

STUDIO TECNICO
Ing. Claudio TESTA
Progettazioni - topografia - sicurezza

COMUNE DI FERRAZZANO
(Provincia di Campobasso)

Oggetto:

Decreto del Ministero dell'Interno del 10.01.2019 ai sensi dell'art. 1, commi 107 - 114, Legge 30.12.2018, n. 145.

Interventi di messa in sicurezza di un tratto di strada in
Via Galileo Galilei.

Progettista
Ing. Claudio TESTA

Direttore dei Lavori
Ing. Claudio TESTA

Collaudatore in C.d'O.
Arch. Francesco NATILLI

Impresa

Allegati:

1. ☐ RELAZIONE TECNICA E QUADRO ECONOMICO;
2. ☐ DOCUMENTAZIONE GRAFICA;
3. ☐ DOCUMENTAZIONE FOTOGRAFICA;
4. ☐ ELENCO PREZZI;
5. ☐ ANALISI PREZZI;
6. ☐ COMPUTO METRICO ESTIMATIVO E COSTI DELLA SICUREZZA;
7. ☐ STIMA INCIDENZA MANODOPERA;
8. ☐ PIANO DI SICUREZZA E COORDINAMENTO E CRONOPROGRAMMA DEI LAVORI;
9. ☐ CAPITOLATO SPECIALE D'APPALTO;
10. ☐ SCHEMA DI CONTRATTO;
11. ☒ RELAZIONE DI CALCOLO GEOTECNICA E SULLE FONDAZIONI - SCHEMI GRAFICI E MODELLAZIONE;
12. ☐ RELAZIONE TECNICA SUI MATERIALI;
13. ☐ PARTICOLARI COSTRUTTIVI;
14. ☐ PIANO DI MANUTENZIONE;
15. ☐ RELAZIONE GEOLOGICA.

Committente

Data
Maggio 2019

Allegato

11

RELAZIONE DI CALCOLO

La presente relazione di calcolo ha per oggetto la realizzazione di una paratia di micropali tirantata per il contenimento di un tratto della strada comunale Via Galileo Galilei di Ferrazzano. La stessa paratia è posta a tergo del muro in c.a. esistente, ormai in condizioni di equilibrio precario, avente altezza fuori terra del paramento verticale variabile e fino ad un massimo di 2.00 m. La paratia si sviluppa per una lunghezza di 16.00 metri ed è costituita da n. 31 micropali del diametro esterno di 20 cm posti ad interasse pari a 50 cm e di lunghezza pari a 10.00 metri. I micropali sono collegati in testa da un cordolo in c.a. largo 60 cm e alto 80 cm al quale sono ancorati n. 16 tiranti passivi costituiti da micropali della lunghezza di 8.00 metri e del diametro esterno di 12 cm inclinati di 55° rispetto al piano orizzontale.

Come si evince dall'allegata relazione geologica, redatta dal Geologo Dott. Reale Antonello, i terreni dell'area in esame possono essere distinti in due unità litotecniche i cui parametri geomeccanici sono:

PARAMETRI GEOMECCANICI DEL TERRENO DI FONDAZIONE		
<u>Unità litotecnica A (terreno di riporto) 0 - 7.00 m</u>		
Peso di volume	1.75	t/mc
Angolo di attrito interno	20°	
Coesione	0.05 - 0.10	daN/cm ²
Coesione non drenata	0.40 - 0.50	daN/cm ²
<u>Unità litotecnica B (Flysh San Bartolomeo) oltre 7 m</u>		
Peso di volume	2.00	t/mc
Angolo di attrito interno	32°	
Coesione	0.20	daN/cm ²
Coesione non drenata	n.d.	daN/cm ²

Il terreno di posa delle fondazioni è stato classificato di tipo "B" secondo la tabella 3.2.II e le disposizioni riportate nel paragrafo 3.2.2 "Categorie di sottosuolo condizioni topografiche" del capitolo 3 "Azioni sulle costruzioni" del Testo Unico allegato al D.M. 17.01.2018.

Le condizioni topografiche sono state classificate della categoria T1 desunte dalla tabella 3.2.III sempre del paragrafo 3.2.2 del D.M. 17.01.2018, in fase di calcolo strutturale, quindi, è stato adottato il coefficiente di amplificazione topografica pari ad 1,00 previsto per la categoria topografica T1.

