		NL1 Lc 4 Con & Main 0.9 WRB	5	1080	343	-10519	1080	343	-10519
			7	1080	343	-10519	1080	343	-10519

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL1 Lc 4 Con & Main 0.9 WRB	20	8281	129	662	8281	129	662
			21	7154	455	661	7154	455	661
			22	5008	633	475	5008	633	475
			23	2437	827	-11867	2437	827	-11867
			24	2439	828	-11867	2439	828	-11867
			25	2442	829	-11866	2442	829	-11866
			30	6576	712	518	6576	712	518
			31	6582	472	633	6582	472	633
			32	5312	296	557	5312	296	557
			33	2437	827	-11867	2437	827	-11867
			34	2440	828	-11866	2440	828	-11866
			35	2442	829	-11866	2442	829	-11866
		NL1 Lc 6 Permanent GW	5	1619	-88	-13822	1619	-88	-13822
			7	1619	-88	-13823	1619	-88	-13823
			20	5574	-165	323	5574	-165	323
			21	5414	-7	369	5414	-7	369
			22	4817	114	345	4817	114	345
			23	3655	-98	-15373	3655	-98	-15373
			24	3658	-98	-15376	3658	-98	-15376
			25	3662	-97	-15379	3662	-97	-15379
			30	5484	154	329	5484	154	329
			31	5178	1	363	5178	1	363
			32	4648	-110	346	4648	-110	346
			33	3655	-98	-15373	3655	-98	-15373
			34	3659	-98	-15376	3659	-98	-15376
			35	3663	-97	-15379	3663	-97	-15379
		NL1 Lc 6 Permanent 0.9 GW	5	1079	-62	-9848	1079	-62	-9848
			7	1080	-62	-9848	1080	-62	-9848
			20	4760	-160	314	4760	-160	314
			21	4536	-7	351	4536	-7	351
			22	4017	110	335	4017	110	335
			23	2437	-70	-11080	2437	-70	-11080
			24	2439	-70	-11080	2439	-70	-11080
			25	2441	-70	-11079	2441	-70	-11079
			30	4666	149	319	4666	149	319
			31	4366	1	352	4366	1	352
			32	3854	-107	335	3854	-107	335
			33	2437	-70	-11080	2437	-70	-11080
			34	2440	-70	-11079	2440	-70	-11079
			35	2442	-70	-11079	2442	-70	-11079
		NL3 Br. Br. Lc 1a EWL WLA Ba	5	1440	-1151	-15326	1440	-1151	-15326
			7	1440	-1151	-15327	1440	-1151	-15327
			23	3250	-1746	-17216	3250	-1746	-17216
			24	3253	-1748	-17220	3253	-1748	-17220
			25	3256	-1751	-17225	3256	-1751	-17225
			33	3250	-1746	-17216	3250	-1746	-17216
			34	3253	-1749	-17221	3253	-1749	-17221
			35	3257	-1751	-17226	3257	-1751	-17226
		NL3 Br. Br. Lc 1a EWL WLB Ba	5	1440	-1151	-15325	1440	-1151	-15325
			7	1440	-1151	-15326	1440	-1151	-15326
			23	3250	-1746	-17215	3250	-1746	-17215
			24	3253	-1748	-17219	3253	-1748	-17219
			25	3256	-1751	-17224	3256	-1751	-17224
			33	3250	-1746	-17215	3250	-1746	-17215
			34	3253	-1749	-17220	3253	-1749	-17220
			35	3257	-1751	-17225	3257	-1751	-17225
		NL3 Br. Br. Lc 1a EWL WRA Ba	5	1440	957	-15339	1440	957	-15339
			7	1440	957	-15340	1440	957	-15340
			23	3250	1527	-17231	3250	1527	-17231
			24	3253	1530	-17236	3253	1530	-17236
			25	3256	1532	-17240	3256	1532	-17240
			33	3250	1527	-17231	3250	1527	-17231
			34	3253	1530	-17236	3253	1530	-17236
			35	3257	1533	-17241	3257	1533	-17241
		NL3 Br. Br. Lc 1a EWL WRB Ba	5	1440	957	-15339	1440	957	-15339
			7	1440	957	-15339	1440	957	-15339
			23	3250	1527	-17230	3250	1527	-17230
			24	3253	1530	-17235	3253	1530	-17235
			25	3256	1532	-17239	3256	1532	-17239
			33	3250	1527	-17230	3250	1527	-17230
			34	3253	1530	-17235	3253	1530	-17235
			35	3257	1533	-17241	3257	1533	-17241
		NL3 Br. Lc 1a EWL 0.9 WLA 5 23 25	7	1081	-1140	-13493	1081	-1140	-13493
			20	7423	-797	577	7423	-797	577
			21	7685	-517	724	7685	-517	724
			22	6271	-292	650	6271	-292	650
			30	8602	-162	726	8602	-162	726
			31	7136	-501	702	7136	-501	702
			32	4903	-671	494	4903	-671	494
			33	2438	-1733	-15237	2438	-1733	-15237

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1a EWL 0.9 WLA 5 23 25	34	2441	-1736	-15240	2441	-1736	-15240
			35	2443	-1739	-15243	2443	-1739	-15243
		NL3 Br. Lc 1a EWL 0.9 WLA 7 33 35	5	1080	-1139	-13492	1080	-1139	-13492
			20	7423	-797	577	7423	-797	577
			21	7685	-517	724	7685	-517	724
			22	6271	-292	650	6271	-292	650
			23	2438	-1733	-15236	2438	-1733	-15236
			24	2440	-1736	-15239	2440	-1736	-15239
			25	2443	-1738	-15242	2443	-1738	-15242
			30	8602	-162	726	8602	-162	726
			31	7136	-501	702	7136	-501	702
			32	4903	-671	494	4903	-671	494
		NL3 Br. Lc 1a EWL 0.9 WLB 5 23 25	7	1081	-1140	-13492	1081	-1140	-13492
			20	7446	-798	579	7446	-798	579
			21	7705	-517	725	7705	-517	725
			22	6285	-291	651	6285	-291	651
			30	8618	-161	727	8618	-161	727
			31	7156	-501	704	7156	-501	704
			32	4920	-672	496	4920	-672	496
			33	2438	-1733	-15236	2438	-1733	-15236
			34	2441	-1736	-15239	2441	-1736	-15239
			35	2443	-1739	-15242	2443	-1739	-15242
		NL3 Br. Lc 1a EWL 0.9 WLB 7 33 35	5	1080	-1139	-13491	1080	-1139	-13491
			20	7446	-798	579	7446	-798	579
			21	7705	-517	725	7705	-517	725
			22	6285	-291	651	6285	-291	651
			23	2438	-1733	-15235	2438	-1733	-15235
			24	2440	-1736	-15238	2440	-1736	-15238
			25	2443	-1738	-15241	2443	-1738	-15241
			30	8618	-161	727	8618	-161	727
			31	7156	-501	704	7156	-501	704
			32	4920	-672	496	4920	-672	496
		NL3 Br. Lc 1a EWL 0.9 WRA 5 23 25	7	1081	969	-13506	1081	969	-13506
			20	8941	130	726	8941	130	726
			21	7774	487	734	7774	487	734
			22	5416	685	530	5416	685	530
			30	7231	776	584	7231	776	584
			31	7149	505	703	7149	505	703
			32	5674	313	611	5674	313	611
			33	2438	1540	-15252	2438	1540	-15252
			34	2441	1543	-15255	2441	1543	-15255
			35	2443	1546	-15258	2443	1546	-15258
		NL3 Br. Lc 1a EWL 0.9 WRA 7 33 35	5	1080	968	-13506	1080	968	-13506
			20	8941	130	726	8941	130	726
			21	7774	487	734	7774	487	734
			22	5416	685	530	5416	685	530
			23	2438	1540	-15252	2438	1540	-15252
			24	2440	1542	-15254	2440	1542	-15254
			25	2443	1545	-15257	2443	1545	-15257
			30	7231	776	584	7231	776	584
			31	7149	505	703	7149	505	703
			32	5674	313	611	5674	313	611
		NL3 Br. Lc 1a EWL 0.9 WRB 5 23 25	7	1081	969	-13505	1081	969	-13505
			20	8925	131	725	8925	131	725
			21	7754	487	732	7754	487	732
			22	5397	684	528	5397	684	528
			30	7208	775	583	7208	775	583
			31	7129	505	701	7129	505	701
			32	5661	314	609	5661	314	609
			33	2438	1540	-15251	2438	1540	-15251
			34	2441	1543	-15254	2441	1543	-15254
			35	2443	1545	-15257	2443	1545	-15257
		NL3 Br. Lc 1a EWL 0.9 WRB 7 33 35	5	1080	968	-13505	1080	968	-13505
			20	8925	131	725	8925	131	725
			21	7754	487	732	7754	487	732
			22	5397	684	528	5397	684	528
			23	2438	1539	-15250	2438	1539	-15250
			24	2440	1542	-15253	2440	1542	-15253
			25	2443	1545	-15256	2443	1545	-15256
			30	7208	775	583	7208	775	583
			31	7129	505	701	7129	505	701
			32	5661	314	609	5661	314	609
		NL3 Br. Lc 1b Cold 0.9 WLA 5 23 25	7	1080	-440	-11725	1080	-440	-11725
			20	18501	-1353	1658	18501	-1353	1658
			21	16217	-544	1723	16217	-544	1723
			22	8081	-218	899	8081	-218	899
			30	18054	281	1692	18054	281	1692
			31	13040	-506	1441	13040	-506	1441
			32	5607	-713	602	5607	-713	602

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1b Cold 0.9 WLA 5 23 25	33	2438	-987	-13709	2438	-987	-13709
			34	2440	-988	-13701	2440	-988	-13701
			35	2443	-989	-13692	2443	-989	-13692
		NL3 Br. Lc 1b Cold 0.9 WLA 7 33 35	5	1080	-440	-11726	1080	-440	-11726
			20	18501	-1353	1658	18501	-1353	1658
			21	16217	-544	1723	16217	-544	1723
			22	8081	-218	899	8081	-218	899
			23	2437	-987	-13710	2437	-987	-13710
			24	2440	-988	-13702	2440	-988	-13702
			25	2442	-989	-13694	2442	-989	-13694
			30	18054	281	1692	18054	281	1692
			31	13040	-506	1441	13040	-506	1441
			32	5607	-713	602	5607	-713	602
		NL3 Br. Lc 1b Cold 0.9 WLB 5 23 25	7	1080	-440	-11725	1080	-440	-11725
			20	18513	-1354	1659	18513	-1354	1659
			21	16234	-544	1725	16234	-544	1725
			22	8101	-217	902	8101	-217	902
			30	18066	281	1693	18066	281	1693
			31	13063	-506	1443	13063	-506	1443
			32	5629	-714	604	5629	-714	604
			33	2438	-987	-13709	2438	-987	-13709
			34	2440	-988	-13700	2440	-988	-13700
			35	2443	-989	-13692	2443	-989	-13692
		NL3 Br. Lc 1b Cold 0.9 WLB 7 33 35	5	1080	-440	-11726	1080	-440	-11726
			20	18513	-1354	1659	18513	-1354	1659
			21	16234	-544	1725	16234	-544	1725
			22	8101	-217	902	8101	-217	902
			23	2437	-987	-13710	2437	-987	-13710
			24	2440	-988	-13702	2440	-988	-13702
			25	2442	-989	-13694	2442	-989	-13694
			30	18066	281	1693	18066	281	1693
			31	13063	-506	1443	13063	-506	1443
			32	5629	-714	604	5629	-714	604
		NL3 Br. Lc 1b Cold 0.9 WRA 5 23 25	7	1080	292	-11730	1080	292	-11730
			20	19401	-381	1746	19401	-381	1746
			21	16288	474	1731	16288	474	1731
			22	6930	761	740	6930	761	740
			30	17083	1251	1593	17083	1251	1593
			31	13053	514	1442	13053	514	1442
			32	6580	279	747	6580	279	747
			33	2438	813	-13714	2438	813	-13714
			34	2440	814	-13706	2440	814	-13706
			35	2443	815	-13697	2443	815	-13697
		NL3 Br. Lc 1b Cold 0.9 WRA 7 33 35	5	1080	292	-11731	1080	292	-11731
			20	19401	-381	1746	19401	-381	1746
			21	16288	474	1731	16288	474	1731
			22	6930	761	740	6930	761	740
			23	2437	813	-13715	2437	813	-13715
			24	2440	814	-13707	2440	814	-13707
			25	2442	815	-13699	2442	815	-13699
			30	17083	1251	1593	17083	1251	1593
			31	13053	514	1442	13053	514	1442
			32	6580	279	747	6580	279	747
		NL3 Br. Lc 1b Cold 0.9 WRB 5 23 25	7	1080	292	-11730	1080	292	-11730
			20	19391	-381	1745	19391	-381	1745
			21	16271	474	1730	16271	474	1730
			22	6903	759	737	6903	759	737
			30	17068	1251	1592	17068	1251	1592
			31	13031	514	1440	13031	514	1440
			32	6563	280	745	6563	280	745
			33	2438	813	-13714	2438	813	-13714
			34	2440	814	-13706	2440	814	-13706
			35	2443	815	-13697	2443	815	-13697
		NL3 Br. Lc 1b Cold 0.9 WRB 7 33 35	5	1080	292	-11731	1080	292	-11731
			20	19391	-381	1745	19391	-381	1745
			21	16271	474	1730	16271	474	1730
			22	6903	759	737	6903	759	737
			23	2437	813	-13715	2437	813	-13715
			24	2440	814	-13707	2440	814	-13707
			25	2442	815	-13699	2442	815	-13699
			30	17068	1251	1592	17068	1251	1592
			31	13031	514	1440	13031	514	1440
			32	6563	280	745	6563	280	745
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 5 23	7	4013	-1534	-31640	4013	-1534	-31640
			20	10659	-937	882	10659	-937	882
			21	10308	-508	1017	10308	-508	1017
			22	7173	-243	756	7173	-243	756
			30	11726	-5	1034	11726	-5	1034
			31	9023	-487	923	9023	-487	923

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 5 23	32	5359	-674	542	5359	-674	542
			33	5708	-1944	-35692	5708	-1944	-35692
			34	5719	-1947	-35716	5719	-1947	-35716
			35	5729	-1950	-35739	5729	-1950	-35739
		NL3 Br. Lc 3 Wind + ice 0.9 WLA 7 33	5	4012	-1534	-31637	4012	-1534	-31637
			20	10659	-937	882	10659	-937	882
			21	10308	-508	1017	10308	-508	1017
			22	7173	-243	756	7173	-243	756
			23	5708	-1944	-35691	5708	-1944	-35691
			24	5717	-1946	-35712	5717	-1946	-35712
			25	5727	-1949	-35734	5727	-1949	-35734
			30	11726	-5	1034	11726	-5	1034
			31	9023	-487	923	9023	-487	923
			32	5359	-674	542	5359	-674	542
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 5 23	7	4013	-1534	-31640	4013	-1534	-31640
			20	10687	-938	884	10687	-938	884
			21	10335	-508	1020	10335	-508	1020
			22	7191	-243	758	7191	-243	758
			30	11745	-4	1035	11745	-4	1035
			31	9050	-487	926	9050	-487	926
			32	5380	-674	545	5380	-674	545
			33	5708	-1944	-35692	5708	-1944	-35692
			34	5719	-1946	-35715	5719	-1946	-35715
			35	5729	-1949	-35739	5729	-1949	-35739
		NL3 Br. Lc 3 Wind + ice 0.9 WLB 7 33	5	4012	-1534	-31637	4012	-1534	-31637
			20	10687	-938	884	10687	-938	884
			21	10335	-508	1020	10335	-508	1020
			22	7191	-243	758	7191	-243	758
			23	5708	-1943	-35690	5708	-1943	-35690
			24	5717	-1946	-35712	5717	-1946	-35712
			25	5727	-1949	-35733	5727	-1949	-35733
			30	11745	-4	1035	11745	-4	1035
			31	9050	-487	926	9050	-487	926
			32	5380	-674	545	5380	-674	545
		NL3 Br. Lc 3 Wind + ice 0.9 WRA 5 23	7	4013	1134	-31657	4013	1134	-31657
			20	12458	-53	1057	12458	-53	1057
			21	10418	467	1030	10418	467	1030
			22	6098	696	606	6098	696	606
			30	10034	889	860	10034	889	860
			31	9038	492	924	9038	492	924
			32	6294	277	683	6294	277	683
			33	5708	1490	-35709	5708	1490	-35709
			34	5719	1494	-35732	5719	1494	-35732
			35	5729	1497	-35755	5729	1497	-35755
		NL3 Br. Lc 3 Wind + ice 0.9 WRA 7 33	5	4012	1133	-31654	4012	1133	-31654
			20	12458	-53	1057	12458	-53	1057
			21	10418	467	1030	10418	467	1030
			22	6098	696	606	6098	696	606
			23	5708	1490	-35707	5708	1490	-35707
			24	5717	1493	-35728	5717	1493	-35728
			25	5727	1496	-35750	5727	1496	-35750
			30	10034	889	860	10034	889	860
			31	9038	492	924	9038	492	924
			32	6294	277	683	6294	277	683
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 5 23	7	4013	1133	-31656	4013	1133	-31656
			20	12441	-52	1056	12441	-52	1056
			21	10392	467	1027	10392	467	1027
			22	6073	695	603	6073	695	603
			30	10005	888	857	10005	888	857
			31	9012	492	922	9012	492	922
			32	6278	278	682	6278	278	682
			33	5708	1490	-35708	5708	1490	-35708
			34	5719	1493	-35732	5719	1493	-35732
			35	5729	1496	-35755	5729	1496	-35755
		NL3 Br. Lc 3 Wind + ice 0.9 WRB 7 33	5	4012	1133	-31654	4012	1133	-31654
			20	12441	-52	1056	12441	-52	1056
			21	10392	467	1027	10392	467	1027
			22	6073	695	603	6073	695	603
			23	5708	1490	-35707	5708	1490	-35707
			24	5717	1493	-35728	5717	1493	-35728
			25	5727	1496	-35750	5727	1496	-35750
			30	10005	888	857	10005	888	857
			31	9012	492	922	9012	492	922
			32	6278	278	682	6278	278	682
		NL3 Br. Lc 4 Con & Main 0.9 WLA 5 2	7	1080	-395	-10281	1080	-395	-10281
			20	6687	-723	505	6687	-723	505
			21	7015	-477	645	7015	-477	645
			22	5799	-275	585	5799	-275	585
			30	7900	-158	654	7900	-158	654

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 4 Con & Main 0.9 WLA 5 2	31	6526	-464	625	6526	-464	625
			32	4558	-616	443	4558	-616	443
			33	2437	-884	-11597	2437	-884	-11597
			34	2440	-885	-11596	2440	-885	-11596
			35	2442	-886	-11596	2442	-886	-11596
		NL3 Br. Lc 4 Con & Main 0.9 WLA 7 3	5	1080	-395	-10281	1080	-395	-10281
			20	6687	-723	505	6687	-723	505
			21	7015	-477	645	7015	-477	645
			22	5799	-275	585	5799	-275	585
			23	2437	-884	-11597	2437	-884	-11597
			24	2439	-885	-11596	2439	-885	-11596
			25	2442	-885	-11596	2442	-885	-11596
			30	7900	-158	654	7900	-158	654
			31	6526	-464	625	6526	-464	625
			32	4558	-616	443	4558	-616	443
		NL3 Br. Lc 4 Con & Main 0.9 WLB 5 2	7	1080	-395	-10281	1080	-395	-10281
			20	6711	-724	507	6711	-724	507
			21	7035	-477	647	7035	-477	647
			22	5817	-274	587	5817	-274	587
			30	7916	-157	655	7916	-157	655
			31	6546	-464	628	6546	-464	628
			32	4574	-616	445	4574	-616	445
			33	2437	-884	-11597	2437	-884	-11597
			34	2440	-885	-11596	2440	-885	-11596
			35	2442	-885	-11596	2442	-885	-11596
		NL3 Br. Lc 4 Con & Main 0.9 WLB 7 3	5	1080	-395	-10281	1080	-395	-10281
			20	6711	-724	507	6711	-724	507
			21	7035	-477	647	7035	-477	647
			22	5817	-274	587	5817	-274	587
			23	2437	-884	-11597	2437	-884	-11597
			24	2439	-885	-11596	2439	-885	-11596
			25	2442	-885	-11596	2442	-885	-11596
			30	7916	-157	655	7916	-157	655
			31	6546	-464	628	6546	-464	628
			32	4574	-616	445	4574	-616	445
		NL3 Br. Lc 4 Con & Main 0.9 WRA 5 1	7	1080	264	-10285	1080	264	-10285
			20	8219	128	655	8219	128	655
			21	7103	451	655	7103	451	655
			22	4983	627	471	4983	627	471
			30	6525	705	512	6525	705	512
			31	6537	467	627	6537	467	627
			32	5280	294	553	5280	294	553
			33	2437	737	-11602	2437	737	-11602
			34	2440	738	-11601	2440	738	-11601
			35	2442	739	-11601	2442	739	-11601
		NL3 Br. Lc 4 Con & Main 0.9 WRA 7 1	5	1080	264	-10285	1080	264	-10285
			20	8219	128	655	8219	128	655
			21	7103	451	655	7103	451	655
			22	4983	627	471	4983	627	471
			23	2437	737	-11602	2437	737	-11602
			24	2439	738	-11601	2439	738	-11601
			25	2442	738	-11601	2442	738	-11601
			30	6525	705	512	6525	705	512
			31	6537	467	627	6537	467	627
			32	5280	294	553	5280	294	553
		NL3 Br. Lc 4 Con & Main 0.9 WRB 5 2	7	1080	264	-10285	1080	264	-10285
			20	8203	129	654	8203	129	654
			21	7082	451	653	7082	451	653
			22	4964	627	469	4964	627	469
			30	6501	704	510	6501	704	510
			31	6517	467	625	6517	467	625
			32	5273	294	552	5273	294	552
			33	2437	737	-11601	2437	737	-11601
			34	2440	738	-11601	2440	738	-11601
			35	2442	739	-11600	2442	739	-11600
		NL3 Br. Lc 4 Con & Main 0.9 WRB 7 3	5	1080	264	-10285	1080	264	-10285
			20	8203	129	654	8203	129	654
			21	7082	451	653	7082	451	653
			22	4964	627	469	4964	627	469
			23	2437	737	-11601	2437	737	-11601
			24	2439	737	-11601	2439	737	-11601
			25	2442	738	-11601	2442	738	-11601
			30	6501	704	510	6501	704	510
			31	6517	467	625	6517	467	625
			32	5273	294	552	5273	294	552
		NL3 Br. Lc 1a EWL WLA 1 20 22 50	5	1440	-1151	-15326	1440	-1151	-15326
			7	1440	-1151	-15327	1440	-1151	-15327
			23	3250	-1746	-17216	3250	-1746	-17216
			24	3253	-1748	-17220	3253	-1748	-17220

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1a EWL WLA 1 20 22 50	25	3256	-1751	-17225	3256	-1751	-17225
			30	9124	-160	731	9124	-160	731
			31	7641	-502	705	7641	-502	705
			32	5402	-672	497	5402	-672	497
			33	3250	-1746	-17216	3250	-1746	-17216
			34	3253	-1749	-17221	3253	-1749	-17221
			35	3257	-1751	-17226	3257	-1751	-17226
		NL3 Br. Lc 1a EWL WLA 3 30 32 52	5	1440	-1151	-15326	1440	-1151	-15326
			7	1440	-1151	-15327	1440	-1151	-15327
			20	7896	-797	576	7896	-797	576
			21	8186	-517	726	8186	-517	726
			22	6789	-290	655	6789	-290	655
			23	3250	-1746	-17216	3250	-1746	-17216
			24	3253	-1748	-17220	3253	-1748	-17220
			25	3256	-1751	-17225	3256	-1751	-17225
			33	3250	-1746	-17216	3250	-1746	-17216
			34	3253	-1749	-17221	3253	-1749	-17221
			35	3257	-1751	-17226	3257	-1751	-17226
		NL3 Br. Lc 1a EWL WLA Ah	20	7896	-797	576	7896	-797	576
			21	8186	-517	726	8186	-517	726
			22	6789	-290	655	6789	-290	655
			30	9124	-160	731	9124	-160	731
			31	7641	-502	705	7641	-502	705
			32	5402	-672	497	5402	-672	497
		NL3 Br. Lc 1a EWL WLB 1 20 22 50	5	1440	-1151	-15325	1440	-1151	-15325
			7	1440	-1151	-15326	1440	-1151	-15326
			23	3250	-1746	-17215	3250	-1746	-17215
			24	3253	-1748	-17219	3253	-1748	-17219
			25	3256	-1751	-17224	3256	-1751	-17224
			30	9140	-159	732	9140	-159	732
			31	7662	-502	707	7662	-502	707
			32	5420	-673	499	5420	-673	499
			33	3250	-1746	-17215	3250	-1746	-17215
			34	3253	-1749	-17220	3253	-1749	-17220
			35	3257	-1751	-17225	3257	-1751	-17225
		NL3 Br. Lc 1a EWL WLB 3 30 32 52	5	1440	-1151	-15325	1440	-1151	-15325
			7	1440	-1151	-15326	1440	-1151	-15326
			20	7920	-798	578	7920	-798	578
			21	8208	-517	728	8208	-517	728
			22	6804	-290	656	6804	-290	656
			23	3250	-1746	-17215	3250	-1746	-17215
			24	3253	-1748	-17219	3253	-1748	-17219
			25	3256	-1751	-17224	3256	-1751	-17224
			33	3250	-1746	-17215	3250	-1746	-17215
			34	3253	-1749	-17220	3253	-1749	-17220
			35	3257	-1751	-17225	3257	-1751	-17225
		NL3 Br. Lc 1a EWL WLB Ah	20	7920	-798	578	7920	-798	578
			21	8208	-517	728	8208	-517	728
			22	6804	-290	656	6804	-290	656
			30	9140	-159	732	9140	-159	732
			31	7662	-502	707	7662	-502	707
			32	5420	-673	499	5420	-673	499
		NL3 Br. Lc 1a EWL WRA 1 20 22 50	5	1440	957	-15339	1440	957	-15339
			7	1440	957	-15340	1440	957	-15340
			23	3250	1527	-17231	3250	1527	-17231
			24	3253	1530	-17236	3253	1530	-17236
			25	3256	1532	-17240	3256	1532	-17240
			30	7709	777	584	7709	777	584
			31	7654	506	706	7654	506	706
			32	6193	311	616	6193	311	616
			33	3250	1527	-17231	3250	1527	-17231
			34	3253	1530	-17236	3253	1530	-17236
			35	3257	1533	-17241	3257	1533	-17241
		NL3 Br. Lc 1a EWL WRA 3 30 32 52	5	1440	957	-15339	1440	957	-15339
			7	1440	957	-15340	1440	957	-15340
			20	9462	128	730	9462	128	730
			21	8279	488	736	8279	488	736
			22	5912	686	532	5912	686	532
			23	3250	1527	-17231	3250	1527	-17231
			24	3253	1530	-17236	3253	1530	-17236
			25	3256	1532	-17240	3256	1532	-17240
			33	3250	1527	-17231	3250	1527	-17231
			34	3253	1530	-17236	3253	1530	-17236
			35	3257	1533	-17241	3257	1533	-17241
		NL3 Br. Lc 1a EWL WRA Ah	20	9462	128	730	9462	128	730
			21	8279	488	736	8279	488	736
			22	5912	686	532	5912	686	532
			30	7709	777	584	7709	777	584
			31	7654	506	706	7654	506	706

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1a EWL WRA Ah	32	6193	311	616	6193	311	616
		NL3 Br. Lc 1a EWL WRB 1 20 22 50	5	1440	957	-15339	1440	957	-15339
			7	1440	957	-15339	1440	957	-15339
			23	3250	1527	-17230	3250	1527	-17230
			24	3253	1530	-17235	3253	1530	-17235
			25	3256	1532	-17239	3256	1532	-17239
			30	7685	776	582	7685	776	582
			31	7633	506	704	7633	506	704
			32	6179	312	615	6179	312	615
			33	3250	1527	-17230	3250	1527	-17230
			34	3253	1530	-17235	3253	1530	-17235
			35	3257	1533	-17241	3257	1533	-17241
		NL3 Br. Lc 1a EWL WRB 3 30 32 52	5	1440	957	-15339	1440	957	-15339
			7	1440	957	-15339	1440	957	-15339
			20	9446	129	729	9446	129	729
			21	8257	488	735	8257	488	735
			22	5892	685	530	5892	685	530
			23	3250	1527	-17230	3250	1527	-17230
			24	3253	1530	-17235	3253	1530	-17235
			25	3256	1532	-17239	3256	1532	-17239
			33	3250	1527	-17230	3250	1527	-17230
			34	3253	1530	-17235	3253	1530	-17235
			35	3257	1533	-17241	3257	1533	-17241
		NL3 Br. Lc 1a EWL WRB Ah	20	9446	129	729	9446	129	729
			21	8257	488	735	8257	488	735
			22	5892	685	530	5892	685	530
			30	7685	776	582	7685	776	582
			31	7633	506	704	7633	506	704
			32	6179	312	615	6179	312	615
		NL3 Br. Lc 1b Cold WLA 1 20 22 50	5	1440	-457	-14380	1440	-457	-14380
			7	1440	-457	-14380	1440	-457	-14380
			23	3249	-1006	-16625	3249	-1006	-16625
			24	3253	-1007	-16619	3253	-1007	-16619
			25	3256	-1007	-16614	3256	-1007	-16614
			30	18560	282	1695	18560	282	1695
			31	13544	-506	1444	13544	-506	1444
			32	6109	-714	605	6109	-714	605
			33	3250	-1006	-16624	3250	-1006	-16624
			34	3253	-1007	-16618	3253	-1007	-16618
			35	3257	-1007	-16613	3257	-1007	-16613
		NL3 Br. Lc 1b Cold WLA 3 30 32 52	5	1440	-457	-14380	1440	-457	-14380
			7	1440	-457	-14380	1440	-457	-14380
			20	18975	-1353	1658	18975	-1353	1658
			21	16712	-544	1725	16712	-544	1725
			22	8608	-216	906	8608	-216	906
			23	3249	-1006	-16625	3249	-1006	-16625
			24	3253	-1007	-16619	3253	-1007	-16619
			25	3256	-1007	-16614	3256	-1007	-16614
			33	3250	-1006	-16624	3250	-1006	-16624
			34	3253	-1007	-16618	3253	-1007	-16618
			35	3257	-1007	-16613	3257	-1007	-16613
		NL3 Br. Lc 1b Cold WLA Ah	20	18975	-1353	1658	18975	-1353	1658
			21	16712	-544	1725	16712	-544	1725
			22	8608	-216	906	8608	-216	906
			30	18560	282	1695	18560	282	1695
			31	13544	-506	1444	13544	-506	1444
			32	6109	-714	605	6109	-714	605
		NL3 Br. Lc 1b Cold WLA Ba	5	1440	-457	-14380	1440	-457	-14380
			7	1440	-457	-14380	1440	-457	-14380
			23	3249	-1006	-16625	3249	-1006	-16625
			24	3253	-1007	-16619	3253	-1007	-16619
			25	3256	-1007	-16614	3256	-1007	-16614
			33	3250	-1006	-16624	3250	-1006	-16624
			34	3253	-1007	-16618	3253	-1007	-16618
			35	3257	-1007	-16613	3257	-1007	-16613
		NL3 Br. Lc 1b Cold WLB 1 20 22 50	5	1440	-457	-14380	1440	-457	-14380
			7	1440	-457	-14380	1440	-457	-14380
			23	3249	-1006	-16624	3249	-1006	-16624
			24	3253	-1006	-16619	3253	-1006	-16619
			25	3256	-1007	-16614	3256	-1007	-16614
			30	18572	282	1696	18572	282	1696
			31	13568	-506	1447	13568	-506	1447
			32	6132	-715	608	6132	-715	608
			33	3250	-1006	-16624	3250	-1006	-16624
			34	3253	-1007	-16618	3253	-1007	-16618
			35	3257	-1007	-16612	3257	-1007	-16612
		NL3 Br. Lc 1b Cold WLB 3 30 32 52	5	1440	-457	-14380	1440	-457	-14380
			7	1440	-457	-14380	1440	-457	-14380

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1b Cold WLB 3 30 32 52	20	18988	-1354	1659	18988	-1354	1659
			21	16729	-544	1727	16729	-544	1727
			22	8628	-215	908	8628	-215	908
			23	3249	-1006	-16624	3249	-1006	-16624
			24	3253	-1006	-16619	3253	-1006	-16619
			25	3256	-1007	-16614	3256	-1007	-16614
			33	3250	-1006	-16624	3250	-1006	-16624
			34	3253	-1007	-16618	3253	-1007	-16618
			35	3257	-1007	-16612	3257	-1007	-16612
		NL3 Br. Lc 1b Cold WLB Ah	20	18988	-1354	1659	18988	-1354	1659
			21	16729	-544	1727	16729	-544	1727
			22	8628	-215	908	8628	-215	908
			30	18572	282	1696	18572	282	1696
			31	13568	-506	1447	13568	-506	1447
			32	6132	-715	608	6132	-715	608
		NL3 Br. Lc 1b Cold WLB Ba	5	1440	-457	-14380	1440	-457	-14380
			7	1440	-457	-14380	1440	-457	-14380
			23	3249	-1006	-16624	3249	-1006	-16624
			24	3253	-1006	-16619	3253	-1006	-16619
			25	3256	-1007	-16614	3256	-1007	-16614
			33	3250	-1006	-16624	3250	-1006	-16624
			34	3253	-1007	-16618	3253	-1007	-16618
			35	3257	-1007	-16612	3257	-1007	-16612
		NL3 Br. Lc 1b Cold WRA 1 20 22 50	5	1440	275	-14385	1440	275	-14385
			7	1440	275	-14384	1440	275	-14384
			23	3249	795	-16630	3249	795	-16630
			24	3253	796	-16624	3253	796	-16624
			25	3256	797	-16619	3256	797	-16619
			30	17560	1251	1593	17560	1251	1593
			31	13558	514	1445	13558	514	1445
			32	7104	277	753	7104	277	753
			33	3250	795	-16629	3250	795	-16629
			34	3253	796	-16624	3253	796	-16624
			35	3257	797	-16618	3257	797	-16618
		NL3 Br. Lc 1b Cold WRA 3 30 32 52	5	1440	275	-14385	1440	275	-14385
			7	1440	275	-14384	1440	275	-14384
			20	19905	-383	1748	19905	-383	1748
			21	16784	474	1734	16784	474	1734
			22	7428	762	743	7428	762	743
			23	3249	795	-16630	3249	795	-16630
			24	3253	796	-16624	3253	796	-16624
			25	3256	797	-16619	3256	797	-16619
			33	3250	795	-16629	3250	795	-16629
			34	3253	796	-16624	3253	796	-16624
			35	3257	797	-16618	3257	797	-16618
		NL3 Br. Lc 1b Cold WRA Ah	20	19905	-383	1748	19905	-383	1748
			21	16784	474	1734	16784	474	1734
			22	7428	762	743	7428	762	743
			30	17560	1251	1593	17560	1251	1593
			31	13558	514	1445	13558	514	1445
			32	7104	277	753	7104	277	753
		NL3 Br. Lc 1b Cold WRA Ba	5	1440	275	-14385	1440	275	-14385
			7	1440	275	-14384	1440	275	-14384
			23	3249	795	-16630	3249	795	-16630
			24	3253	796	-16624	3253	796	-16624
			25	3256	797	-16619	3256	797	-16619
			33	3250	795	-16629	3250	795	-16629
			34	3253	796	-16624	3253	796	-16624
			35	3257	797	-16618	3257	797	-16618
		NL3 Br. Lc 1b Cold WRB 1 20 22 50	5	1440	275	-14385	1440	275	-14385
			7	1440	275	-14384	1440	275	-14384
			23	3249	795	-16630	3249	795	-16630
			24	3253	796	-16624	3253	796	-16624
			25	3256	797	-16619	3256	797	-16619
			30	17544	1251	1591	17544	1251	1591
			31	13534	514	1443	13534	514	1443
			32	7087	278	751	7087	278	751
			33	3250	795	-16629	3250	795	-16629
			34	3253	796	-16623	3253	796	-16623
			35	3257	797	-16618	3257	797	-16618
		NL3 Br. Lc 1b Cold WRB 3 30 32 52	5	1440	275	-14385	1440	275	-14385
			7	1440	275	-14384	1440	275	-14384
			20	19894	-382	1747	19894	-382	1747
			21	16767	474	1732	16767	474	1732
			22	7401	761	740	7401	761	740
			23	3249	795	-16630	3249	795	-16630
			24	3253	796	-16624	3253	796	-16624
			25	3256	797	-16619	3256	797	-16619
			33	3250	795	-16629	3250	795	-16629

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 1b Cold WRB 3 30 32 52	34	3253	796	-16623	3253	796	-16623
			35	3257	797	-16618	3257	797	-16618
		NL3 Br. Lc 1b Cold WRB Ah	20	19894	-382	1747	19894	-382	1747
			21	16767	474	1732	16767	474	1732
			22	7401	761	740	7401	761	740
			30	17544	1251	1591	17544	1251	1591
			31	13534	514	1443	13534	514	1443
			32	7087	278	751	7087	278	751
		NL3 Br. Lc 1b Cold WRB Ba	5	1440	275	-14385	1440	275	-14385
			7	1440	275	-14384	1440	275	-14384
			23	3249	795	-16630	3249	795	-16630
			24	3253	796	-16624	3253	796	-16624
			25	3256	797	-16619	3256	797	-16619
			33	3250	795	-16629	3250	795	-16629
			34	3253	796	-16623	3253	796	-16623
			35	3257	797	-16618	3257	797	-16618
		NL3 Br. Lc 3 Wind + ice WLA 1 20 22	5	2437	-1385	-22613	2437	-1385	-22613
			7	2437	-1386	-22614	2437	-1386	-22614
			23	4362	-1823	-25101	4362	-1823	-25101
			24	4367	-1826	-25110	4367	-1826	-25110
			25	4373	-1828	-25119	4373	-1828	-25119
			30	12072	-8	1028	12072	-8	1028
			31	9389	-488	920	9389	-488	920
			32	5721	-673	538	5721	-673	538
			33	4362	-1823	-25102	4362	-1823	-25102
			34	4368	-1826	-25112	4368	-1826	-25112
			35	4374	-1829	-25121	4374	-1829	-25121
		NL3 Br. Lc 3 Wind + ice WLA 3 30 32	5	2437	-1385	-22613	2437	-1385	-22613
			7	2437	-1386	-22614	2437	-1386	-22614
			20	11095	-940	886	11095	-940	886
			21	10685	-509	1015	10685	-509	1015
			22	7505	-247	748	7505	-247	748
			23	4362	-1823	-25101	4362	-1823	-25101
			24	4367	-1826	-25110	4367	-1826	-25110
			25	4373	-1828	-25119	4373	-1828	-25119
			33	4362	-1823	-25102	4362	-1823	-25102
			34	4368	-1826	-25112	4368	-1826	-25112
			35	4374	-1829	-25121	4374	-1829	-25121
		NL3 Br. Lc 3 Wind + ice WLA Ah	20	11545	-977	922	11545	-977	922
			21	11217	-530	1068	11217	-530	1068
			22	7994	-249	803	7994	-249	803
			30	12653	-3	1079	12653	-3	1079
			31	9918	-507	975	9918	-507	975
			32	6069	-706	577	6069	-706	577
		NL3 Br. Lc 3 Wind + ice WLA Ba	5	4371	-2184	-34522	4371	-2184	-34522
			7	4373	-2184	-34525	4373	-2184	-34525
			23	6520	-2569	-38776	6520	-2569	-38776
			24	6530	-2573	-38802	6530	-2573	-38802
			25	6540	-2577	-38827	6540	-2577	-38827
			33	6521	-2570	-38779	6521	-2570	-38779
			34	6532	-2574	-38806	6532	-2574	-38806
			35	6543	-2578	-38833	6543	-2578	-38833
		NL3 Br. Lc 3 Wind + ice WLB 1 20 22	5	2437	-1385	-22612	2437	-1385	-22612
			7	2437	-1386	-22613	2437	-1386	-22613
			23	4362	-1823	-25101	4362	-1823	-25101
			24	4367	-1826	-25110	4367	-1826	-25110
			25	4373	-1828	-25118	4373	-1828	-25118
			30	12090	-7	1030	12090	-7	1030
			31	9414	-488	922	9414	-488	922
			32	5742	-674	541	5742	-674	541
			33	4362	-1823	-25101	4362	-1823	-25101
			34	4368	-1826	-25111	4368	-1826	-25111
			35	4374	-1829	-25121	4374	-1829	-25121
		NL3 Br. Lc 3 Wind + ice WLB 3 30 32	5	2437	-1385	-22612	2437	-1385	-22612
			7	2437	-1386	-22613	2437	-1386	-22613
			20	11122	-941	888	11122	-941	888
			21	10710	-509	1018	10710	-509	1018
			22	7522	-246	749	7522	-246	749
			23	4362	-1823	-25101	4362	-1823	-25101
			24	4367	-1826	-25110	4367	-1826	-25110
			25	4373	-1828	-25118	4373	-1828	-25118
			33	4362	-1823	-25101	4362	-1823	-25101
			34	4368	-1826	-25111	4368	-1826	-25111
			35	4374	-1829	-25121	4374	-1829	-25121
		NL3 Br. Lc 3 Wind + ice WLB Ah	20	11574	-979	924	11574	-979	924
			21	11244	-530	1070	11244	-530	1070
			22	8014	-248	805	8014	-248	805
			30	12672	-2	1081	12672	-2	1081

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

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Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice WLB Ah	31	9945	-507	978	9945	-507	978
			32	6092	-707	579	6092	-707	579
		NL3 Br. Lc 3 Wind + ice WLB Ba	5	4371	-2183	-34521	4371	-2183	-34521
			7	4373	-2184	-34524	4373	-2184	-34524
			23	6520	-2569	-38776	6520	-2569	-38776
			24	6530	-2573	-38801	6530	-2573	-38801
			25	6540	-2577	-38827	6540	-2577	-38827
			33	6521	-2569	-38778	6521	-2569	-38778
			34	6532	-2574	-38805	6532	-2574	-38805
			35	6543	-2578	-38833	6543	-2578	-38833
		NL3 Br. Lc 3 Wind + ice WRA 1 20 22	5	2437	1099	-22628	2437	1099	-22628
			7	2437	1099	-22630	2437	1099	-22630
			23	4362	1504	-25117	4362	1504	-25117
			24	4367	1507	-25126	4367	1507	-25126
			25	4373	1510	-25135	4373	1510	-25135
			30	10462	892	863	10462	892	863
			31	9403	493	921	9403	493	921
			32	6624	281	674	6624	281	674
			33	4362	1505	-25117	4362	1505	-25117
			34	4368	1508	-25127	4368	1508	-25127
			35	4374	1511	-25137	4374	1511	-25137
		NL3 Br. Lc 3 Wind + ice WRA 3 30 32	5	2437	1099	-22628	2437	1099	-22628
			7	2437	1099	-22630	2437	1099	-22630
			20	12805	-49	1052	12805	-49	1052
			21	10789	468	1027	10789	468	1027
			22	6471	696	604	6471	696	604
			23	4362	1504	-25117	4362	1504	-25117
			24	4367	1507	-25126	4367	1507	-25126
			25	4373	1510	-25135	4373	1510	-25135
			33	4362	1505	-25117	4362	1505	-25117
			34	4368	1508	-25127	4368	1508	-25127
			35	4374	1511	-25137	4374	1511	-25137
		NL3 Br. Lc 3 Wind + ice WRA Ah	20	13380	-55	1100	13380	-55	1100
			21	11328	486	1080	11328	486	1080
			22	6865	730	645	6865	730	645
			30	10929	929	902	10929	929	902
			31	9933	512	976	9933	512	976
			32	7054	285	725	7054	285	725
		NL3 Br. Lc 3 Wind + ice WRA Ba	5	4371	1746	-34547	4371	1746	-34547
			7	4373	1747	-34550	4373	1747	-34550
			23	6520	2077	-38800	6520	2077	-38800
			24	6530	2081	-38826	6530	2081	-38826
			25	6540	2085	-38851	6540	2085	-38851
			33	6521	2077	-38802	6521	2077	-38802
			34	6532	2082	-38830	6532	2082	-38830
			35	6543	2086	-38857	6543	2086	-38857
		NL3 Br. Lc 3 Wind + ice WRB 1 20 22	5	2437	1099	-22628	2437	1099	-22628
			7	2437	1099	-22629	2437	1099	-22629
			23	4362	1504	-25116	4362	1504	-25116
			24	4367	1507	-25125	4367	1507	-25125
			25	4373	1510	-25134	4373	1510	-25134
			30	10434	891	861	10434	891	861
			31	9378	493	918	9378	493	918
			32	6609	282	673	6609	282	673
			33	4362	1504	-25117	4362	1504	-25117
			34	4368	1507	-25126	4368	1507	-25126
			35	4374	1510	-25136	4374	1510	-25136
		NL3 Br. Lc 3 Wind + ice WRB 3 30 32	5	2437	1099	-22628	2437	1099	-22628
			7	2437	1099	-22629	2437	1099	-22629
			20	12788	-48	1051	12788	-48	1051
			21	10764	468	1025	10764	468	1025
			22	6447	695	601	6447	695	601
			23	4362	1504	-25116	4362	1504	-25116
			24	4367	1507	-25125	4367	1507	-25125
			25	4373	1510	-25134	4373	1510	-25134
			33	4362	1504	-25117	4362	1504	-25117
			34	4368	1507	-25126	4368	1507	-25126
			35	4374	1510	-25136	4374	1510	-25136
		NL3 Br. Lc 3 Wind + ice WRB Ah	20	13362	-54	1099	13362	-54	1099
			21	11302	486	1078	11302	486	1078
			22	6839	729	642	6839	729	642
			30	10899	928	900	10899	928	900
			31	9906	512	974	9906	512	974
			32	7037	285	723	7037	285	723
		NL3 Br. Lc 3 Wind + ice WRB Ba	5	4371	1746	-34546	4371	1746	-34546
			7	4373	1746	-34549	4373	1746	-34549
			23	6520	2077	-38800	6520	2077	-38800
			24	6530	2081	-38825	6530	2081	-38825

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 3 Wind + ice WRB Ba	25	6540	2085	-38851	6540	2085	-38851
			33	6521	2077	-38802	6521	2077	-38802
			34	6532	2081	-38829	6532	2081	-38829
			35	6543	2086	-38857	6543	2086	-38857
		NL3 Br. Lc 4 Con & Main WLA 1 20 22	5	1439	-411	-12847	1439	-411	-12847
			7	1440	-411	-12847	1440	-411	-12847
			23	3249	-901	-14355	3249	-901	-14355
			24	3252	-902	-14357	3252	-902	-14357
			25	3255	-903	-14359	3255	-903	-14359
			30	8422	-156	658	8422	-156	658
			31	7036	-464	629	7036	-464	629
			32	5064	-617	446	5064	-617	446
			33	3249	-901	-14355	3249	-901	-14355
			34	3253	-902	-14357	3253	-902	-14357
			35	3256	-903	-14359	3256	-903	-14359
		NL3 Br. Lc 4 Con & Main WLA 3 30 32	5	1439	-411	-12847	1439	-411	-12847
			7	1440	-411	-12847	1440	-411	-12847
			20	7169	-723	505	7169	-723	505
			21	7521	-478	648	7521	-478	648
			22	6321	-273	590	6321	-273	590
			23	3249	-901	-14355	3249	-901	-14355
			24	3252	-902	-14357	3252	-902	-14357
			25	3255	-903	-14359	3255	-903	-14359
			33	3249	-901	-14355	3249	-901	-14355
			34	3253	-902	-14357	3253	-902	-14357
			35	3256	-903	-14359	3256	-903	-14359
		NL3 Br. Lc 4 Con & Main WLA Ba	5	1439	-411	-12847	1439	-411	-12847
			7	1440	-411	-12847	1440	-411	-12847
			23	3249	-901	-14355	3249	-901	-14355
			24	3252	-902	-14357	3252	-902	-14357
			25	3255	-903	-14359	3255	-903	-14359
			33	3249	-901	-14355	3249	-901	-14355
			34	3253	-902	-14357	3253	-902	-14357
			35	3256	-903	-14359	3256	-903	-14359
		NL3 Br. Lc 4 Con & Main WLB 1 20 22	5	1439	-411	-12847	1439	-411	-12847
			7	1440	-411	-12847	1440	-411	-12847
			23	3249	-901	-14355	3249	-901	-14355
			24	3252	-902	-14357	3252	-902	-14357
			25	3255	-903	-14359	3255	-903	-14359
			30	8438	-155	660	8438	-155	660
			31	7056	-464	631	7056	-464	631
			32	5080	-618	448	5080	-618	448
			33	3249	-901	-14355	3249	-901	-14355
			34	3253	-902	-14357	3253	-902	-14357
			35	3256	-903	-14359	3256	-903	-14359
		NL3 Br. Lc 4 Con & Main WLB 3 30 32	5	1439	-411	-12847	1439	-411	-12847
			7	1440	-411	-12847	1440	-411	-12847
			20	7193	-724	507	7193	-724	507
			21	7543	-478	650	7543	-478	650
			22	6336	-273	592	6336	-273	592
			23	3249	-901	-14355	3249	-901	-14355
			24	3252	-902	-14357	3252	-902	-14357
			25	3255	-903	-14359	3255	-903	-14359
			33	3249	-901	-14355	3249	-901	-14355
			34	3253	-902	-14357	3253	-902	-14357
			35	3256	-903	-14359	3256	-903	-14359
		NL3 Br. Lc 4 Con & Main WLB Ba	5	1439	-411	-12847	1439	-411	-12847
			7	1440	-411	-12847	1440	-411	-12847
			23	3249	-901	-14355	3249	-901	-14355
			24	3252	-902	-14357	3252	-902	-14357
			25	3255	-903	-14359	3255	-903	-14359
			33	3249	-901	-14355	3249	-901	-14355
			34	3253	-902	-14357	3253	-902	-14357
			35	3256	-903	-14359	3256	-903	-14359
		NL3 Br. Lc 4 Con & Main WRA 1 20 2	5	1439	248	-12851	1439	248	-12851
			7	1440	248	-12851	1440	248	-12851
			23	3249	719	-14360	3249	719	-14360
			24	3252	720	-14362	3252	720	-14362
			25	3255	721	-14364	3255	721	-14364
			30	7011	705	513	7011	705	513
			31	7047	468	631	7047	468	631
			32	5803	292	559	5803	292	559
			33	3249	719	-14360	3249	719	-14360
			34	3253	720	-14362	3253	720	-14362
			35	3256	721	-14364	3256	721	-14364
		NL3 Br. Lc 4 Con & Main WRA 3 30 3	5	1439	248	-12851	1439	248	-12851
			7	1440	248	-12851	1440	248	-12851
			20	8741	126	659	8741	126	659
			21	7611	451	658	7611	451	658

Belastingen voor : Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum

Documentnummer : 74101611-035-179-A1

Structure nummer	Type	Belastings geval conform 50341-3	aangrijppunt isolator set	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Minimaal optredende belasting Verticaal (N)	Mininaal optredende dwarsbelasting (N)	Minimaal optredende belasting in lijnrichting (N)
		NL3 Br. Lc 4 Con & Main WRA 3 30 3	22	5493	629	475	5493	629	475
			23	3249	719	-14360	3249	719	-14360
			24	3252	720	-14362	3252	720	-14362
			25	3255	721	-14364	3255	721	-14364
			33	3249	719	-14360	3249	719	-14360
			34	3253	720	-14362	3253	720	-14362
			35	3256	721	-14364	3256	721	-14364
		NL3 Br. Lc 4 Con & Main WRA Ba	5	1439	248	-12851	1439	248	-12851
			7	1440	248	-12851	1440	248	-12851
			23	3249	719	-14360	3249	719	-14360
			24	3252	720	-14362	3252	720	-14362
			25	3255	721	-14364	3255	721	-14364
			33	3249	719	-14360	3249	719	-14360
			34	3253	720	-14362	3253	720	-14362
			35	3256	721	-14364	3256	721	-14364
		NL3 Br. Lc 4 Con & Main WRB 1 20 2	5	1439	248	-12851	1439	248	-12851
			7	1440	248	-12851	1440	248	-12851
			23	3249	719	-14360	3249	719	-14360
			24	3252	720	-14362	3252	720	-14362
			25	3255	721	-14364	3255	721	-14364
			30	6986	704	510	6986	704	510
			31	7027	468	628	7027	468	628
			32	5790	292	557	5790	292	557
			33	3249	719	-14360	3249	719	-14360
			34	3253	720	-14362	3253	720	-14362
			35	3256	721	-14364	3256	721	-14364
		NL3 Br. Lc 4 Con & Main WRB 3 30 3	5	1439	248	-12851	1439	248	-12851
			7	1440	248	-12851	1440	248	-12851
			20	8725	127	658	8725	127	658
			21	7591	452	656	7591	452	656
			22	5473	628	472	5473	628	472
			23	3249	719	-14360	3249	719	-14360
			24	3252	720	-14362	3252	720	-14362
			25	3255	721	-14364	3255	721	-14364
			33	3249	719	-14360	3249	719	-14360
			34	3253	720	-14362	3253	720	-14362
			35	3256	721	-14364	3256	721	-14364
		NL3 Br. Lc 4 Con & Main WRB Ba	5	1439	248	-12851	1439	248	-12851
			7	1440	248	-12851	1440	248	-12851
			23	3249	719	-14360	3249	719	-14360
			24	3252	720	-14362	3252	720	-14362
			25	3255	721	-14364	3255	721	-14364
			33	3249	719	-14360	3249	719	-14360
			34	3253	720	-14362	3253	720	-14362
			35	3256	721	-14364	3256	721	-14364
		Kortsluiting -20 met reduc	5	1204	3431	-30482	1204	3431	-30482
			7	1204	3432	-30484	1204	3432	-30484
			20	27968	159	2696	27968	159	2696
			21	26088	1442	2856	26088	1442	2856
			22	17375	2198	2041	17375	2198	2041
			23	2714	5509	-38373	2714	5509	-38373
			24	2717	5519	-38393	2717	5519	-38393
			25	2719	5529	-38413	2719	5529	-38413
			30	26447	2651	2394	26447	2651	2394
			31	23733	1509	2744	23733	1509	2744
			32	15111	864	2068	15111	864	2068
			33	2714	5510	-38375	2714	5510	-38375
			34	2717	5521	-38396	2717	5521	-38396
			35	2720	5532	-38418	2720	5532	-38418
		Kortsluiting 70 met reduc	5	1203	3461	-25841	1203	3461	-25841
			7	1203	3462	-25844	1203	3462	-25844
			20	12291	952	1168	12291	952	1168
			21	12025	1489	1208	12025	1489	1208
			22	10353	1894	1076	10353	1894	1076
			23	2712	5556	-30966	2712	5556	-30966
			24	2715	5566	-30997	2715	5566	-30997
			25	2717	5576	-31027	2717	5576	-31027
			30	11695	1962	881	11695	1962	881
			31	11678	1518	1237	11678	1518	1237
			32	10081	1111	1325	10081	1111	1325
			33	2712	5557	-30968	2712	5557	-30968
			34	2715	5568	-31001	2715	5568	-31001
			35	2718	5578	-31035	2718	5578	-31035

Belastingen voor :	**Belastingen mast 32 en Opstijgpunt mast 32 110kV Vierverlaten - Grijspkerk/Winsum Ranum**
Documentnummer :	**74101611-035-179-A1**

Structure nummer	Type	Maximaal optredende belasting Verticaal (N)	Maximaal optredende dwarsbelasting (N)	Maximaal optredende belasting in lijnrichting (N)	Maatgevende load case
OSP32 (110kV)	osp 32 nw380.pol	-24789	2517	1549	Kortsluiting -20
32	h4dr19.#32.tow	8186	-3585	-48836	NL1 Lc 3 Wind + ice WLA

Belastingen voor :	Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum
Documentnummer :	74101611-035-140-A2

LEESWIJZER BELASTINGSCOMBINATIES

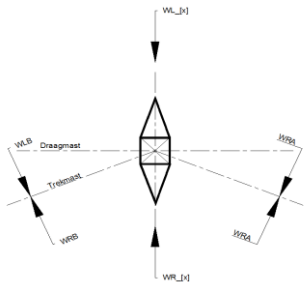
De belastingen gevallen in de tabellen zijn een afgeleide van de tabellen gegeven in de NORM EN50341-3 / Tabel 4.2.11/NL1, NL2,NL3 en NL4. Daar waar relevant zijn deze belasting gevallen opgenomen in de berekening.

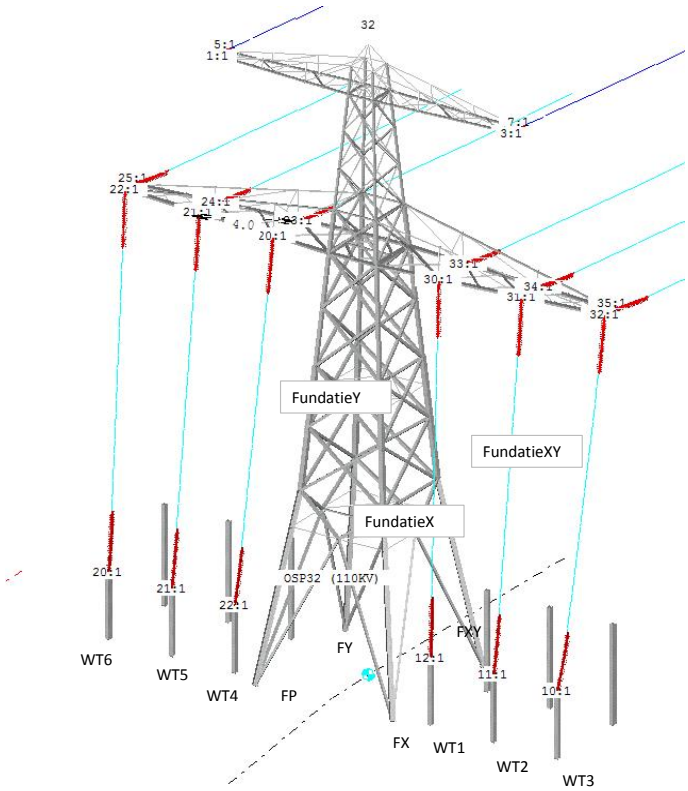
Bijvoorbeeld:
NL1 Lc 1a EWL WRB, staat voor:
NL1 = Tabel 4.2.11/NL1,
Lc 1a = load case 1a (Extreme Wind Load)
EWL = Extreme Wind Load
WBR = Wind in de Back span van Rechts (zie legenda voor overige aanblaashoeken)

De toevoeging Br:
Br = Breuk, is bedoeld voor de simulatie van geleiderbreuk met verder een verwijzing naar de afspansets. Bijvoorbeeld NL3 Br. Lc 1a EWL WRB 1 20 22 50, breuk op de afspansets 1, 20, 22 en 50.

De toevoeging Ydl 0.9:
Ydl 0.9 = Gamma Deadload, is bedoeld voor de gunstige werking van eigengewicht van de constructie op de fundatie en als dusdanig ook (enkel) van belang voor de fundatie.

Legenda wind invalshoek:	
WL_[x] =	Wind van Links onder een hoek van [x]
WR_[x] =	Wind van Rechts onder een hoek van [x]
WLB =	Wind van Links loodrecht op de geleider in de Back span
WLA =	Wind van Links loodrecht op de geleider in de Ahead span
WRB =	Wind van Rechts loodrecht op de geleider in de Back span
WRA =	Wind van Rechts loodrecht op de geleider in de Ahead span
GW =	Geen Wind





Set en fundatie labels

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

str_no	structure_name	Fundatie label	Belastings geval conform 50341-3	Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Sum of bending_moment	Sum of shear_force
OSP32 (110kV)	osp 32 nw380.pol	WT6:g	NL1 10°C GW,T Global	0,11	-0,34	-1,79	1,2	0,45	-0,02	1,28	0,36
			NL1 Lc 1a EWL WL_0,T Bl+	-0,20	-0,70	-0,45	2,33	-0,16	-0,02	2,33	0,73
			NL1 Lc 1a EWL WLA,T NR-	0,68	-0,76	0,36	2,47	2,07	-0,05	3,22	1,02
			NL1 Lc 1a EWL WLB,T NL-	0,67	-0,62	0,19	2,05	2,02	-0,05	2,88	0,91
			NL1 Lc 1a EWL WR_0,T Bl-	0,67	-0,69	0,27	2,26	2,05	-0,05	3,05	0,97
			NL1 Lc 1a EWL WRA,T NR+	-0,21	-0,63	-0,56	2,11	-0,18	-0,02	2,12	0,67
			NL1 Lc 1a EWL WRB,T NL+	-0,19	-0,77	-0,34	2,54	-0,13	-0,02	2,55	0,8
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,20	-0,70	0,86	2,26	-0,16	-0,02	2,26	0,73
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,68	-0,75	1,64	2,39	2,06	-0,05	3,15	1,01
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,67	-0,62	1,47	1,97	2,02	-0,05	2,82	0,91
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,67	-0,69	1,56	2,18	2,04	-0,05	2,99	0,96
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,21	-0,63	0,75	2,04	-0,18	-0,02	2,05	0,67
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,77	0,96	2,47	-0,14	-0,02	2,47	0,79
			NL1 Lc 1b Cold WL_0,T Bl+	0,17	-0,81	0,46	2,64	0,82	-0,04	2,77	0,82
			NL1 Lc 1b Cold WLA,T NR-	0,40	-0,92	1,54	2,94	1,47	-0,05	3,28	1
			NL1 Lc 1b Cold WLB,T NL-	0,39	-0,82	1,31	2,59	1,42	-0,05	2,95	0,91
			NL1 Lc 1b Cold WR_0,T Bl-	0,40	-0,87	1,43	2,76	1,44	-0,05	3,12	0,95
			NL1 Lc 1b Cold WRA,T NR+	0,16	-0,75	0,31	2,45	0,8	-0,04	2,58	0,77
			NL1 Lc 1b Cold WRB,T NL+	0,18	-0,86	0,61	2,83	0,85	-0,04	2,95	0,88
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	0,17	-0,80	1,76	2,56	0,82	-0,04	2,69	0,82
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,40	-0,91	2,81	2,84	1,46	-0,05	3,2	1
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,39	-0,81	2,59	2,5	1,41	-0,05	2,87	0,9
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,40	-0,86	2,70	2,67	1,44	-0,05	3,03	0,95
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,16	-0,75	1,61	2,37	0,79	-0,04	2,5	0,77
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,18	-0,86	1,90	2,75	0,85	-0,04	2,87	0,88
			NL1 Lc 3 Wind + ice WL_0,T B	0,05	-0,78	0,04	2,57	0,44	-0,03	2,61	0,78
			NL1 Lc 3 Wind + ice WLA,T NR	0,50	-0,89	1,14	2,87	1,77	-0,06	3,37	1,02
			NL1 Lc 3 Wind + ice WLB,T NL	0,49	-0,78	0,91	2,49	1,72	-0,06	3,03	0,92
			NL1 Lc 3 Wind + ice WR_0,T B	0,49	-0,83	1,03	2,68	1,74	-0,06	3,2	0,97
			NL1 Lc 3 Wind + ice WRA,T NR	0,04	-0,72	-0,11	2,38	0,41	-0,02	2,41	0,72
			NL1 Lc 3 Wind + ice WRB,T NL	0,06	-0,84	0,19	2,77	0,47	-0,03	2,81	0,84
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,05	-0,77	1,34	2,5	0,43	-0,02	2,53	0,78
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,50	-0,88	2,41	2,78	1,76	-0,06	3,29	1,01
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,49	-0,77	2,19	2,41	1,71	-0,06	2,95	0,91
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,49	-0,83	2,30	2,59	1,74	-0,06	3,12	0,96
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,04	-0,71	1,19	2,3	0,41	-0,02	2,33	0,72
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,06	-0,83	1,48	2,69	0,46	-0,03	2,73	0,83
			NL1 Lc 4 Con & Main WL_0,T	0,09	-0,52	-1,56	1,82	0,5	-0,02	1,88	0,53
			NL1 Lc 4 Con & Main WLA,T N	0,28	-0,60	-0,79	2,01	0,99	-0,03	2,24	0,66
			NL1 Lc 4 Con & Main WLB,T N	0,27	-0,51	-0,95	1,71	0,96	-0,03	1,96	0,58
			NL1 Lc 4 Con & Main WR_0,T	0,28	-0,56	-0,87	1,86	0,98	-0,03	2,1	0,62
			NL1 Lc 4 Con & Main WRA,T N	0,09	-0,48	-1,66	1,66	0,48	-0,02	1,73	0,49
			NL1 Lc 4 Con & Main WRB,T N	0,10	-0,57	-1,45	1,97	0,51	-0,02	2,04	0,58
			NL1 Lc 4 Con & Main 0.9 WL_	0,09	-0,52	-0,26	1,74	0,49	-0,02	1,81	0,53
			NL1 Lc 4 Con & Main 0.9 WLA,	0,28	-0,59	0,49	1,92	0,99	-0,03	2,16	0,66
			NL1 Lc 4 Con & Main 0.9 WLB,	0,27	-0,51	0,33	1,63	0,95	-0,03	1,89	0,58
			NL1 Lc 4 Con & Main 0.9 WR_	0,28	-0,55	0,41	1,77	0,97	-0,03	2,02	0,62
			NL1 Lc 4 Con & Main 0.9 WRA	0,09	-0,48	-0,36	1,58	0,48	-0,02	1,65	0,49
			NL1 Lc 4 Con & Main 0.9 WRB	0,10	-0,57	-0,17	1,89	0,51	-0,02	1,96	0,57
			NL1 Lc 6 Permanent GW,T Gl	0,11	-0,35	-3,26	1,31	0,46	-0,02	1,38	0,37
			NL1 Lc 6 Permanent 0.9 GW,T	0,11	-0,34	-1,37	1,17	0,44	-0,02	1,25	0,35
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,44	-0,66	-0,35	2,18	1,42	-0,04	2,6	0,79
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,43	-0,56	-0,52	1,84	1,38	-0,04	2,3	0,7
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,03	-0,54	-1,25	1,83	0,21	-0,02	1,84	0,54
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,02	-0,65	-1,04	2,19	0,25	-0,02	2,2	0,65
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,44	-0,65	0,93	2,1	1,41	-0,04	2,53	0,79
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,44	-0,65	0,93	2,1	1,41	-0,04	2,53	0,79
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,43	-0,55	0,76	1,76	1,38	-0,04	2,23	0,7
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,43	-0,55	0,76	1,76	1,38	-0,04	2,23	0,7
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,03	-0,53	0,05	1,75	0,21	-0,02	1,76	0,54
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,03	-0,53	0,05	1,75	0,21	-0,02	1,76	0,54
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,02	-0,64	0,25	2,11	0,25	-0,02	2,12	0,64
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,02	-0,64	0,25	2,11	0,25	-0,02	2,12	0,64
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,38	-0,90	2,73	2,81	1,39	-0,05	3,14	0,98
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,38	-0,90	2,73	2,81	1,39	-0,05	3,14	0,98
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,37	-0,80	2,51	2,48	1,35	-0,05	2,82	0,88
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,37	-0,80	2,51	2,48	1,35	-0,05	2,82	0,88
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,18	-0,74	1,53	2,34	0,83	-0,04	2,48	0,76
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,18	-0,74	1,53	2,34	0,83	-0,04	2,48	0,76
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,19	-0,84	1,82	2,71	0,88	-0,04	2,85	0,87
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,19	-0,84	1,82	2,71	0,88	-0,04	2,85	0,87
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,47	-0,76	1,59	2,42	1,52	-0,04	2,86	0,89
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,47	-0,76	1,59	2,42	1,52	-0,04	2,86	0,89
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,46	-0,65	1,39	2,07	1,48	-0,04	2,54	0,8
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,46	-0,65	1,39	2,07	1,48	-0,04	2,54	0,8
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,61	0,48	1,98	0,34	-0,03	2,01	0,61
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,00	-0,61	0,48	1,98	0,34	-0,03	2,01	0,61
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,01	-0,72	0,74	2,36	0,39	-0,03	2,39	0,72
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,01	-0,72	0,74	2,36	0,39	-0,03	2,39	0,72
			NL3 Br. Lc 4 Con & Main 0.9 V	0,38	-0,59	0,44	1,9	1,18	-0,03	2,24	0,7
			NL3 Br. Lc 4 Con & Main 0.9 V	0,38	-0,59	0,44	1,9	1,18	-0,03	2,24	0,7
			NL3 Br. Lc 4 Con & Main 0.9 V	0,37	-0,49	0,28	1,58	1,15	-0,03	1,95	0,61
			NL3 Br. Lc 4 Con & Main 0.9 V	0,37	-0,49	0,28	1,58	1,15	-0,03	1,95	0,61
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,02	-0,47	-0,41	1,57	0,26	-0,02	1,59	0,47
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,02	-0,47	-0,41	1,57	0,26	-0,02	1,59	0,47
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,01	-0,57	-0,21	1,9	0,3	-0,02	1,93	0,58
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,01	-0,57	-0,21	1,9	0,3	-0,02	1,93	0,58
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,44	-0,66	-0,35	2,18	1,42	-0,04	2,6	0,79
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,44	-0,66	-0,35	2,18	1,42	-0,04	2,6	0,79
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,17	0,00	-3,37	0	0,34	0	0,34	0,17

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

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		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT6:g	NL3 Br. Lc 1a EWL WLB 1 20 2	0,43	-0,56	-0,52	1,84	1,38	-0,04	2,3	0,7
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,43	-0,56	-0,52	1,84	1,38	-0,04	2,3	0,7
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,17	0,02	-3,37	-0,05	0,33	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,03	-0,54	-1,25	1,83	0,21	-0,02	1,84	0,54
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,03	-0,54	-1,25	1,83	0,21	-0,02	1,84	0,54
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,17	0,00	-3,37	0	-0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,02	-0,65	-1,04	2,19	0,25	-0,02	2,2	0,65
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,02	-0,65	-1,04	2,19	0,25	-0,02	2,2	0,65
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,17	-0,02	-3,37	0,05	-0,33	0	0,34	0,17
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,38	-0,91	1,46	2,9	1,4	-0,05	3,22	0,98
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,38	-0,91	1,46	2,9	1,4	-0,05	3,22	0,98
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,06	0,00	-3,37	0	0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,38	-0,91	1,46	2,9	1,4	-0,05	3,22	0,98
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,37	-0,81	1,23	2,56	1,36	-0,05	2,9	0,89
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,37	-0,81	1,23	2,56	1,36	-0,05	2,9	0,89
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,06	0,01	-3,37	-0,02	0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,37	-0,81	1,23	2,56	1,36	-0,05	2,9	0,89
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,18	-0,74	0,23	2,42	0,83	-0,04	2,56	0,76
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,18	-0,74	0,23	2,42	0,83	-0,04	2,56	0,76
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,06	0,00	-3,37	0	-0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,18	-0,74	0,23	2,42	0,83	-0,04	2,56	0,76
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,19	-0,85	0,53	2,79	0,88	-0,04	2,93	0,87
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,19	-0,85	0,53	2,79	0,88	-0,04	2,93	0,87
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,06	-0,01	-3,37	0,02	-0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,19	-0,85	0,53	2,79	0,88	-0,04	2,93	0,87
			NL3 Br. Lc 3 Wind + ice WLA 1	0,39	-0,75	0,29	2,46	1,35	-0,04	2,81	0,84
			NL3 Br. Lc 3 Wind + ice WLA 3	0,39	-0,75	0,29	2,46	1,35	-0,04	2,81	0,84
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,09	0,00	-3,37	0	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,42	-0,81	0,63	2,64	1,5	-0,05	3,03	0,91
			NL3 Br. Lc 3 Wind + ice WLB 1	0,37	-0,66	0,09	2,13	1,31	-0,04	2,5	0,76
			NL3 Br. Lc 3 Wind + ice WLB 3	0,37	-0,66	0,09	2,13	1,31	-0,04	2,5	0,76
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,09	0,01	-3,37	-0,03	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,41	-0,71	0,42	2,29	1,46	-0,05	2,71	0,82
			NL3 Br. Lc 3 Wind + ice WRA 1	0,08	-0,61	-0,78	2,03	0,49	-0,03	2,09	0,61
			NL3 Br. Lc 3 Wind + ice WRA 3	0,08	-0,61	-0,78	2,03	0,49	-0,03	2,09	0,61
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,09	0,00	-3,37	0	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,07	-0,65	-0,53	2,17	0,48	-0,03	2,23	0,65
			NL3 Br. Lc 3 Wind + ice WRB 1	0,09	-0,71	-0,53	2,39	0,54	-0,03	2,45	0,72
			NL3 Br. Lc 3 Wind + ice WRB 3	0,09	-0,71	-0,53	2,39	0,54	-0,03	2,45	0,72
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,09	-0,01	-3,37	0,03	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,09	-0,76	-0,25	2,55	0,53	-0,03	2,6	0,76
			NL3 Br. Lc 4 Con & Main WLA 1	0,26	-0,59	-0,84	1,99	0,94	-0,03	2,2	0,65
			NL3 Br. Lc 4 Con & Main WLA 3	0,26	-0,59	-0,84	1,99	0,94	-0,03	2,2	0,65
			NL3 Br. Lc 4 Con & Main WLA B	0,26	-0,59	-0,84	1,99	0,94	-0,03	2,2	0,65
			NL3 Br. Lc 4 Con & Main WLB 1	0,25	-0,51	-1,00	1,7	0,91	-0,03	1,93	0,57
			NL3 Br. Lc 4 Con & Main WLB 3	0,25	-0,51	-1,00	1,7	0,91	-0,03	1,93	0,57
			NL3 Br. Lc 4 Con & Main WLB B	0,25	-0,51	-1,00	1,7	0,91	-0,03	1,93	0,57
			NL3 Br. Lc 4 Con & Main WRA 1	0,10	-0,47	-1,70	1,64	0,52	-0,02	1,72	0,48
			NL3 Br. Lc 4 Con & Main WRA 3	0,10	-0,47	-1,70	1,64	0,52	-0,02	1,72	0,48
			NL3 Br. Lc 4 Con & Main WRA B	0,10	-0,47	-1,70	1,64	0,52	-0,02	1,72	0,48
			NL3 Br. Lc 4 Con & Main WRB 1	0,11	-0,56	-1,50	1,95	0,55	-0,02	2,03	0,57
			NL3 Br. Lc 4 Con & Main WRB 3	0,11	-0,56	-1,50	1,95	0,55	-0,02	2,03	0,57
			NL3 Br. Lc 4 Con & Main WRB B	0,11	-0,56	-1,50	1,95	0,55	-0,02	2,03	0,57
		WT5:g	NL1 10°C GW,T Global	-0,01	-0,36	-1,26	1,19	-0,03	0	1,19	0,36
			NL1 Lc 1a EWL WL_0,T BI+	-0,44	-0,93	2,23	2,82	-1,1	0,02	3,03	1,02
			NL1 Lc 1a EWL WLA,T NR-	0,42	-0,85	2,07	2,59	1,01	-0,01	2,78	0,95
			NL1 Lc 1a EWL WLB,T NL-	0,41	-0,72	1,85	2,17	1	-0,01	2,39	0,83
			NL1 Lc 1a EWL WR_0,T BI-	0,41	-0,78	1,96	2,38	1,01	-0,01	2,59	0,89
			NL1 Lc 1a EWL WRA,T NR+	-0,44	-0,86	2,12	2,61	-1,1	0,02	2,83	0,96
			NL1 Lc 1a EWL WRB,T NL+	-0,43	-0,99	2,33	3,03	-1,09	0,02	3,22	1,08
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	-0,44	-0,92	3,52	2,74	-1,1	0,02	2,96	1,02
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,42	-0,85	3,37	2,51	1,01	-0,01	2,71	0,95
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,41	-0,71	3,15	2,09	1	-0,01	2,32	0,82
			NL1 Lc 1a EWL 0.9 WR_0,T BI-	0,42	-0,78	3,27	2,3	1,01	-0,01	2,52	0,89
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,44	-0,86	3,42	2,53	-1,1	0,02	2,76	0,96
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,43	-0,99	3,62	2,95	-1,09	0,02	3,15	1,08
			NL1 Lc 1b Cold WL_0,T BI+	-0,12	-1,79	9,76	5,16	-0,33	0,01	5,17	1,79
			NL1 Lc 1b Cold WLA,T NR-	0,08	-1,74	9,63	4,98	0,16	0	4,99	1,74
			NL1 Lc 1b Cold WLB,T NL-	0,08	-1,64	9,44	4,66	0,16	0	4,66	1,65
			NL1 Lc 1b Cold WR_0,T BI-	0,08	-1,69	9,53	4,82	0,16	0	4,82	1,69
			NL1 Lc 1b Cold WRA,T NR+	-0,12	-1,74	9,67	5	-0,33	0,01	5,01	1,75
			NL1 Lc 1b Cold WRB,T NL+	-0,12	-1,83	9,85	5,32	-0,33	0,01	5,33	1,84
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	-0,12	-1,79	11,06	5,08	-0,33	0,01	5,09	1,79
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,08	-1,73	10,93	4,91	0,16	0	4,91	1,74
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,08	-1,64	10,74	4,59	0,16	0	4,59	1,64
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,08	-1,69	10,84	4,75	0,16	0	4,75	1,69
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,12	-1,74	10,97	4,92	-0,33	0,01	4,93	1,74
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,12	-1,83	11,15	5,24	-0,33	0,01	5,25	1,84
			NL1 Lc 3 Wind + ice WL_0,T B	-0,22	-1,22	4,72	3,66	-0,65	0,02	3,71	1,24
			NL1 Lc 3 Wind + ice WLA,T NR	0,19	-1,16	4,51	3,44	0,53	-0,01	3,48	1,17
			NL1 Lc 3 Wind + ice WLB,T NL	0,19	-1,04	4,20	3,06	0,52	-0,01	3,1	1,06
			NL1 Lc 3 Wind + ice WR_0,T B	0,19	-1,10	4,36	3,25	0,53	-0,01	3,29	1,12
			NL1 Lc 3 Wind + ice WRA,T NI	-0,22	-1,17	4,57	3,47	-0,65	0,02	3,53	1,19
			NL1 Lc 3 Wind + ice WRB,T NI	-0,22	-1,28	4,86	3,84	-0,65	0,02	3,9	1,3
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,22	-1,22	6,00	3,58	-0,65	0,02	3,63	1,24
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,19	-1,15	5,80	3,36	0,53	-0,01	3,4	1,17
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,19	-1,04	5,50	2,98	0,53	-0,01	3,03	1,06
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,19	-1,10	5,66	3,17	0,53	-0,01	3,22	1,11
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,22	-1,16	5,86	3,39	-0,65	0,02	3,45	1,18
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,22	-1,27	6,14	3,76	-0,65	0,02	3,82	1,29
			NL1 Lc 4 Con & Main WL_0,T	-0,09	-0,71	0,61	2,24	-0,23	0	2,25	0,72
			NL1 Lc 4 Con & Main WLA,T N	0,07	-0,66	0,45	2,07	0,16	0	2,08	0,66
			NL1 Lc 4 Con & Main WLB,T N	0,07	-0,57	0,21	1,76	0,16	0	1,77	0,57
			NL1 Lc 4 Con & Main WR_0,T	0,07	-0,62	0,33	1,91	0,16	0	1,92	0,62
			NL1 Lc 4 Con & Main WRA,T N	-0,09	-0,67	0,50	2,09	-0,23	0	2,1	0,67
			NL1 Lc 4 Con & Main WRB,T N	-0,09	-0,76	0,72	2,39	-0,23	0	2,4	0,76
			NL1 Lc 4 Con & Main 0.9 WL_	-0,09	-0,71	1,89	2,16	-0,23	0	2,17	0,71

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT5:g	NL1 Lc 4 Con & Main 0.9 WLA	0,07	-0,66	1,74	1,99	0,16	0	2	0,66
			NL1 Lc 4 Con & Main 0.9 WLB	0,07	-0,57	1,51	1,68	0,16	0	1,69	0,57
			NL1 Lc 4 Con & Main 0.9 WR	0,07	-0,61	1,63	1,84	0,16	0	1,84	0,62
			NL1 Lc 4 Con & Main 0.9 WRA	-0,09	-0,66	1,79	2,01	-0,23	0	2,02	0,67
			NL1 Lc 4 Con & Main 0.9 WRB	-0,09	-0,75	2,00	2,31	-0,23	0	2,32	0,76
			NL1 Lc 6 Permanent GW,T Gl	-0,01	-0,37	-2,66	1,31	-0,03	0	1,31	0,37
			NL1 Lc 6 Permanent 0.9 GW,T	-0,01	-0,35	-0,85	1,16	-0,03	0	1,16	0,35
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,21	-0,73	1,08	2,27	0,5	-0,01	2,32	0,76
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,21	-0,62	0,84	1,91	0,5	-0,01	1,98	0,66
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,23	-0,74	1,13	2,29	-0,58	0,01	2,36	0,78
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,23	-0,85	1,34	2,64	-0,58	0,01	2,7	0,88
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,21	-0,73	2,37	2,19	0,5	-0,01	2,25	0,76
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,21	-0,73	2,37	2,19	0,5	-0,01	2,25	0,76
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,21	-0,62	2,14	1,84	0,5	-0,01	1,9	0,66
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,21	-0,62	2,14	1,84	0,5	-0,01	1,9	0,66
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,23	-0,74	2,42	2,21	-0,58	0,01	2,29	0,77
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,23	-0,74	2,42	2,21	-0,58	0,01	2,29	0,77
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,23	-0,85	2,63	2,56	-0,58	0,01	2,62	0,88
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,23	-0,85	2,63	2,56	-0,58	0,01	2,62	0,88
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,06	-1,73	10,86	4,88	0,11	0	4,89	1,73
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,06	-1,73	10,86	4,88	0,11	0	4,89	1,73
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,06	-1,64	10,67	4,57	0,11	0	4,57	1,64
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,06	-1,64	10,67	4,57	0,11	0	4,57	1,64
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,10	-1,73	10,90	4,9	-0,29	0,01	4,91	1,73
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,10	-1,73	10,90	4,9	-0,29	0,01	4,91	1,73
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,10	-1,82	11,08	5,21	-0,29	0,01	5,22	1,82
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,10	-1,82	11,08	5,21	-0,29	0,01	5,22	1,82
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,20	-1,02	4,75	3	0,46	0	3,04	1,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,20	-1,02	4,75	3	0,46	0	3,04	1,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,20	-0,91	4,46	2,63	0,46	0	2,67	0,93
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,20	-0,91	4,46	2,63	0,46	0	2,67	0,93
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,23	-1,03	4,81	3,03	-0,56	0,01	3,08	1,06
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,23	-1,03	4,81	3,03	-0,56	0,01	3,08	1,06
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,23	-1,15	5,08	3,39	-0,56	0,01	3,43	1,17
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,23	-1,15	5,08	3,39	-0,56	0,01	3,43	1,17
			NL3 Br. Lc 4 Con & Main 0.9 V	0,18	-0,65	1,66	1,96	0,37	0	2	0,67
			NL3 Br. Lc 4 Con & Main 0.9 V	0,18	-0,65	1,66	1,96	0,37	0	2	0,67
			NL3 Br. Lc 4 Con & Main 0.9 V	0,18	-0,54	1,43	1,63	0,37	0	1,67	0,57
			NL3 Br. Lc 4 Con & Main 0.9 V	0,18	-0,54	1,43	1,63	0,37	0	1,67	0,57
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,20	-0,66	1,71	1,98	-0,44	0	2,03	0,68
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,20	-0,66	1,71	1,98	-0,44	0	2,03	0,68
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,20	-0,76	1,92	2,31	-0,43	0	2,35	0,78
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,20	-0,76	1,92	2,31	-0,43	0	2,35	0,78
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,21	-0,73	1,08	2,27	0,5	-0,01	2,32	0,76
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,21	-0,73	1,08	2,27	0,5	-0,01	2,32	0,76
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,17	0,00	-3,37	0	0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,21	-0,62	0,84	1,91	0,5	-0,01	1,98	0,66
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,21	-0,62	0,84	1,91	0,5	-0,01	1,98	0,66
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,17	0,02	-3,37	-0,05	0,33	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,23	-0,74	1,13	2,29	-0,58	0,01	2,36	0,78
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,23	-0,74	1,13	2,29	-0,58	0,01	2,36	0,78
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,17	0,00	-3,37	0	-0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,23	-0,85	1,34	2,64	-0,58	0,01	2,7	0,88
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,23	-0,85	1,34	2,64	-0,58	0,01	2,7	0,88
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,17	-0,02	-3,37	0,05	-0,33	0	0,34	0,17
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,06	-1,73	9,56	4,96	0,11	0	4,96	1,73
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,06	-1,73	9,56	4,96	0,11	0	4,96	1,73
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,06	0,00	-3,37	0	0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,06	-1,73	9,56	4,96	0,11	0	4,96	1,73
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,06	-1,64	9,37	4,65	0,11	0	4,65	1,64
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,06	-1,64	9,37	4,65	0,11	0	4,65	1,64
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,06	0,01	-3,37	-0,02	0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,06	-1,64	9,37	4,65	0,11	0	4,65	1,64
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,10	-1,73	9,60	4,98	-0,29	0,01	4,99	1,74
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,10	-1,73	9,60	4,98	-0,29	0,01	4,99	1,74
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,06	0,00	-3,37	0	-0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,10	-1,73	9,60	4,98	-0,29	0,01	4,99	1,74
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,10	-1,82	9,78	5,29	-0,29	0,01	5,3	1,83
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,10	-1,82	9,78	5,29	-0,29	0,01	5,3	1,83
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,06	-0,01	-3,37	0,02	-0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,10	-1,82	9,78	5,29	-0,29	0,01	5,3	1,83
			NL3 Br. Lc 3 Wind + ice WLA 1	0,12	-1,02	3,49	3,06	0,3	0	3,07	1,03
			NL3 Br. Lc 3 Wind + ice WLA 3	0,12	-1,02	3,49	3,06	0,3	0	3,07	1,03
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,09	0,00	-3,37	0	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,14	-1,08	3,89	3,22	0,37	-0,01	3,24	1,09
			NL3 Br. Lc 3 Wind + ice WLB 1	0,12	-0,92	3,21	2,72	0,3	0	2,73	0,93
			NL3 Br. Lc 3 Wind + ice WLB 3	0,12	-0,92	3,21	2,72	0,3	0	2,73	0,93
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,09	0,01	-3,37	-0,03	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,14	-0,97	3,59	2,86	0,37	-0,01	2,88	0,98
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,15	-1,03	3,55	3,08	-0,41	0,01	3,11	1,04
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,15	-1,03	3,55	3,08	-0,41	0,01	3,11	1,04
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,09	0,00	-3,37	0	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,17	-1,09	3,95	3,24	-0,48	0,01	3,28	1,1
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,15	-1,13	3,80	3,42	-0,41	0,01	3,44	1,14
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,15	-1,13	3,80	3,42	-0,41	0,01	3,44	1,14
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,09	-0,01	-3,37	0,03	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,17	-1,19	4,22	3,59	-0,48	0,01	3,62	1,2
			NL3 Br. Lc 4 Con & Main WLA 1	0,06	-0,65	0,38	2,04	0,12	0	2,05	0,65
			NL3 Br. Lc 4 Con & Main WLA 3	0,06	-0,65	0,38	2,04	0,12	0	2,05	0,65
			NL3 Br. Lc 4 Con & Main WLA B	0,06	-0,65	0,38	2,04	0,12	0	2,05	0,65
			NL3 Br. Lc 4 Con & Main WLB 1	0,06	-0,56	0,14	1,74	0,12	0	1,75	0,57
			NL3 Br. Lc 4 Con & Main WLB 3	0,06	-0,56	0,14	1,74	0,12	0	1,75	0,57
			NL3 Br. Lc 4 Con & Main WLB B	0,06	-0,56	0,14	1,74	0,12	0	1,75	0,57
			NL3 Br. Lc 4 Con & Main WRA 1	-0,07	-0,66	0,42	2,06	-0,19	0	2,07	0,66
			NL3 Br. Lc 4 Con & Main WRA 3	-0,07	-0,66	0,42	2,06	-0,19	0	2,07	0,66
			NL3 Br. Lc 4 Con & Main WRA B	-0,07	-0,66	0,42	2,06	-0,19	0	2,07	0,66
			NL3 Br. Lc 4 Con & Main WRB 1	-0,07	-0,74	0,64	2,36	-0,19	0	2,37	0,75
			NL3 Br. Lc 4 Con & Main WRB 3	-0,07	-0,74	0,64	2,36	-0,19	0	2,37	0,75

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT5:g	NL3 Br. Lc 4 Con & Main WRB	-0,07	-0,74	0,64	2,36	-0,19	0	2,37	0,75
		WT4:g	NL1 10°C GW,T Global	-0,16	-0,32	-1,05	1,01	-0,64	0,02	1,2	0,36
			NL1 Lc 1a EWL WL_0,T Bl+	-0,85	-0,90	3,42	2,54	-2,75	0,08	3,74	1,24
			NL1 Lc 1a EWL WLA,T NR-	0,08	-0,70	1,90	1,99	-0,34	0,04	2,02	0,7
			NL1 Lc 1a EWL WLB,T NL-	0,09	-0,56	1,66	1,58	-0,3	0,04	1,61	0,57
			NL1 Lc 1a EWL WR_0,T Bl-	0,08	-0,63	1,78	1,79	-0,32	0,04	1,81	0,63
			NL1 Lc 1a EWL WRA,T NR+	-0,85	-0,84	3,34	2,35	-2,73	0,08	3,6	1,19
			NL1 Lc 1a EWL WRB,T NL+	-0,85	-0,96	3,50	2,73	-2,76	0,08	3,88	1,29
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,85	-0,90	4,70	2,46	-2,74	0,08	3,68	1,24
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,08	-0,70	3,22	1,92	-0,34	0,04	1,95	0,7
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,08	-0,56	3,00	1,52	-0,3	0,04	1,55	0,57
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,08	-0,63	3,11	1,72	-0,32	0,04	1,75	0,64
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,85	-0,83	4,62	2,26	-2,73	0,08	3,55	1,19
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,85	-0,96	4,77	2,65	-2,75	0,08	3,82	1,28
			NL1 Lc 1b Cold WL_0,T Bl+	-0,98	-1,80	12,84	4,75	-3,77	0,14	6,06	2,05
			NL1 Lc 1b Cold WLA,T NR-	-0,74	-1,67	11,87	4,39	-3,08	0,12	5,36	1,83
			NL1 Lc 1b Cold WLB,T NL-	-0,73	-1,59	11,73	4,09	-3,06	0,12	5,11	1,75
			NL1 Lc 1b Cold WR_0,T Bl-	-0,73	-1,63	11,80	4,24	-3,07	0,12	5,23	1,79
			NL1 Lc 1b Cold WRA,T NR+	-0,98	-1,76	12,78	4,61	-3,76	0,14	5,95	2,02
			NL1 Lc 1b Cold WRB,T NL+	-0,98	-1,84	12,89	4,9	-3,77	0,14	6,18	2,09
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,98	-1,80	14,13	4,68	-3,76	0,14	6	2,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	-0,74	-1,67	13,19	4,31	-3,08	0,12	5,3	1,83
			NL1 Lc 1b Cold 0.9 WLB,T NL-	-0,73	-1,59	13,06	4,02	-3,06	0,12	5,05	1,75
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	-0,73	-1,63	13,12	4,17	-3,07	0,12	5,18	1,79
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,98	-1,76	14,07	4,53	-3,75	0,13	5,88	2,01
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,98	-1,84	14,18	4,82	-3,77	0,14	6,12	2,09
			NL1 Lc 3 Wind + ice WL_0,T B	-0,80	-1,23	6,75	3,37	-2,96	0,1	4,49	1,47
			NL1 Lc 3 Wind + ice WLA,T NR	-0,29	-1,00	4,80	2,76	-1,4	0,06	3,09	1,04
			NL1 Lc 3 Wind + ice WLB,T NL	-0,28	-0,89	4,49	2,39	-1,35	0,06	2,75	0,93
			NL1 Lc 3 Wind + ice WR_0,T B	-0,29	-0,94	4,65	2,57	-1,37	0,06	2,92	0,98
			NL1 Lc 3 Wind + ice WRA,T NR	-0,80	-1,18	6,65	3,2	-2,94	0,1	4,35	1,42
			NL1 Lc 3 Wind + ice WRB,T NL	-0,80	-1,28	6,84	3,54	-2,98	0,1	4,62	1,51
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,80	-1,22	8,02	3,29	-2,95	0,1	4,42	1,46
			NL1 Lc 3 Wind + ice 0.9 WLA,T	-0,29	-1,00	6,13	2,69	-1,4	0,06	3,03	1,04
			NL1 Lc 3 Wind + ice 0.9 WLB,T	-0,28	-0,89	5,82	2,33	-1,35	0,06	2,69	0,93
			NL1 Lc 3 Wind + ice 0.9 WR_0,	-0,29	-0,94	5,97	2,51	-1,37	0,06	2,86	0,98
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,79	-1,17	7,92	3,12	-2,94	0,1	4,29	1,42
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,80	-1,27	8,11	3,45	-2,97	0,1	4,55	1,5
			NL1 Lc 4 Con & Main WL_0,T	-0,42	-0,71	1,71	2,06	-1,56	0,05	2,59	0,83
			NL1 Lc 4 Con & Main WLA,T N	-0,18	-0,52	0,11	1,55	-0,85	0,04	1,77	0,55
			NL1 Lc 4 Con & Main WLB,T N	-0,17	-0,43	-0,15	1,26	-0,8	0,03	1,49	0,46
			NL1 Lc 4 Con & Main WR_0,T	-0,17	-0,47	-0,02	1,4	-0,82	0,04	1,63	0,5
			NL1 Lc 4 Con & Main WRA,T N	-0,42	-0,67	1,64	1,93	-1,54	0,05	2,47	0,79
			NL1 Lc 4 Con & Main WRB,T N	-0,43	-0,75	1,79	2,2	-1,57	0,05	2,7	0,86
			NL1 Lc 4 Con & Main 0.9 WL_	-0,42	-0,70	2,98	1,98	-1,55	0,05	2,52	0,82
			NL1 Lc 4 Con & Main 0.9 WLA	-0,18	-0,52	1,43	1,48	-0,84	0,04	1,71	0,55
			NL1 Lc 4 Con & Main 0.9 WLB	-0,17	-0,43	1,17	1,19	-0,8	0,03	1,43	0,46
			NL1 Lc 4 Con & Main 0.9 WR_	-0,17	-0,47	1,30	1,33	-0,82	0,04	1,57	0,51
			NL1 Lc 4 Con & Main 0.9 WRA	-0,42	-0,67	2,91	1,85	-1,53	0,05	2,4	0,79
			NL1 Lc 4 Con & Main 0.9 WRB	-0,42	-0,74	3,06	2,12	-1,56	0,05	2,63	0,86
			NL1 Lc 6 Permanent GW,T Gl	-0,17	-0,33	-2,50	1,11	-0,66	0,02	1,29	0,37
			NL1 Lc 6 Permanent 0.9 GW,T	-0,16	-0,32	-0,63	0,98	-0,64	0,02	1,17	0,36
			NL3 Br. Br. Lc 1a EWL WLA Ba	-0,07	-0,59	0,80	1,72	-0,64	0,04	1,84	0,59
			NL3 Br. Br. Lc 1a EWL WLB Ba	-0,06	-0,48	0,54	1,38	-0,59	0,03	1,5	0,48
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,59	-0,74	2,31	2,09	-2,02	0,06	2,91	0,94
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,60	-0,83	2,47	2,41	-2,04	0,06	3,16	1,03
			NL3 Br. Lc 1a EWL 0.9 WLA 5	-0,07	-0,59	2,12	1,65	-0,64	0,04	1,77	0,59
			NL3 Br. Lc 1a EWL 0.9 WLA 7	-0,07	-0,59	2,12	1,65	-0,64	0,04	1,77	0,59
			NL3 Br. Lc 1a EWL 0.9 WLB 5	-0,06	-0,48	1,87	1,31	-0,59	0,03	1,44	0,49
			NL3 Br. Lc 1a EWL 0.9 WLB 7	-0,06	-0,48	1,87	1,31	-0,59	0,03	1,44	0,49
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,59	-0,73	3,59	2,01	-2,01	0,06	2,84	0,94
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,59	-0,73	3,59	2,01	-2,01	0,06	2,84	0,94
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,59	-0,83	3,74	2,33	-2,04	0,06	3,09	1,02
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,59	-0,83	3,74	2,33	-2,04	0,06	3,09	1,02
			NL3 Br. Lc 1b Cold 0.9 WLA 5	-0,75	-1,67	13,14	4,3	-3,12	0,12	5,31	1,83
			NL3 Br. Lc 1b Cold 0.9 WLA 7	-0,75	-1,67	13,14	4,3	-3,12	0,12	5,31	1,83
			NL3 Br. Lc 1b Cold 0.9 WLB 5	-0,75	-1,59	13,00	4,02	-3,09	0,12	5,07	1,75
			NL3 Br. Lc 1b Cold 0.9 WLB 7	-0,75	-1,59	13,00	4,02	-3,09	0,12	5,07	1,75
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,96	-1,75	14,01	4,52	-3,69	0,13	5,83	2
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,96	-1,75	14,01	4,52	-3,69	0,13	5,83	2
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,96	-1,83	14,12	4,8	-3,71	0,13	6,06	2,07
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,96	-1,83	14,12	4,8	-3,71	0,13	6,06	2,07
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,23	-0,89	5,11	2,42	-1,27	0,06	2,73	0,92
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,23	-0,89	5,11	2,42	-1,27	0,06	2,73	0,92
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,22	-0,78	4,81	2,07	-1,22	0,06	2,4	0,81
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,22	-0,78	4,81	2,07	-1,22	0,06	2,4	0,81
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,75	-1,06	6,86	2,84	-2,64	0,09	3,88	1,3
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,75	-1,06	6,86	2,84	-2,64	0,09	3,88	1,3
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,76	-1,16	7,04	3,16	-2,67	0,09	4,14	1,39
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,76	-1,16	7,04	3,16	-2,67	0,09	4,14	1,39
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,07	-0,51	1,34	1,46	-0,62	0,04	1,59	0,51
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,07	-0,51	1,34	1,46	-0,62	0,04	1,59	0,51
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,06	-0,41	1,08	1,14	-0,58	0,03	1,28	0,41
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,06	-0,41	1,08	1,14	-0,58	0,03	1,28	0,41
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,52	-0,66	2,83	1,83	-1,72	0,05	2,51	0,84
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,52	-0,66	2,83	1,83	-1,72	0,05	2,51	0,84
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,53	-0,75	2,98	2,13	-1,75	0,05	2,75	0,92
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,53	-0,75	2,98	2,13	-1,75	0,05	2,75	0,92
			NL3 Br. Lc 1a EWL WLA 1 20 2	-0,07	-0,59	0,80	1,72	-0,64	0,04	1,84	0,59
			NL3 Br. Lc 1a EWL WLA 3 30 3	-0,07	-0,59	0,80	1,72	-0,64	0,04	1,84	0,59
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,17	0,00	-3,37	0	0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 1 20 2	-0,06	-0,48	0,54	1,38	-0,59	0,03	1,5	0,48
			NL3 Br. Lc 1a EWL WLB 3 30 3	-0,06	-0,48	0,54	1,38	-0,59	0,03	1,5	0,48
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,17	0,02	-3,37	-0,05	0,33	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,59	-0,74	2,31	2,09	-2,02	0,06	2,91	0,94
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,59	-0,74	2,31	2,09	-2,02	0,06	2,91	0,94
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,17	0,00	-3,37	0	-0,34	0	0,34	0,17

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

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		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT4:g	NL3 Br. Lc 1a EWL WRB 1 20 2	-0,60	-0,83	2,47	2,41	-2,04	0,06	3,16	1,03
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,60	-0,83	2,47	2,41	-2,04	0,06	3,16	1,03
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,17	-0,02	-3,37	0,05	-0,33	0	0,34	0,17
			NL3 Br. Lc 1b Cold WLA 1 20 2	-0,75	-1,67	11,82	4,37	-3,12	0,12	5,37	1,83
			NL3 Br. Lc 1b Cold WLA 3 30 3	-0,75	-1,67	11,82	4,37	-3,12	0,12	5,37	1,83
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,06	0,00	-3,37	0	0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA Ba,T N	-0,75	-1,67	11,82	4,37	-3,12	0,12	5,37	1,83
			NL3 Br. Lc 1b Cold WLB 1 20 2	-0,75	-1,58	11,68	4,09	-3,09	0,12	5,13	1,75
			NL3 Br. Lc 1b Cold WLB 3 30 3	-0,75	-1,58	11,68	4,09	-3,09	0,12	5,13	1,75
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,06	0,01	-3,37	-0,02	0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB Ba,T N	-0,75	-1,58	11,68	4,09	-3,09	0,12	5,13	1,75
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,96	-1,76	12,72	4,59	-3,7	0,13	5,9	2
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,96	-1,76	12,72	4,59	-3,7	0,13	5,9	2
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,06	0,00	-3,37	0	-0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,96	-1,76	12,72	4,59	-3,7	0,13	5,9	2
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,96	-1,83	12,83	4,88	-3,72	0,13	6,13	2,07
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,96	-1,83	12,83	4,88	-3,72	0,13	6,13	2,07
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,06	-0,01	-3,37	0,02	-0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,96	-1,83	12,83	4,88	-3,72	0,13	6,13	2,07
			NL3 Br. Lc 3 Wind + ice WLA 1	-0,31	-0,90	3,91	2,49	-1,43	0,06	2,87	0,95
			NL3 Br. Lc 3 Wind + ice WLA 3	-0,31	-0,90	3,91	2,49	-1,43	0,06	2,87	0,95
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,09	0,00	-3,37	0	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA Ba	-0,31	-0,93	4,23	2,59	-1,44	0,06	2,97	0,99
			NL3 Br. Lc 3 Wind + ice WLB 1	-0,30	-0,80	3,62	2,17	-1,38	0,06	2,57	0,85
			NL3 Br. Lc 3 Wind + ice WLB 3	-0,30	-0,80	3,62	2,17	-1,38	0,06	2,57	0,85
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,09	0,01	-3,37	-0,03	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB Ba	-0,30	-0,83	3,92	2,26	-1,38	0,06	2,65	0,88
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,67	-1,06	5,57	2,89	-2,47	0,09	3,81	1,25
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,67	-1,06	5,57	2,89	-2,47	0,09	3,81	1,25
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,09	0,00	-3,37	0	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,71	-1,11	6,00	3,03	-2,65	0,09	4,02	1,32
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,67	-1,15	5,74	3,19	-2,51	0,09	4,06	1,33
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,67	-1,15	5,74	3,19	-2,51	0,09	4,06	1,33
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,09	-0,01	-3,37	0,03	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,72	-1,20	6,18	3,34	-2,68	0,09	4,28	1,4
			NL3 Br. Lc 4 Con & Main WLA 1	-0,19	-0,51	0,03	1,53	-0,87	0,04	1,76	0,55
			NL3 Br. Lc 4 Con & Main WLA 3	-0,19	-0,51	0,03	1,53	-0,87	0,04	1,76	0,55
			NL3 Br. Lc 4 Con & Main WLA B	-0,19	-0,51	0,03	1,53	-0,87	0,04	1,76	0,55
			NL3 Br. Lc 4 Con & Main WLB 1	-0,18	-0,42	-0,24	1,24	-0,82	0,03	1,49	0,46
			NL3 Br. Lc 4 Con & Main WLB 3	-0,18	-0,42	-0,24	1,24	-0,82	0,03	1,49	0,46
			NL3 Br. Lc 4 Con & Main WLB B	-0,18	-0,42	-0,24	1,24	-0,82	0,03	1,49	0,46
			NL3 Br. Lc 4 Con & Main WRA	-0,40	-0,66	1,56	1,91	-1,48	0,05	2,42	0,77
			NL3 Br. Lc 4 Con & Main WRA	-0,40	-0,66	1,56	1,91	-1,48	0,05	2,42	0,77
			NL3 Br. Lc 4 Con & Main WRA	-0,40	-0,66	1,56	1,91	-1,48	0,05	2,42	0,77
			NL3 Br. Lc 4 Con & Main WRB	-0,40	-0,74	1,71	2,17	-1,51	0,05	2,65	0,84
			NL3 Br. Lc 4 Con & Main WRB	-0,40	-0,74	1,71	2,17	-1,51	0,05	2,65	0,84
			NL3 Br. Lc 4 Con & Main WRB	-0,40	-0,74	1,71	2,17	-1,51	0,05	2,65	0,84
		WT3:g	NL1 10°C GW,T Global	-0,11	-0,34	-1,96	1,23	-0,43	0,02	1,31	0,36
			NL1 Lc 1a EWL WL_0,T Bl+	-0,65	-0,78	-0,31	2,61	-1,93	0,05	3,24	1,01
			NL1 Lc 1a EWL WLA,T NR-	0,23	-0,59	-1,16	2,05	0,28	0,01	2,07	0,64
			NL1 Lc 1a EWL WLB,T NL-	0,24	-0,46	-1,36	1,61	0,3	0,01	1,64	0,51
			NL1 Lc 1a EWL WR_0,T Bl-	0,24	-0,53	-1,26	1,83	0,29	0,01	1,86	0,58
			NL1 Lc 1a EWL WRA,T NR+	-0,64	-0,71	-0,38	2,4	-1,92	0,05	3,07	0,96
			NL1 Lc 1a EWL WRB,T NL+	-0,65	-0,84	-0,24	2,81	-1,94	0,05	3,41	1,06
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,64	-0,77	0,97	2,52	-1,93	0,05	3,17	1,01
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,23	-0,59	0,14	1,97	0,29	0,01	1,99	0,64
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,24	-0,46	-0,05	1,54	0,31	0,01	1,57	0,51
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,24	-0,52	0,05	1,76	0,3	0,01	1,78	0,58
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,64	-0,71	0,90	2,31	-1,91	0,05	3	0,96
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,64	-0,84	1,04	2,72	-1,93	0,05	3,34	1,06
			NL1 Lc 1b Cold WL_0,T Bl+	-0,33	-0,81	0,07	2,72	-1,18	0,04	2,97	0,88
			NL1 Lc 1b Cold WLA,T NR-	-0,11	-0,62	-0,98	2,12	-0,57	0,03	2,2	0,63
			NL1 Lc 1b Cold WLB,T NL-	-0,10	-0,51	-1,23	1,75	-0,53	0,03	1,83	0,52
			NL1 Lc 1b Cold WR_0,T Bl-	-0,10	-0,57	-1,10	1,94	-0,55	0,03	2,01	0,58
			NL1 Lc 1b Cold WRA,T NR+	-0,33	-0,76	-0,02	2,56	-1,16	0,04	2,81	0,83
			NL1 Lc 1b Cold WRB,T NL+	-0,33	-0,86	0,15	2,89	-1,19	0,04	3,13	0,92
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,33	-0,81	1,34	2,63	-1,17	0,04	2,88	0,87
			NL1 Lc 1b Cold 0.9 WLA,T NR-	-0,11	-0,62	0,31	2,04	-0,57	0,03	2,12	0,63
			NL1 Lc 1b Cold 0.9 WLB,T NL-	-0,10	-0,51	0,07	1,68	-0,53	0,03	1,76	0,52
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	-0,10	-0,56	0,19	1,86	-0,55	0,03	1,94	0,57
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,33	-0,76	1,25	2,47	-1,15	0,04	2,72	0,83
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,33	-0,85	1,42	2,8	-1,19	0,04	3,04	0,92
			NL1 Lc 3 Wind + ice WL_0,T B	-0,45	-0,86	0,16	2,87	-1,57	0,05	3,27	0,97
			NL1 Lc 3 Wind + ice WLA,T NR	-0,01	-0,65	-0,95	2,23	-0,27	0,02	2,25	0,65
			NL1 Lc 3 Wind + ice WLB,T NL	0,00	-0,53	-1,22	1,83	-0,23	0,02	1,85	0,53
			NL1 Lc 3 Wind + ice WR_0,T B	0,00	-0,59	-1,08	2,03	-0,25	0,02	2,05	0,59
			NL1 Lc 3 Wind + ice WRA,T NR	-0,45	-0,80	0,06	2,69	-1,55	0,05	3,11	0,92
			NL1 Lc 3 Wind + ice WRB,T NL	-0,45	-0,91	0,25	3,05	-1,58	0,05	3,44	1,02
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,45	-0,85	1,43	2,78	-1,56	0,05	3,19	0,96
			NL1 Lc 3 Wind + ice 0.9 WLA,T	-0,01	-0,65	0,34	2,15	-0,26	0,02	2,17	0,65
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,00	-0,53	0,08	1,76	-0,22	0,02	1,77	0,53
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,00	-0,59	0,22	1,95	-0,24	0,02	1,97	0,59
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,45	-0,80	1,34	2,6	-1,55	0,05	3,03	0,91
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,45	-0,90	1,52	2,96	-1,58	0,05	3,36	1,01
			NL1 Lc 4 Con & Main WL_0,T	-0,26	-0,61	-1,28	2,11	-0,89	0,03	2,29	0,66
			NL1 Lc 4 Con & Main WLA,T N	-0,07	-0,46	-2,05	1,64	-0,42	0,02	1,69	0,46
			NL1 Lc 4 Con & Main WLB,T N	-0,06	-0,37	-2,24	1,32	-0,38	0,02	1,38	0,37
			NL1 Lc 4 Con & Main WR_0,T	-0,07	-0,41	-2,15	1,48	-0,4	0,02	1,53	0,42
			NL1 Lc 4 Con & Main WRA,T N	-0,25	-0,57	-1,34	1,96	-0,88	0,03	2,15	0,62
			NL1 Lc 4 Con & Main WRB,T N	-0,26	-0,65	-1,21	2,25	-0,9	0,03	2,43	0,7
			NL1 Lc 4 Con & Main 0.9 WL_(	-0,25	-0,60	0,00	2,02	-0,89	0,03	2,21	0,65
			NL1 Lc 4 Con & Main 0.9 WLA,	-0,07	-0,45	-0,77	1,55	-0,41	0,02	1,61	0,46
			NL1 Lc 4 Con & Main 0.9 WLB,	-0,06	-0,36	-0,95	1,24	-0,38	0,02	1,3	0,37
			NL1 Lc 4 Con & Main 0.9 WR_(	-0,07	-0,41	-0,86	1,4	-0,39	0,02	1,45	0,41
			NL1 Lc 4 Con & Main 0.9 WRA	-0,25	-0,56	-0,07	1,87	-0,87	0,03	2,07	0,61
			NL1 Lc 4 Con & Main 0.9 WRB	-0,26	-0,64	0,06	2,16	-0,9	0,03	2,34	0,69
			NL1 Lc 6 Permanent GW,T Gl	-0,11	-0,35	-3,43	1,34	-0,44	0,02	1,41	0,37

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT3:g	NL1 Lc 6 Permanent 0.9 GW,T	-0,11	-0,34	-1,53	1,2	-0,43	0,02	1,28	0,36
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,05	-0,51	-1,73	1,79	-0,13	0,02	1,79	0,51
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,06	-0,40	-1,93	1,42	-0,1	0,02	1,43	0,4
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,41	-0,62	-0,98	2,13	-1,29	0,04	2,49	0,74
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,41	-0,72	-0,84	2,47	-1,31	0,04	2,8	0,83
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,05	-0,50	-0,44	1,71	-0,12	0,02	1,71	0,51
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,05	-0,50	-0,44	1,71	-0,12	0,02	1,71	0,51
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,06	-0,40	-0,63	1,35	-0,1	0,02	1,35	0,4
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,06	-0,40	-0,63	1,35	-0,1	0,02	1,35	0,4
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,41	-0,62	0,30	2,04	-1,29	0,04	2,41	0,74
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,41	-0,62	0,30	2,04	-1,29	0,04	2,41	0,74
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,41	-0,72	0,43	2,38	-1,31	0,04	2,71	0,83
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,41	-0,72	0,43	2,38	-1,31	0,04	2,71	0,83
			NL3 Br. Lc 1b Cold 0.9 WLA 5	-0,12	-0,61	0,25	2,01	-0,6	0,03	2,1	0,62
			NL3 Br. Lc 1b Cold 0.9 WLA 7	-0,12	-0,61	0,25	2,01	-0,6	0,03	2,1	0,62
			NL3 Br. Lc 1b Cold 0.9 WLB 5	-0,11	-0,51	0,01	1,66	-0,56	0,03	1,75	0,52
			NL3 Br. Lc 1b Cold 0.9 WLB 7	-0,11	-0,51	0,01	1,66	-0,56	0,03	1,75	0,52
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,30	-0,75	1,19	2,44	-1,1	0,04	2,67	0,81
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,30	-0,75	1,19	2,44	-1,1	0,04	2,67	0,81
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,31	-0,84	1,36	2,76	-1,13	0,04	2,98	0,9
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,31	-0,84	1,36	2,76	-1,13	0,04	2,98	0,9
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,03	-0,55	-0,22	1,86	-0,22	0,02	1,87	0,55
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,03	-0,55	-0,22	1,86	-0,22	0,02	1,87	0,55
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,04	-0,44	-0,45	1,49	-0,19	0,02	1,5	0,44
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,04	-0,44	-0,45	1,49	-0,19	0,02	1,5	0,44
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,42	-0,69	0,67	2,27	-1,34	0,04	2,63	0,81
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,42	-0,69	0,67	2,27	-1,34	0,04	2,63	0,81
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,43	-0,79	0,83	2,61	-1,37	0,04	2,95	0,9
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,43	-0,79	0,83	2,61	-1,37	0,04	2,95	0,9
			NL3 Br. Lc 4 Con & Main 0.9 V	0,04	-0,45	-0,80	1,53	-0,19	0,02	1,55	0,45
			NL3 Br. Lc 4 Con & Main 0.9 V	0,04	-0,45	-0,80	1,53	-0,19	0,02	1,55	0,45
			NL3 Br. Lc 4 Con & Main 0.9 V	0,05	-0,34	-0,98	1,2	-0,17	0,02	1,21	0,35
			NL3 Br. Lc 4 Con & Main 0.9 V	0,05	-0,34	-0,98	1,2	-0,17	0,02	1,21	0,35
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,36	-0,56	-0,11	1,86	-1,07	0,03	2,14	0,66
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,36	-0,56	-0,11	1,86	-1,07	0,03	2,14	0,66
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,36	-0,65	0,02	2,17	-1,09	0,03	2,43	0,74
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,36	-0,65	0,02	2,17	-1,09	0,03	2,43	0,74
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,05	-0,51	-1,73	1,79	-0,13	0,02	1,79	0,51
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,05	-0,51	-1,73	1,79	-0,13	0,02	1,79	0,51
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,17	0,00	-3,37	0	0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,06	-0,40	-1,93	1,42	-0,1	0,02	1,43	0,4
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,06	-0,40	-1,93	1,42	-0,1	0,02	1,43	0,4
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,17	0,02	-3,37	-0,05	0,33	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,41	-0,62	-0,98	2,13	-1,29	0,04	2,49	0,74
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,41	-0,62	-0,98	2,13	-1,29	0,04	2,49	0,74
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,17	0,00	-3,37	0	-0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,41	-0,72	-0,84	2,47	-1,31	0,04	2,8	0,83
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,41	-0,72	-0,84	2,47	-1,31	0,04	2,8	0,83
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,17	-0,02	-3,37	0,05	-0,33	0	0,34	0,17
			NL3 Br. Lc 1b Cold WLA 1 20 2	-0,12	-0,61	-1,04	2,1	-0,61	0,03	2,18	0,62
			NL3 Br. Lc 1b Cold WLA 3 30 3	-0,12	-0,61	-1,04	2,1	-0,61	0,03	2,18	0,62
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,06	0,00	-3,37	0	0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA Ba,T N	-0,12	-0,61	-1,04	2,1	-0,61	0,03	2,18	0,62
			NL3 Br. Lc 1b Cold WLB 1 20 2	-0,11	-0,51	-1,29	1,73	-0,57	0,03	1,82	0,52
			NL3 Br. Lc 1b Cold WLB 3 30 3	-0,11	-0,51	-1,29	1,73	-0,57	0,03	1,82	0,52
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,06	0,01	-3,37	-0,02	0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB Ba,T N	-0,11	-0,51	-1,29	1,73	-0,57	0,03	1,82	0,52
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,30	-0,76	-0,09	2,53	-1,1	0,04	2,76	0,81
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,30	-0,76	-0,09	2,53	-1,1	0,04	2,76	0,81
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,06	0,00	-3,37	0	-0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,30	-0,76	-0,09	2,53	-1,1	0,04	2,76	0,81
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,31	-0,85	0,09	2,86	-1,14	0,04	3,07	0,9
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,31	-0,85	0,09	2,86	-1,14	0,04	3,07	0,9
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,06	-0,01	-3,37	0,02	-0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,31	-0,85	0,09	2,86	-1,14	0,04	3,07	0,9
			NL3 Br. Lc 3 Wind + ice WLA 1	-0,05	-0,55	-1,50	1,91	-0,37	0,02	1,95	0,55
			NL3 Br. Lc 3 Wind + ice WLA 3	-0,05	-0,55	-1,50	1,91	-0,37	0,02	1,95	0,55
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,09	0,00	-3,37	0	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA Ba	-0,04	-0,59	-1,29	2,04	-0,35	0,02	2,07	0,59
			NL3 Br. Lc 3 Wind + ice WLB 1	-0,04	-0,45	-1,72	1,56	-0,34	0,02	1,6	0,45
			NL3 Br. Lc 3 Wind + ice WLB 3	-0,04	-0,45	-1,72	1,56	-0,34	0,02	1,6	0,45
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,09	0,01	-3,37	-0,03	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB Ba	-0,03	-0,48	-1,54	1,68	-0,32	0,02	1,71	0,48
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,34	-0,68	-0,63	2,3	-1,17	0,04	2,58	0,76
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,34	-0,68	-0,63	2,3	-1,17	0,04	2,58	0,76
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,09	0,00	-3,37	0	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,37	-0,73	-0,35	2,47	-1,3	0,04	2,8	0,82
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,35	-0,77	-0,48	2,62	-1,2	0,04	2,89	0,85
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,35	-0,77	-0,48	2,62	-1,2	0,04	2,89	0,85
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,09	-0,01	-3,37	0,03	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,38	-0,83	-0,18	2,81	-1,34	0,04	3,11	0,91
			NL3 Br. Lc 4 Con & Main WLA 1	-0,09	-0,45	-2,09	1,62	-0,45	0,02	1,68	0,46
			NL3 Br. Lc 4 Con & Main WLA 3	-0,09	-0,45	-2,09	1,62	-0,45	0,02	1,68	0,46
			NL3 Br. Lc 4 Con & Main WLA B	-0,09	-0,45	-2,09	1,62	-0,45	0,02	1,68	0,46
			NL3 Br. Lc 4 Con & Main WLB 1	-0,08	-0,36	-2,28	1,31	-0,42	0,02	1,38	0,37
			NL3 Br. Lc 4 Con & Main WLB 3	-0,08	-0,36	-2,28	1,31	-0,42	0,02	1,38	0,37
			NL3 Br. Lc 4 Con & Main WLB B	-0,08	-0,36	-2,28	1,31	-0,42	0,02	1,38	0,37
			NL3 Br. Lc 4 Con & Main WRA 1	-0,23	-0,56	-1,39	1,94	-0,83	0,03	2,11	0,61
			NL3 Br. Lc 4 Con & Main WRA 3	-0,23	-0,56	-1,39	1,94	-0,83	0,03	2,11	0,61
			NL3 Br. Lc 4 Con & Main WRA B	-0,23	-0,56	-1,39	1,94	-0,83	0,03	2,11	0,61
			NL3 Br. Lc 4 Con & Main WRB 1	-0,24	-0,64	-1,26	2,23	-0,85	0,03	2,38	0,68
			NL3 Br. Lc 4 Con & Main WRB 3	-0,24	-0,64	-1,26	2,23	-0,85	0,03	2,38	0,68
			NL3 Br. Lc 4 Con & Main WRB B	-0,24	-0,64	-1,26	2,23	-0,85	0,03	2,38	0,68
		WT2:g	NL1 10°C GW,T Global	0,00	-0,36	-1,44	1,22	0,01	0	1,22	0,36
			NL1 Lc 1a EWL WL_0,T BI+	-0,42	-0,90	1,53	2,8	-1,02	0,01	2,98	0,99
			NL1 Lc 1a EWL WLA,T NR-	0,43	-0,83	1,45	2,59	1,09	-0,02	2,81	0,94
			NL1 Lc 1a EWL WLB,T NL-	0,43	-0,69	1,22	2,17	1,07	-0,02	2,42	0,81

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT2:g	NL1 Lc 1a EWL WR_0,T Bl-	0,43	-0,76	1,33	2,38	1,08	-0,02	2,61	0,88
			NL1 Lc 1a EWL WRA,T NR+	-0,42	-0,83	1,42	2,59	-1,02	0,01	2,78	0,93
			NL1 Lc 1a EWL WRB,T NL+	-0,41	-0,96	1,63	3,01	-1,01	0,01	3,18	1,05
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,42	-0,89	2,82	2,72	-1,02	0,01	2,91	0,99
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,43	-0,83	2,74	2,52	1,09	-0,02	2,74	0,93
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,43	-0,69	2,52	2,09	1,07	-0,02	2,35	0,81
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,43	-0,76	2,63	2,3	1,08	-0,02	2,54	0,87
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,42	-0,83	2,71	2,51	-1,02	0,01	2,71	0,92
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,41	-0,96	2,92	2,93	-1,01	0,01	3,1	1,05
			NL1 Lc 1b Cold WL_0,T Bl+	-0,08	-1,51	6,58	4,52	-0,18	0	4,52	1,51
			NL1 Lc 1b Cold WLA,T NR-	0,11	-1,46	6,49	4,35	0,3	-0,01	4,36	1,46
			NL1 Lc 1b Cold WLB,T NL-	0,11	-1,36	6,23	4	0,3	-0,01	4,01	1,36
			NL1 Lc 1b Cold WR_0,T Bl-	0,11	-1,41	6,36	4,17	0,3	-0,01	4,18	1,41
			NL1 Lc 1b Cold WRA,T NR+	-0,08	-1,46	6,46	4,34	-0,18	0	4,35	1,46
			NL1 Lc 1b Cold WRB,T NL+	-0,08	-1,56	6,70	4,69	-0,18	0	4,69	1,56
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,08	-1,50	7,87	4,43	-0,18	0	4,44	1,51
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,11	-1,46	7,78	4,27	0,3	-0,01	4,28	1,46
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,11	-1,35	7,53	3,92	0,3	-0,01	3,93	1,36
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,11	-1,41	7,66	4,09	0,3	-0,01	4,11	1,41
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,08	-1,45	7,75	4,26	-0,18	0	4,27	1,46
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,08	-1,55	7,99	4,6	-0,18	0	4,61	1,55
			NL1 Lc 3 Wind + ice WL_0,T B	-0,19	-1,12	3,30	3,47	-0,54	0,01	3,51	1,14
			NL1 Lc 3 Wind + ice WLA,T NR	0,22	-1,07	3,19	3,29	0,63	-0,01	3,34	1,09
			NL1 Lc 3 Wind + ice WLB,T NL	0,21	-0,95	2,88	2,89	0,62	-0,01	2,96	0,97
			NL1 Lc 3 Wind + ice WR_0,T B	0,21	-1,01	3,04	3,09	0,62	-0,01	3,15	1,03
			NL1 Lc 3 Wind + ice WRA,T NI	-0,19	-1,06	3,15	3,28	-0,54	0,01	3,32	1,08
			NL1 Lc 3 Wind + ice WRB,T NI	-0,19	-1,18	3,45	3,66	-0,53	0,01	3,7	1,2
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,19	-1,12	4,59	3,39	-0,54	0,01	3,43	1,14
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,22	-1,06	4,48	3,2	0,63	-0,01	3,26	1,09
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,21	-0,95	4,18	2,81	0,62	-0,01	2,88	0,97
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,21	-1,01	4,33	3,01	0,62	-0,01	3,07	1,03
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,19	-1,06	4,44	3,2	-0,54	0,01	3,24	1,08
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,19	-1,18	4,73	3,58	-0,54	0,01	3,62	1,19
			NL1 Lc 4 Con & Main WL_0,T	-0,07	-0,68	0,03	2,22	-0,16	0	2,22	0,69
			NL1 Lc 4 Con & Main WLA,T N	0,09	-0,64	-0,05	2,07	0,22	0	2,08	0,65
			NL1 Lc 4 Con & Main WLB,T N	0,09	-0,55	-0,27	1,76	0,21	0	1,77	0,56
			NL1 Lc 4 Con & Main WR_0,T	0,09	-0,60	-0,16	1,91	0,22	0	1,92	0,6
			NL1 Lc 4 Con & Main WRA,T N	-0,07	-0,64	-0,07	2,06	-0,16	0	2,07	0,64
			NL1 Lc 4 Con & Main WRB,T N	-0,07	-0,73	0,14	2,37	-0,16	0	2,37	0,73
			NL1 Lc 4 Con & Main 0.9 WL_	-0,07	-0,68	1,32	2,13	-0,17	0	2,14	0,68
			NL1 Lc 4 Con & Main 0.9 WLA,	0,09	-0,64	1,24	1,99	0,22	0	2	0,64
			NL1 Lc 4 Con & Main 0.9 WLB,	0,09	-0,55	1,02	1,68	0,21	0	1,69	0,55
			NL1 Lc 4 Con & Main 0.9 WR_	0,09	-0,59	1,13	1,83	0,22	0	1,84	0,6
			NL1 Lc 4 Con & Main 0.9 WRA	-0,07	-0,64	1,21	1,98	-0,17	0	1,99	0,64
			NL1 Lc 4 Con & Main 0.9 WRB	-0,07	-0,72	1,42	2,29	-0,17	0	2,29	0,73
			NL1 Lc 6 Permanent GW,T Gl	0,00	-0,37	-2,90	1,33	0,01	0	1,33	0,37
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	-0,36	-1,02	1,19	0,01	0	1,19	0,36
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,23	-0,71	0,52	2,27	0,57	-0,01	2,34	0,75
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,22	-0,60	0,30	1,91	0,56	-0,01	1,99	0,64
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,21	-0,71	0,50	2,26	-0,51	0,01	2,32	0,74
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,21	-0,82	0,71	2,62	-0,5	0,01	2,67	0,85
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,23	-0,71	1,82	2,19	0,57	-0,01	2,26	0,75
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,23	-0,71	1,82	2,19	0,57	-0,01	2,26	0,75
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,22	-0,60	1,59	1,83	0,56	-0,01	1,92	0,64
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,22	-0,60	1,59	1,83	0,56	-0,01	1,92	0,64
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,21	-0,71	1,79	2,18	-0,51	0,01	2,24	0,74
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,21	-0,71	1,79	2,18	-0,51	0,01	2,24	0,74
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,21	-0,82	2,00	2,54	-0,5	0,01	2,59	0,84
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,21	-0,82	2,00	2,54	-0,5	0,01	2,59	0,84
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,09	-1,44	7,69	4,24	0,25	-0,01	4,25	1,45
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,09	-1,44	7,69	4,24	0,25	-0,01	4,25	1,45
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,09	-1,35	7,44	3,9	0,25	-0,01	3,9	1,35
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,09	-1,35	7,44	3,9	0,25	-0,01	3,9	1,35
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,06	-1,44	7,66	4,23	-0,14	0	4,23	1,44
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,06	-1,44	7,66	4,23	-0,14	0	4,23	1,44
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,06	-1,54	7,90	4,57	-0,13	0	4,57	1,54
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,06	-1,54	7,90	4,57	-0,13	0	4,57	1,54
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,22	-0,93	3,47	2,82	0,54	-0,01	2,87	0,96
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,22	-0,93	3,47	2,82	0,54	-0,01	2,87	0,96
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,22	-0,81	3,17	2,44	0,54	-0,01	2,5	0,84
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,22	-0,81	3,17	2,44	0,54	-0,01	2,5	0,84
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,21	-0,93	3,43	2,81	-0,47	0	2,85	0,95
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,21	-0,93	3,43	2,81	-0,47	0	2,85	0,95
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,20	-1,04	3,70	3,18	-0,46	0	3,22	1,06
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,20	-1,04	3,70	3,18	-0,46	0	3,22	1,06
			NL3 Br. Lc 4 Con & Main 0.9 V	0,19	-0,63	1,17	1,96	0,42	0	2,01	0,66
			NL3 Br. Lc 4 Con & Main 0.9 V	0,19	-0,63	1,17	1,96	0,42	0	2,01	0,66
			NL3 Br. Lc 4 Con & Main 0.9 V	0,19	-0,52	0,95	1,62	0,42	0	1,68	0,56
			NL3 Br. Lc 4 Con & Main 0.9 V	0,19	-0,52	0,95	1,62	0,42	0	1,68	0,56
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,18	-0,63	1,14	1,96	-0,37	0	1,99	0,65
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,18	-0,63	1,14	1,96	-0,37	0	1,99	0,65
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,18	-0,73	1,35	2,29	-0,37	0	2,32	0,75
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,18	-0,73	1,35	2,29	-0,37	0	2,32	0,75
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,23	-0,71	0,52	2,27	0,57	-0,01	2,34	0,75
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,23	-0,71	0,52	2,27	0,57	-0,01	2,34	0,75
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,17	0,00	-3,37	0	0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,22	-0,60	0,30	1,91	0,56	-0,01	1,99	0,64
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,22	-0,60	0,30	1,91	0,56	-0,01	1,99	0,64
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,17	0,02	-3,37	-0,05	0,33	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,21	-0,71	0,50	2,26	-0,51	0,01	2,32	0,74
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,21	-0,71	0,50	2,26	-0,51	0,01	2,32	0,74
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,17	0,00	-3,37	0	-0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,21	-0,82	0,71	2,62	-0,5	0,01	2,67	0,85
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,21	-0,82	0,71	2,62	-0,5	0,01	2,67	0,85
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,17	-0,02	-3,37	0,05	-0,33	0	0,34	0,17
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,09	-1,45	6,40	4,32	0,25	-0,01	4,33	1,45
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,09	-1,45	6,40	4,32	0,25	-0,01	4,33	1,45
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,06	0,00	-3,37	0	0,12	0	0,12	0,06

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

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		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT2:g	NL3 Br. Lc 1b Cold WLA Ba,T N	0,09	-1,45	6,40	4,32	0,25	-0,01	4,33	1,45
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,09	-1,35	6,14	3,97	0,25	-0,01	3,98	1,35
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,09	-1,35	6,14	3,97	0,25	-0,01	3,98	1,35
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,06	0,01	-3,37	-0,02	0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,09	-1,35	6,14	3,97	0,25	-0,01	3,98	1,35
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,06	-1,45	6,37	4,31	-0,13	0	4,31	1,45
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,06	-1,45	6,37	4,31	-0,13	0	4,31	1,45
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,06	0,00	-3,37	0	-0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,06	-1,45	6,37	4,31	-0,13	0	4,31	1,45
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,06	-1,54	6,61	4,65	-0,13	0	4,65	1,54
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,06	-1,54	6,61	4,65	-0,13	0	4,65	1,54
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,06	-0,01	-3,37	0,02	-0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,06	-1,54	6,61	4,65	-0,13	0	4,65	1,54
			NL3 Br. Lc 3 Wind + ice WLA 1	0,14	-0,93	2,19	2,87	0,39	-0,01	2,9	0,94
			NL3 Br. Lc 3 Wind + ice WLA 3	0,14	-0,93	2,19	2,87	0,39	-0,01	2,9	0,94
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,09	0,00	-3,37	0	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,16	-0,99	2,59	3,05	0,46	-0,01	3,08	1
			NL3 Br. Lc 3 Wind + ice WLB 1	0,14	-0,82	1,91	2,52	0,38	-0,01	2,55	0,83
			NL3 Br. Lc 3 Wind + ice WLB 3	0,14	-0,82	1,91	2,52	0,38	-0,01	2,55	0,83
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,09	0,01	-3,37	-0,03	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,16	-0,88	2,29	2,68	0,45	-0,01	2,72	0,89
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,13	-0,92	2,16	2,86	-0,31	0	2,88	0,93
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,13	-0,92	2,16	2,86	-0,31	0	2,88	0,93
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,09	0,00	-3,37	0	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,14	-0,98	2,55	3,04	-0,38	0,01	3,06	0,99
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,12	-1,03	2,42	3,21	-0,31	0	3,22	1,03
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,12	-1,03	2,42	3,21	-0,31	0	3,22	1,03
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,09	-0,01	-3,37	0,03	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,14	-1,09	2,83	3,4	-0,38	0,01	3,42	1,1
			NL3 Br. Lc 4 Con & Main WLA 1	0,07	-0,63	-0,11	2,04	0,17	0	2,05	0,64
			NL3 Br. Lc 4 Con & Main WLA 3	0,07	-0,63	-0,11	2,04	0,17	0	2,05	0,64
			NL3 Br. Lc 4 Con & Main WLA B	0,07	-0,63	-0,11	2,04	0,17	0	2,05	0,64
			NL3 Br. Lc 4 Con & Main WLB 1	0,07	-0,54	-0,34	1,74	0,17	0	1,75	0,55
			NL3 Br. Lc 4 Con & Main WLB 3	0,07	-0,54	-0,34	1,74	0,17	0	1,75	0,55
			NL3 Br. Lc 4 Con & Main WLB B	0,07	-0,54	-0,34	1,74	0,17	0	1,75	0,55
			NL3 Br. Lc 4 Con & Main WRA	-0,06	-0,63	-0,14	2,04	-0,12	0	2,04	0,63
			NL3 Br. Lc 4 Con & Main WRA	-0,06	-0,63	-0,14	2,04	-0,12	0	2,04	0,63
			NL3 Br. Lc 4 Con & Main WRA	-0,06	-0,63	-0,14	2,04	-0,12	0	2,04	0,63
			NL3 Br. Lc 4 Con & Main WRB	-0,06	-0,72	0,07	2,34	-0,12	0	2,34	0,72
			NL3 Br. Lc 4 Con & Main WRB	-0,06	-0,72	0,07	2,34	-0,12	0	2,34	0,72
			NL3 Br. Lc 4 Con & Main WRB	-0,06	-0,72	0,07	2,34	-0,12	0	2,34	0,72
		WT1:g	NL1 10°C GW,T Global	0,15	-0,32	-1,14	1,04	0,6	-0,02	1,2	0,36
			NL1 Lc 1a EWL WL_0,T Bl+	-0,09	-0,76	1,74	2,24	0,29	-0,04	2,26	0,77
			NL1 Lc 1a EWL WLA,T NR-	0,83	-0,84	3,01	2,39	2,65	-0,07	3,57	1,18
			NL1 Lc 1a EWL WLB,T NL-	0,81	-0,71	2,83	1,99	2,61	-0,07	3,28	1,08
			NL1 Lc 1a EWL WR_0,T Bl-	0,82	-0,77	2,92	2,19	2,63	-0,07	3,42	1,13
			NL1 Lc 1a EWL WRA,T NR+	-0,10	-0,70	1,62	2,04	0,27	-0,03	2,05	0,7
			NL1 Lc 1a EWL WRB,T NL+	-0,08	-0,83	1,86	2,45	0,33	-0,04	2,47	0,84
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,09	-0,76	3,06	2,17	0,29	-0,04	2,19	0,77
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,82	-0,83	4,29	2,31	2,64	-0,07	3,51	1,17
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,81	-0,71	4,12	1,91	2,6	-0,07	3,23	1,08
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,82	-0,77	4,20	2,11	2,63	-0,07	3,37	1,12
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,10	-0,70	2,95	1,97	0,27	-0,03	1,99	0,7
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,08	-0,83	3,18	2,38	0,32	-0,04	2,4	0,84
			NL1 Lc 1b Cold WL_0,T Bl+	0,66	-1,64	10,52	4,44	2,79	-0,11	5,25	1,77
			NL1 Lc 1b Cold WLA,T NR-	0,91	-1,70	11,47	4,55	3,47	-0,12	5,72	1,92
			NL1 Lc 1b Cold WLB,T NL-	0,90	-1,61	11,33	4,25	3,44	-0,12	5,47	1,85
			NL1 Lc 1b Cold WR_0,T Bl-	0,90	-1,66	11,40	4,4	3,45	-0,12	5,59	1,89
			NL1 Lc 1b Cold WRA,T NR+	0,66	-1,59	10,43	4,29	2,77	-0,11	5,11	1,72
			NL1 Lc 1b Cold WRB,T NL+	0,67	-1,68	10,60	4,6	2,81	-0,11	5,39	1,81
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	0,66	-1,64	11,84	4,37	2,79	-0,11	5,19	1,77
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,90	-1,69	12,76	4,47	3,46	-0,12	5,65	1,92
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,90	-1,61	12,62	4,18	3,43	-0,12	5,41	1,84
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,90	-1,65	12,69	4,32	3,45	-0,12	5,53	1,88
			NL1 Lc 1b Cold 0.9 WRA,T NR+	0,66	-1,59	11,75	4,22	2,77	-0,11	5,05	1,72
			NL1 Lc 1b Cold 0.9 WRB,T NL+	0,67	-1,68	11,92	4,52	2,81	-0,11	5,32	1,81
			NL1 Lc 3 Wind + ice WL_0,T B	0,26	-1,03	4,30	2,93	1,29	-0,06	3,2	1,06
			NL1 Lc 3 Wind + ice WLA,T NR	0,76	-1,15	5,96	3,21	2,79	-0,1	4,25	1,38
			NL1 Lc 3 Wind + ice WLB,T NL	0,74	-1,05	5,74	2,87	2,74	-0,09	3,96	1,29
			NL1 Lc 3 Wind + ice WR_0,T B	0,75	-1,10	5,85	3,04	2,76	-0,09	4,11	1,33
			NL1 Lc 3 Wind + ice WRA,T NR	0,26	-0,97	4,14	2,75	1,25	-0,06	3,02	1
			NL1 Lc 3 Wind + ice WRB,T NL	0,27	-1,08	4,46	3,12	1,32	-0,06	3,39	1,12
			NL1 Lc 3 Wind + ice 0.9 WL_0,	0,26	-1,03	5,62	2,86	1,28	-0,06	3,14	1,06
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,75	-1,15	7,24	3,13	2,78	-0,1	4,19	1,38
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,74	-1,05	7,01	2,79	2,73	-0,09	3,9	1,28
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,75	-1,10	7,13	2,96	2,76	-0,09	4,04	1,33
			NL1 Lc 3 Wind + ice 0.9 WRA,T	0,26	-0,97	5,46	2,68	1,25	-0,06	2,96	1
			NL1 Lc 3 Wind + ice 0.9 WRB,T	0,27	-1,08	5,78	3,05	1,32	-0,06	3,32	1,12
			NL1 Lc 4 Con & Main WL_0,T	0,17	-0,56	0,03	1,74	0,82	-0,04	1,92	0,59
			NL1 Lc 4 Con & Main WLA,T N	0,40	-0,67	1,35	1,96	1,47	-0,05	2,45	0,78
			NL1 Lc 4 Con & Main WLB,T N	0,39	-0,59	1,17	1,68	1,43	-0,05	2,21	0,7
			NL1 Lc 4 Con & Main WR_0,T	0,40	-0,63	1,26	1,82	1,45	-0,05	2,33	0,74
			NL1 Lc 4 Con & Main WRA,T N	0,17	-0,52	-0,10	1,59	0,8	-0,03	1,77	0,55
			NL1 Lc 4 Con & Main WRB,T N	0,18	-0,61	0,16	1,88	0,85	-0,04	2,07	0,63
			NL1 Lc 4 Con & Main 0.9 WL_0	0,17	-0,56	1,34	1,66	0,82	-0,04	1,85	0,59
			NL1 Lc 4 Con & Main 0.9 WLA	0,40	-0,66	2,62	1,88	1,46	-0,05	2,38	0,77
			NL1 Lc 4 Con & Main 0.9 WLB	0,39	-0,58	2,44	1,6	1,43	-0,05	2,14	0,7
			NL1 Lc 4 Con & Main 0.9 WR_	0,39	-0,62	2,54	1,74	1,45	-0,05	2,26	0,74
			NL1 Lc 4 Con & Main 0.9 WRA	0,17	-0,52	1,21	1,51	0,79	-0,03	1,71	0,54
			NL1 Lc 4 Con & Main 0.9 WRB	0,18	-0,61	1,46	1,81	0,84	-0,04	2	0,63
			NL1 Lc 6 Permanent GW,T Gl	0,15	-0,33	-2,59	1,14	0,62	-0,02	1,3	0,37
			NL1 Lc 6 Permanent 0.9 GW,T	0,15	-0,32	-0,72	1,01	0,6	-0,02	1,17	0,35
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,57	-0,73	2,00	2,13	1,94	-0,06	2,88	0,93
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,56	-0,63	1,82	1,8	1,9	-0,06	2,62	0,84
			NL3 Br. Br. Lc 1a EWL WRA Ba	0,06	-0,59	0,56	1,76	0,58	-0,03	1,85	0,59
			NL3 Br. Br. Lc 1a EWL WRB Ba	0,07	-0,69	0,81	2,1	0,63	-0,04	2,2	0,7
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,57	-0,73	3,28	2,05	1,93	-0,06	2,81	0,92

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	WT1:g	NL3 Br. Lc 1a EWL 0.9 WLA 7	0,57	-0,73	3,28	2,05	1,93	-0,06	2,81	0,92
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,56	-0,63	3,10	1,72	1,89	-0,06	2,56	0,84
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,56	-0,63	3,10	1,72	1,89	-0,06	2,56	0,84
			NL3 Br. Lc 1a EWL 0.9 WRA 5	0,06	-0,59	1,88	1,69	0,58	-0,03	1,79	0,59
			NL3 Br. Lc 1a EWL 0.9 WRA 7	0,06	-0,59	1,88	1,69	0,58	-0,03	1,79	0,59
			NL3 Br. Lc 1a EWL 0.9 WRB 5	0,07	-0,69	2,12	2,03	0,63	-0,04	2,13	0,7
			NL3 Br. Lc 1a EWL 0.9 WRB 7	0,07	-0,69	2,12	2,03	0,63	-0,04	2,13	0,7
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,88	-1,69	12,69	4,46	3,4	-0,12	5,6	1,9
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,88	-1,69	12,69	4,46	3,4	-0,12	5,6	1,9
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,87	-1,61	12,56	4,17	3,37	-0,12	5,36	1,83
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,87	-1,61	12,56	4,17	3,37	-0,12	5,36	1,83
			NL3 Br. Lc 1b Cold 0.9 WRA 5	0,68	-1,59	11,69	4,21	2,81	-0,11	5,06	1,73
			NL3 Br. Lc 1b Cold 0.9 WRA 7	0,68	-1,59	11,69	4,21	2,81	-0,11	5,06	1,73
			NL3 Br. Lc 1b Cold 0.9 WRB 5	0,68	-1,67	11,86	4,5	2,84	-0,11	5,32	1,81
			NL3 Br. Lc 1b Cold 0.9 WRB 7	0,68	-1,67	11,86	4,5	2,84	-0,11	5,32	1,81
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,71	-1,03	6,16	2,83	2,48	-0,08	3,77	1,25
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,71	-1,03	6,16	2,83	2,48	-0,08	3,77	1,25
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,70	-0,93	5,95	2,5	2,43	-0,08	3,49	1,16
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,70	-0,93	5,95	2,5	2,43	-0,08	3,49	1,16
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,19	-0,86	4,43	2,39	1,12	-0,06	2,64	0,88
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,19	-0,86	4,43	2,39	1,12	-0,06	2,64	0,88
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,21	-0,97	4,74	2,75	1,19	-0,06	2,99	0,99
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,21	-0,97	4,74	2,75	1,19	-0,06	2,99	0,99
			NL3 Br. Lc 4 Con & Main 0.9 V	0,50	-0,65	2,54	1,85	1,65	-0,05	2,48	0,82
			NL3 Br. Lc 4 Con & Main 0.9 V	0,50	-0,65	2,54	1,85	1,65	-0,05	2,48	0,82
			NL3 Br. Lc 4 Con & Main 0.9 V	0,49	-0,56	2,36	1,55	1,61	-0,05	2,23	0,74
			NL3 Br. Lc 4 Con & Main 0.9 V	0,49	-0,56	2,36	1,55	1,61	-0,05	2,23	0,74
			NL3 Br. Lc 4 Con & Main 0.9 V	0,06	-0,51	1,13	1,49	0,57	-0,03	1,6	0,51
			NL3 Br. Lc 4 Con & Main 0.9 V	0,06	-0,51	1,13	1,49	0,57	-0,03	1,6	0,51
			NL3 Br. Lc 4 Con & Main 0.9 V	0,07	-0,61	1,38	1,82	0,62	-0,04	1,92	0,62
			NL3 Br. Lc 4 Con & Main 0.9 V	0,07	-0,61	1,38	1,82	0,62	-0,04	1,92	0,62
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,57	-0,73	2,00	2,13	1,94	-0,06	2,88	0,93
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,57	-0,73	2,00	2,13	1,94	-0,06	2,88	0,93
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,17	0,00	-3,37	0	0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,56	-0,63	1,82	1,8	1,9	-0,06	2,62	0,84
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,56	-0,63	1,82	1,8	1,9	-0,06	2,62	0,84
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,17	0,02	-3,37	-0,05	0,33	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRA 1 20 2	0,06	-0,59	0,56	1,76	0,58	-0,03	1,85	0,59
			NL3 Br. Lc 1a EWL WRA 3 30 3	0,06	-0,59	0,56	1,76	0,58	-0,03	1,85	0,59
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,17	0,00	-3,37	0	-0,34	0	0,34	0,17
			NL3 Br. Lc 1a EWL WRB 1 20 2	0,07	-0,69	0,81	2,1	0,63	-0,04	2,2	0,7
			NL3 Br. Lc 1a EWL WRB 3 30 3	0,07	-0,69	0,81	2,1	0,63	-0,04	2,2	0,7
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,17	-0,02	-3,37	0,05	-0,33	0	0,34	0,17
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,88	-1,69	11,40	4,53	3,41	-0,12	5,67	1,91
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,88	-1,69	11,40	4,53	3,41	-0,12	5,67	1,91
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,06	0,00	-3,37	0	0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,88	-1,69	11,40	4,53	3,41	-0,12	5,67	1,91
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,88	-1,61	11,26	4,24	3,38	-0,12	5,42	1,83
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,88	-1,61	11,26	4,24	3,38	-0,12	5,42	1,83
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,06	0,01	-3,37	-0,02	0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,88	-1,61	11,26	4,24	3,38	-0,12	5,42	1,83
			NL3 Br. Lc 1b Cold WRA 1 20 2	0,68	-1,59	10,38	4,28	2,81	-0,11	5,12	1,73
			NL3 Br. Lc 1b Cold WRA 3 30 3	0,68	-1,59	10,38	4,28	2,81	-0,11	5,12	1,73
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,06	0,00	-3,37	0	-0,12	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRA Ba,T N	0,68	-1,59	10,38	4,28	2,81	-0,11	5,12	1,73
			NL3 Br. Lc 1b Cold WRB 1 20 2	0,68	-1,67	10,55	4,58	2,84	-0,11	5,39	1,81
			NL3 Br. Lc 1b Cold WRB 3 30 3	0,68	-1,67	10,55	4,58	2,84	-0,11	5,39	1,81
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,06	-0,01	-3,37	0,02	-0,11	0	0,12	0,06
			NL3 Br. Lc 1b Cold WRB Ba,T N	0,68	-1,67	10,55	4,58	2,84	-0,11	5,39	1,81
			NL3 Br. Lc 3 Wind + ice WLA 1	0,63	-1,03	4,87	2,88	2,32	-0,08	3,7	1,21
			NL3 Br. Lc 3 Wind + ice WLA 3	0,63	-1,03	4,87	2,88	2,32	-0,08	3,7	1,21
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,09	0,00	-3,37	0	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,67	-1,08	5,31	3,02	2,49	-0,09	3,91	1,27
			NL3 Br. Lc 3 Wind + ice WLB 1	0,62	-0,94	4,66	2,57	2,27	-0,08	3,43	1,12
			NL3 Br. Lc 3 Wind + ice WLB 3	0,62	-0,94	4,66	2,57	2,27	-0,08	3,43	1,12
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,09	0,01	-3,37	-0,03	0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,66	-0,99	5,09	2,7	2,44	-0,08	3,64	1,19
			NL3 Br. Lc 3 Wind + ice WRA 1	0,27	-0,86	3,22	2,46	1,28	-0,06	2,78	0,91
			NL3 Br. Lc 3 Wind + ice WRA 3	0,27	-0,86	3,22	2,46	1,28	-0,06	2,78	0,91
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,09	0,00	-3,37	0	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRA Ba	0,28	-0,90	3,55	2,58	1,29	-0,06	2,88	0,95
			NL3 Br. Lc 3 Wind + ice WRB 1	0,29	-0,96	3,52	2,79	1,34	-0,06	3,1	1,01
			NL3 Br. Lc 3 Wind + ice WRB 3	0,29	-0,96	3,52	2,79	1,34	-0,06	3,1	1,01
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,09	-0,01	-3,37	0,03	-0,19	0	0,19	0,09
			NL3 Br. Lc 3 Wind + ice WRB Ba	0,29	-1,01	3,87	2,92	1,36	-0,06	3,22	1,05
			NL3 Br. Lc 4 Con & Main WLA 1	0,38	-0,66	1,27	1,94	1,41	-0,05	2,4	0,76
			NL3 Br. Lc 4 Con & Main WLA 3	0,38	-0,66	1,27	1,94	1,41	-0,05	2,4	0,76
			NL3 Br. Lc 4 Con & Main WLA B	0,38	-0,66	1,27	1,94	1,41	-0,05	2,4	0,76
			NL3 Br. Lc 4 Con & Main WLB 1	0,37	-0,58	1,09	1,66	1,37	-0,05	2,16	0,69
			NL3 Br. Lc 4 Con & Main WLB 3	0,37	-0,58	1,09	1,66	1,37	-0,05	2,16	0,69
			NL3 Br. Lc 4 Con & Main WLB B	0,37	-0,58	1,09	1,66	1,37	-0,05	2,16	0,69
			NL3 Br. Lc 4 Con & Main WRA	0,18	-0,51	-0,18	1,56	0,82	-0,03	1,77	0,54
			NL3 Br. Lc 4 Con & Main WRA	0,18	-0,51	-0,18	1,56	0,82	-0,03	1,77	0,54
			NL3 Br. Lc 4 Con & Main WRA	0,18	-0,51	-0,18	1,56	0,82	-0,03	1,77	0,54
			NL3 Br. Lc 4 Con & Main WRB	0,19	-0,60	0,08	1,86	0,87	-0,04	2,05	0,63
			NL3 Br. Lc 4 Con & Main WRB	0,19	-0,60	0,08	1,86	0,87	-0,04	2,05	0,63
			NL3 Br. Lc 4 Con & Main WRB	0,19	-0,60	0,08	1,86	0,87	-0,04	2,05	0,63
		osa6:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T BI+	-0,20	-0,01	-2,10	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,20	0,00	-2,10	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,20	0,03	-2,10	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T BI-	0,20	0,01	-2,10	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	-0,20	0,00	-2,10	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	-0,20	-0,03	-2,10	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T BI+	-0,20	-0,01	-1,58	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,20	0,00	-1,58	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,20	0,03	-1,58	-0,04	0,25	0	0,25	0,2

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa6:g	NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,20	0,01	-1,58	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,20	0,00	-1,58	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,03	-1,58	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,04	0,01	-2,10	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T Bl-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	-0,04	-0,01	-2,10	0,01	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,04	0,01	-1,58	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,04	-0,01	-1,58	0,01	-0,06	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,07	0,00	-2,10	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NR	-0,07	0,00	-2,10	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NL	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,07	0,00	-1,58	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,07	0,00	-1,58	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,04	0,01	-2,10	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	-0,04	-0,01	-2,10	0,01	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA,	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB,	0,04	0,01	-1,58	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	-0,04	-0,01	-1,58	0,01	-0,05	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba,	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba,	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa6:g	NL3 Br. Lc 1b Cold WRA 3 30 3	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA B	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB B	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA 1	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA 3	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA B	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 1	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 3	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB B	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
		osa5:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T Bl+	-0,20	-0,01	-2,10	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,20	0,00	-2,10	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,20	0,03	-2,10	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T Bl-	0,20	0,01	-2,10	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	-0,20	0,00	-2,10	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	-0,20	-0,03	-2,10	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,20	-0,01	-1,58	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,20	0,00	-1,58	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,20	0,03	-1,58	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,20	0,01	-1,58	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,20	0,00	-1,58	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,03	-1,58	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,04	0,01	-2,10	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T Bl-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	-0,04	-0,01	-2,10	0,01	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,04	0,01	-1,58	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,04	-0,01	-1,58	0,01	-0,06	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,07	0,00	-2,10	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	-0,07	0,00	-2,10	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NI	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,07	0,00	-1,58	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,07	0,00	-1,58	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,04	0,01	-2,10	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	-0,04	-0,01	-2,10	0,01	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_0	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,04	0,01	-1,58	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	-0,04	-0,01	-1,58	0,01	-0,05	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa5:g	NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA B	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB B	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
		osa4:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T Bl+	-0,20	-0,01	-2,10	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,20	0,00	-2,10	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,20	0,03	-2,10	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T Bl-	0,20	0,01	-2,10	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	-0,20	0,00	-2,10	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	-0,20	-0,03	-2,10	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,20	-0,01	-1,58	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,20	0,00	-1,58	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,20	0,03	-1,58	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,20	0,01	-1,58	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,20	0,00	-1,58	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,03	-1,58	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,04	0,01	-2,10	-0,01	0,06	0	0,06	0,05

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa4:g	NL1 Lc 1b Cold WR_0,T BI-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	-0,04	-0,01	-2,10	0,01	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T BI+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,04	0,01	-1,58	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T BI-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,04	-0,01	-1,58	0,01	-0,06	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T BI	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,07	0,00	-2,10	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	-0,07	0,00	-2,10	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NI	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,07	0,00	-1,58	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,07	0,00	-1,58	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,04	0,01	-2,10	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	-0,04	-0,01	-2,10	0,01	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,04	0,01	-1,58	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	-0,04	-0,01	-1,58	0,01	-0,05	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa4:g	NL3 Br. Lc 1b Cold WRB Ba,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Al	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Al	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Al	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Al	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA B	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB B	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
		osa3:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T Bl+	-0,20	-0,01	-2,10	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,20	0,00	-2,10	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,20	0,03	-2,10	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T Bl-	0,20	0,01	-2,10	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	-0,20	0,00	-2,10	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	-0,20	-0,03	-2,10	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,20	-0,01	-1,58	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,20	0,00	-1,58	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,20	0,03	-1,58	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,20	0,01	-1,58	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,20	0,00	-1,58	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,03	-1,58	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,04	0,01	-2,10	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T Bl-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	-0,04	-0,01	-2,10	0,01	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,04	0,01	-1,58	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,04	-0,01	-1,58	0,01	-0,06	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,07	0,00	-2,10	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NR	-0,07	0,00	-2,10	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NL	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,07	0,00	-1,58	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,07	0,00	-1,58	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,04	0,01	-2,10	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	-0,04	-0,01	-2,10	0,01	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA,	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB,	0,04	0,01	-1,58	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	-0,04	-0,01	-1,58	0,01	-0,05	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba,	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba,	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa3:g	NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA B	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB B	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA 1	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA 3	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA B	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 1	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 3	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB B	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
		osa2:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T Bl+	-0,20	-0,01	-2,10	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,20	0,00	-2,10	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,20	0,03	-2,10	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T Bl-	0,20	0,01	-2,10	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	-0,20	0,00	-2,10	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	-0,20	-0,03	-2,10	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,20	-0,01	-1,58	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,20	0,00	-1,58	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,20	0,03	-1,58	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,20	0,01	-1,58	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,20	0,00	-1,58	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,03	-1,58	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,04	0,01	-2,10	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T Bl-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	-0,04	-0,01	-2,10	0,01	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,04	0,01	-1,58	-0,01	0,06	0	0,06	0,05

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa2:g	NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR-	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,04	-0,01	-1,58	0,01	-0,06	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NR	0,07	0,00	-2,10	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	-0,07	0,00	-2,10	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NI	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,07	0,00	-1,58	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,07	0,00	-1,58	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,04	0,01	-2,10	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	-0,04	-0,01	-2,10	0,01	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,04	0,01	-1,58	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	-0,04	-0,01	-1,58	0,01	-0,05	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

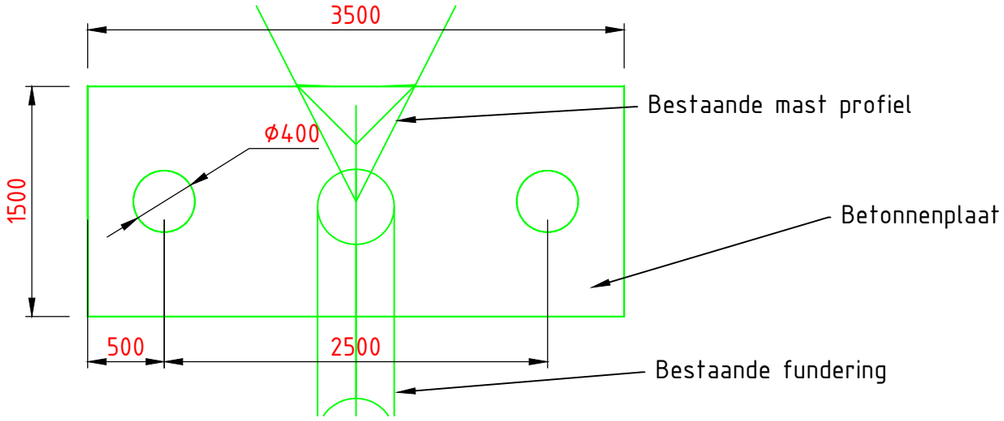
OSP32 (110kV)	osp 32 nw380.pol	osa2:g	NL3 Br. Lc 3 Wind + ice WLB 3	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Al	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA A	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB A	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA B	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB B	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA 3	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA B	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 1	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 3	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB B	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
		osa1:g	NL1 10°C GW,T Global	0,00	0,00	-1,75	0	0	0	0	0
			NL1 Lc 1a EWL WL_0,T Bl+	-0,20	-0,01	-2,10	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLA,T NR-	0,20	0,00	-2,10	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WLB,T NL-	0,20	0,03	-2,10	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WR_0,T Bl-	0,20	0,01	-2,10	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRA,T NR+	-0,20	0,00	-2,10	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL WRB,T NL+	-0,20	-0,03	-2,10	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WL_0,T Bl+	-0,20	-0,01	-1,58	0,02	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLA,T NR-	0,20	0,00	-1,58	0	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WLB,T NL-	0,20	0,03	-1,58	-0,04	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WR_0,T Bl-	0,20	0,01	-1,58	-0,02	0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRA,T NR+	-0,20	0,00	-1,58	0	-0,25	0	0,25	0,2
			NL1 Lc 1a EWL 0.9 WRB,T NL+	-0,20	-0,03	-1,58	0,04	-0,25	0	0,25	0,2
			NL1 Lc 1b Cold WL_0,T Bl+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLA,T NR-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WLB,T NL-	0,04	0,01	-2,10	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WR_0,T Bl-	0,05	0,00	-2,10	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRA,T NR+	-0,05	0,00	-2,10	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold WRB,T NL+	-0,04	-0,01	-2,10	0,01	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WL_0,T Bl+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLA,T NR-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WLB,T NL-	0,04	0,01	-1,58	-0,01	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WR_0,T Bl-	0,05	0,00	-1,58	0	0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRA,T NR+	-0,05	0,00	-1,58	0	-0,06	0	0,06	0,05
			NL1 Lc 1b Cold 0.9 WRB,T NL+	-0,04	-0,01	-1,58	0,01	-0,06	0	0,06	0,05
			NL1 Lc 3 Wind + ice WL_0,T B	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLA,T NF	0,07	0,00	-2,10	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WLB,T NL	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WR_0,T B	0,07	0,01	-2,10	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRA,T NI	-0,07	0,00	-2,10	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice WRB,T NI	-0,07	-0,01	-2,10	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WL_0,	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLA,T	0,07	0,00	-1,58	0	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WLB,T	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WR_0,	0,07	0,01	-1,58	-0,01	0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRA,T	-0,07	0,00	-1,58	0	-0,09	0	0,09	0,07
			NL1 Lc 3 Wind + ice 0.9 WRB,T	-0,07	-0,01	-1,58	0,01	-0,09	0	0,09	0,07
			NL1 Lc 4 Con & Main WL_0,T	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLA,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WLB,T N	0,04	0,01	-2,10	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WR_0,T	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRA,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main WRB,T N	-0,04	-0,01	-2,10	0,01	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WL_	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLA	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WLB	0,04	0,01	-1,58	-0,01	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WR_	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRA	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL1 Lc 4 Con & Main 0.9 WRB	-0,04	-0,01	-1,58	0,01	-0,05	0	0,05	0,04
			NL1 Lc 6 Permanent GW,T Gl	0,00	0,00	-2,37	0	0	0	0	0
			NL1 Lc 6 Permanent 0.9 GW,T	0,00	0,00	-1,58	0	0	0	0	0
			NL3 Br. Br. Lc 1a EWL WLA Ba	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WLB Ba	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRA Ba	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Br. Lc 1a EWL WRB Ba	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 5	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLA 7	0,11	0,00	-1,58	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 5	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WLB 7	0,10	0,01	-1,58	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 5	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRA 7	-0,11	0,00	-1,58	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 5	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL 0.9 WRB 7	-0,10	-0,01	-1,58	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold 0.9 WLA 5	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLA 7	0,04	0,00	-1,58	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 5	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WLB 7	0,04	0,00	-1,58	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 5	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRA 7	-0,04	0,00	-1,58	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 5	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold 0.9 WRB 7	-0,04	0,00	-1,58	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11

Belastingen voor : Fundatie belastingen mast 32 en OSP32 Vierverlaten - Grijspkerk/ Winsum Ranum

Documentnummer : 74101611-035-140-A2

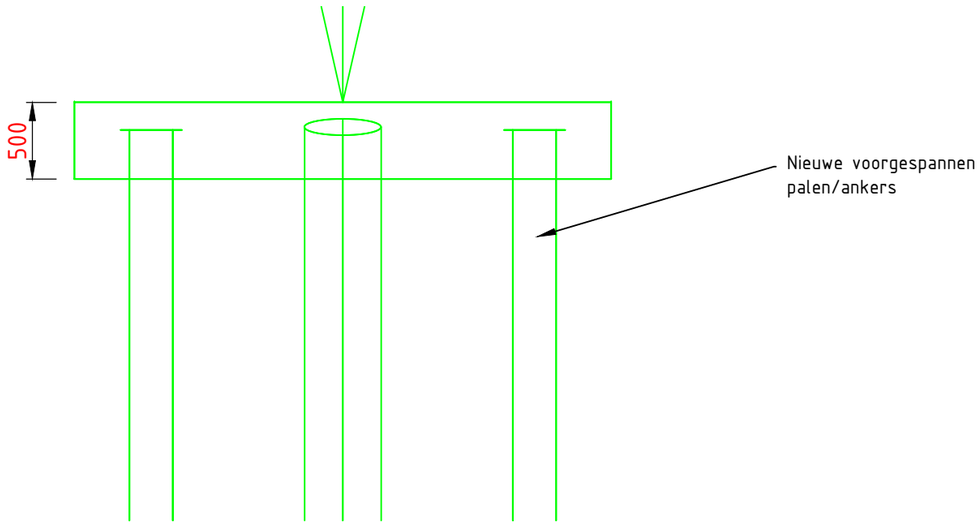
		Maximaal optredende belasting in lijnrichting (kN)	Maximaal optredende dwarsbelasting (kN)	Maximaal optredende belasting Verticaal (kN) (Negatieve waarde is compressie en een positive waarde is uplift)	transversale moment (kN)	longitudinale moment (kN)	Verticale moment (kN)	Optredend moment	Optredende dwarsbelasting
	Maximaal optredende belastingen in kN	**0,91**	**0,03**	**14,18**	**5,32**	**3,47**	**0,14**	**6,18**	**2,09**
	Minimaal optredende belastingen in kN	**-0,98**	**-1,84**	**-3,43**	**-0,05**	**-3,77**	**-0,12**	**0,00**	**0,00**

OSP32 (110kV)	osp 32 nw380.pol	osa1:g	NL3 Br. Lc 3 Wind + ice 0.9 W	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 3 Wind + ice 0.9 W	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,00	-1,58	0	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	0,11	0,02	-1,58	-0,02	0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	0,00	-1,58	0	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 4 Con & Main 0.9 V	-0,11	-0,02	-1,58	0,02	-0,14	0	0,14	0,11
			NL3 Br. Lc 1a EWL WLA 1 20 2	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA 3 30 3	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLA Ah,T N	0,11	0,00	-2,10	0	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 1 20 2	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB 3 30 3	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WLB Ah,T N	0,10	0,01	-2,10	-0,02	0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 1 20 2	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA 3 30 3	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRA Ah,T N	-0,11	0,00	-2,10	0	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 1 20 2	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB 3 30 3	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1a EWL WRB Ah,T N	-0,10	-0,01	-2,10	0,02	-0,13	0	0,13	0,11
			NL3 Br. Lc 1b Cold WLA 1 20 2	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA 3 30 3	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ah,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLA Ba,T N	0,04	0,00	-2,10	0	0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 1 20 2	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB 3 30 3	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ah,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WLB Ba,T N	0,04	0,00	-2,10	-0,01	0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 1 20 2	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA 3 30 3	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ah,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRA Ba,T N	-0,04	0,00	-2,10	0	-0,05	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 1 20 2	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB 3 30 3	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ah,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 1b Cold WRB Ba,T N	-0,04	0,00	-2,10	0,01	-0,04	0	0,05	0,04
			NL3 Br. Lc 3 Wind + ice WLA 1	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA 3	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ah	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLA Ba	0,06	0,00	-2,10	0	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 1	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB 3	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ah	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WLB Ba	0,06	0,01	-2,10	-0,01	0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 1	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA 3	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ah	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRA Ba	-0,06	0,00	-2,10	0	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 1	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB 3	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ah	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 3 Wind + ice WRB Ba	-0,06	-0,01	-2,10	0,01	-0,07	0	0,07	0,06
			NL3 Br. Lc 4 Con & Main WLA 1	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA 3	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLA A	0,03	0,00	-2,10	0	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 1	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB 3	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WLB A	0,03	0,00	-2,10	-0,01	0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA 1	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRA A	-0,03	0,00	-2,10	0	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 1	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB 3	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03
			NL3 Br. Lc 4 Con & Main WRB A	-0,03	0,00	-2,10	0,01	-0,04	0	0,04	0,03



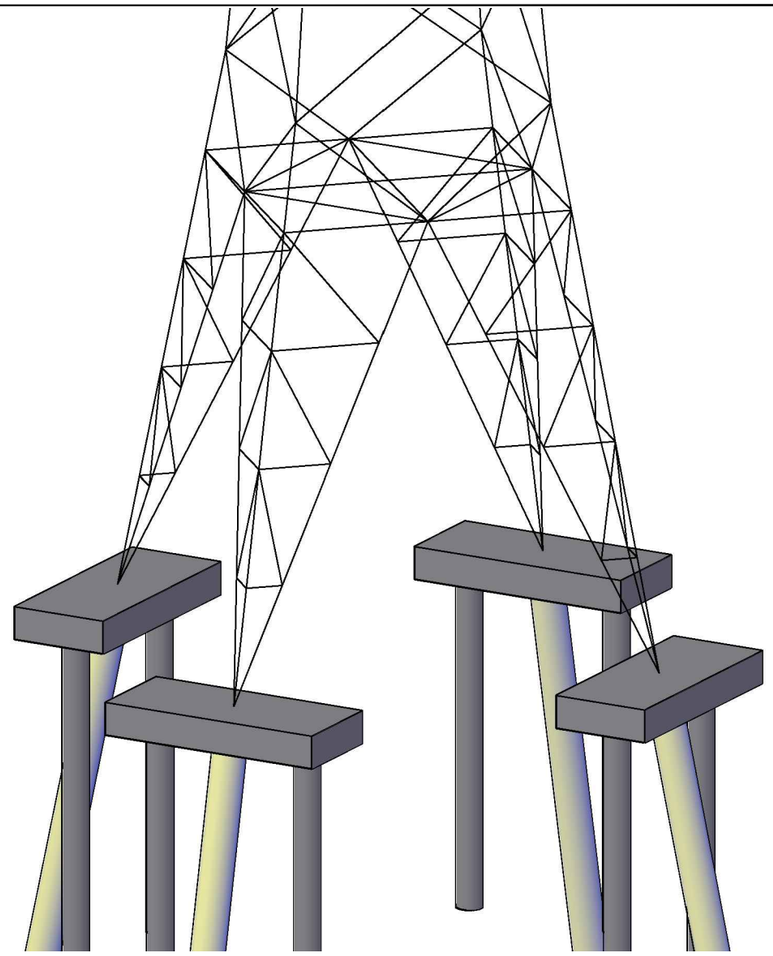
Bovenaanzicht

(een mast poot)



Aanzicht

(een mast poot)



3D Overzicht mast 32

Opmerkingen
Afmetingen indicatief

T.B.V. Vergunnings aanvraag

2.0	08-01-16	RFA verwerkt
1.0	22-10-15	Eerste uitgave

DNV·GL

Projectname:
Engineering verbinding NW380

Third angle projection:

Drawing no.:
74101611-032-473V

Design state:	CONCEPT		Scale:	1:400	
Drawn by:	RLo	08-01-16	Units:	m	
Checked by:	AJP	08-01-16	Project no:	000.144	
Approved by:	AW	08-01-16	Company:	TenneT	

Description:
Principe fundatie versterking bij mast 32
Vierverlaten - Grijspkerk / Ranum

Revision: 2.0

Format: A3

DNV GL Energy & Sustainability, Utrechtseweg 310, 6812 AR Arnhem, tel: +31 26 3 56 91 11, www.dnvgl.com

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Bepaling opneembare trekbelasting

Referentie: 74101611-32-473-A3

Sondering	DKM-4N.S03	(voorbeeld)
Type paal	Stalen buispaal met groutinjectie	

$$F_{r;trek;d} = O_{p;gem} \int_0^{\Delta l} P_{r;max;schacht;i} dz$$

Waarin:

$O_{p;gem}$	1,26	*(m)*	Diameter schacht	0,4	*(m)*
Paalvorm	Rond	*(m)*	A paal	0,13	*(m2)*
Paallengte tot.	8	*(m)*			
Aantal palen	2				
Groepseffecten	ja				

$$P_{r;max;schacht;i} \quad \propto_t * q_{c;z;a} \Big/ \xi_3 * \Upsilon_{m;b4} * \Upsilon_{m;var;qc}$$

Waarin:

ξ_3	1,28	*(-)*	Factor invloed aantal sonderingen
$\Upsilon_{m;b4}$	1,35	*(-)*	Materiaalfactor
$\Upsilon_{m;var;qc}$	1,50	*(-)*	Factor wisselende belastingen ≤ 1,5

$$\Upsilon_{m;var;qc} \quad 1 + 0{,}25 * \left(F_{s;max;rep} - F_{s;min;rep} \Big/ F_{s;max;rep} \right)$$

Belasting vanuit mast:	Bestaand	Nieuw
Maximale drukbelasting	653,63	797,33
Maximale trekbelasting/paal	553,77	672,6

Belasting toename:		
Toename drukbelasting	143,7	*(kN)*
Toename trekbelasting	118,83	*(kN)*

Waarin:

$F_{s;min;rep}$	71,85	*(kN)*	Maximale extra drukbelasting/paal
$F_{s;max;rep}$	59,415	*(kN)*	Maximale extra trekbelasting/paal

Waterstand	0	*(m)*	Beneden maaiveld
G_{paal}	11,9	*(kN)*	Gewicht funderingspaal (beton)

Voorbeeld

Bepaling trekbelasting							
Sondering	**Column1**	**Diepte**	**$q_{c;z;a}$**	***Alfa i***	***$P_{r;max;schacht;i}$***	***$F_{rtrek;di;i}$***	***$F_{trek;d}$***
Grondsoort	*(m)*	*(m)*	*(MPa)*	*(-)*	*(kPa)*	*(kN)*	*(kN)*
zand	1	0	3	0,009	10,4	13,1	13,1
zand	0	-1	3,5	0,009	12,2	15,3	28,4
klei	-1	-2	0,6	0,01	2,3	2,9	31,3
klei	-2	-3	1,2	0,01	4,6	5,8	37,1
klei	-3	-4	0,5	0,01	1,9	2,4	39,5
klei	-4	-5	0,5	0,01	1,9	2,4	41,9
klei	-5	-6	0,6	0,01	2,3	2,9	44,8
zand	-6	-7	3,5	0,009	12,2	15,3	60,1
zand	-7	-8	7	0,009	24,3	30,5	90,7
zand	-8	-9	8	0,009	27,8	34,9	125,6
zand	-9	-10	11,5	0,009	39,9	50,2	175,7
zand	-10	-11	10	0,009	34,7	43,6	219,4
zand	-11	-12	5	0,009	17,4	21,8	241,2
zand	-12	-13	6	0,009	20,8	26,2	267,4
zand	-13	-14	8	0,009	27,8	34,9	302,3
zand	-14	-15	10,5	0,009	36,5	45,8	348,1
zand	-15	-16	15	0,009	52,1	65,4	413,5
zand	-16	-17	15	0,009	52,1	65,4	479,0
zand	-17	-18	15	0,009	52,1	65,4	544,4
zand	-18	-19	15	0,009	52,1	65,4	609,9
zand	-19	-20	11	0,009	38,2	48,0	657,9
zand	-20	-21	11	0,009	38,2	48,0	705,9
zand	-21	-22	11	0,009	38,2	48,0	753,9
zand	-22	-23	11	0,009	38,2	48,0	801,9
zand	-23	-24	11	0,009	38,2	48,0	849,9
zand	-24	-25	12	0,009	41,7	52,4	902,2
zand	-25	-26	15	0,009	52,1	65,4	967,7
zand	-26	-27	15	0,009	52,1	65,4	1033,1
zand	-27	-28	15	0,009	52,1	65,4	1098,6
zand	-28	-29	15	0,009	52,1	65,4	1164,0
zand	-29	-30	15	0,009	52,1	65,4	1229,5

			$F_{trek;d}$	$F_{trek;d}$;incl groepseff.
Paalpuntniveau t.o.v. NAP	-8	*(m)*	90,66 kN	78,8742kN

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Voorbeeld

Bepaling opneembare drukbelasting

Plaats					
Sondering	DKM-4N.S03				
Diameter paalpunt	0,4	*(m)*	$O_{p;gem}$	1,26	*(m)*
Paalvorm	Rond	*(m)*	Deq	0,40	*(m2)*
Δl	8	*(m)*	Lengte waarover schachtwrijving wordt berekend		
A	0,13	*(m2)*	Oppervlakte paalpunt		
Negatieve kleef	ja				
$P_{r;max;punt;i}$<15	12	*(MN/m2)*	$1/2 * \alpha_p * \beta * (\left(q_{c;I;gem} + q_{c;II;gem}\right)/2 + q_{c;III;gem})$		
$F_{r;max;punt;i}$	1,51	*(MN)*	$A_{punt} * P_{r;max;punt;i}$		

<u>Waarin:</u>

α_p	0,8	*(-)*	Paalklasse factor
β	1	*(-)*	Paalvoet factor
s	1	*(-)*	Vorm paalvoet factor
$q_{c;I;gem}$	15	*(MPa)*	Gem. sondeerwaarde neergaande deel (4 Deq)
$q_{c;II;gem}$	15	*(MPa)*	Minimale sondeerwaarde neergaande deel (4 Deq)
$q_{c;III;gem}$	15	*(MPa)*	Gem. sondeerwaarde opgaande deel (8 Deq)

$P_{r;max;schacht;i}$	0,099	*(MN/m2)*	$\propto_s * \ q_{c;z;a}$

<u>Waarin:</u>

$\propto_s$	0,009	*(-)*	Paal factor
$q_{c;z;a}$	11	*(MPa)*	Conusweerstand
$F_{r;max;schacht;i}$	1,00	*(MN)*	$O_{p;gem} \int_0^{\Delta l} P_{r;max;schacht;i} * dz$
$F_{r;max;i}$	2,50	*(MN)*	
$F_{r;paal;max;d}$	1,63	*(MN)*	$F_{r;max;i} / \Upsilon_t * \xi_3$

<u>Waarin:</u>

Υ_t	1,2	*(-)*	Materiaalfactor
ξ_3	1,28	*(-)*	Factor afhankelijk van aantal palen en sonderingen

Opneembare drukkracht paal	1483,0	*(kN)*	Paalpuntniveau t.o.v. NAP	-8	*(m)*

Voorbeeld