Per i calcoli strutturali sono stati considerati i carichi e le caratteristiche tecniche e prestazionali dei materiali riportati nelle tabelle che seguono, unitamente a tutti i parametri e coefficienti utilizzati per le verifiche eseguite secondo le Norme Tecniche per le Costruzioni – D.M. 17.01.18 (NTC 2018). Per tutto ciò che concerne l'aspetto idro-geologico dei terreni si rimanda alla relazione geologica allegata al progetto.

ANALISI DEI CARICHI

I pesi propri della paratia e del terreno vengono determinati in automatico dal programma di calcolo utilizzato (BulkCAD 6.5 della Concrete s.r.l.). Il calcolo delle paratia è stato eseguito sia in condizioni drenate che non drenate. Nei tabulati di calcolo che seguono sono riportati i calcoli e le verifiche della sola condizione drenata che è risultata essere la più gravosa tra le due. Della condizione non drenata si riporta il riepilogo delle verifiche geotecniche locali e globali nonché della verifica strutturale con i relativi fattori di sicurezza.

Sovraccarichi accidentali:

carico neve

Tale calcolo viene effettuato secondo le Norme tecniche per le Costruzioni - D.M. del 17 Gennaio 2018:

Il carico neve sulle coperture è valutato con la seguente espressione:

$$q_s = \mu_i \cdot q_{sk} \cdot C_e \cdot C_t$$

Dove: q_s è il carico cercato;
 μ_i è il coefficiente di forma della copertura;
 q_{sk} è il valore di riferimento del carico neve al suolo riferito ad un periodo di ritorno di 50 anni;
 C_e è il coefficiente di esposizione che viene utilizzato per modificare il carico neve in funzione delle caratteristiche dell'area in cui sorge l'opera;
 C_t è il coefficiente termico;

$C_e = 1.0$ valido per topografia: Normale (Aree in cui non è presente una significativa rimozione di neve sulla costruzione prodotta dal vento, a causa del terreno, altre costruzioni o alberi).

$C_t = 1.0$

Il carico agisce in direzione verticale ed riferito alla proiezione orizzontale della superficie della copertura.

Il carico neve al suolo dipende dalle condizioni locali di clima e di esposizione considerata la variabilità delle precipitazioni nevose da zona a zona.

Per il calcolo di qsk si è fatto riferimento alla seguente espressione :

$$qsk = 100 \cdot 0.85 [1 + (as/481)^2] \text{ daN/m}^2$$

valida per:

- Zona 2

Arezzo, Ascoli Piceno, Avellino, Bari, Barletta-Andria-Trani, Benevento, Campobasso, Chieti, Fermo, Ferrara, Firenze, Foggia, Frosinone, Genova, Gorizia, Imperia, Isernia, La Spezia, L'Aquila, Lucca, Macerata, Mantova, Massa Carrara, Padova, Perugia, Pescara, Pistoia, Prato, Rieti, Rovigo, Savona, Teramo, Trieste, Venezia, Verona.

- quota 'as' del suolo sul livello del mare >200m .

L'altezza sul livello del mare della costruzione è di 800 mt per cui il valore di riferimento del carico neve al suolo (qsk) è: **321.30 daN/m²**.

Si assume un angolo di 0 gradi sessagesimali per cui il coefficiente di forma μ_1 vale 0.80.

$$\mu_1 \cdot qsk \cdot Ce \cdot Ct = \mathbf{257.04 \text{ daN/m}^2}$$

Sul terreno a monte, a vantaggio di sicurezza, viene considerato un sovraccarico accidentale di 1000 daN/mq superiore al carico neve ed al sovraccarico per aree per traffico e sosta di veicoli leggeri (Cat. F- tabella 3.1.II del D.M. del 17.01.2018) pari a 300 daN/mq.

Per tutto quanto non espressamente trattato con la presente relazione si rimanda agli elaborati di progetto allegati.

Le unità di misura sono in [cm, daN, deg] ove non espressamente specificato.

Normative di riferimento

D.M. 17-01-18 (N.T.C.)

Circolare 7 21-01-19 C.S.LL.PP – Istruzioni per l'applicazione dell'Aggiornamento delle Norme tecniche per le costruzioni di cui al decreto ministeriale 17 gennaio 2018.

Software

Descrizione del programma BulkCAD

Si tratta di un programma di calcolo strutturale dedicato al progetto e verifica di paratie in cemento armato, acciaio e legno .Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti fornito col pacchetto .Viene consentita l'introduzione della geometria, dei carichi e degli elementi accessori, quali cordoli e tiranti; il solutore ad elementi finiti ricava spostamenti e sollecitazioni sugli elementi per le combinazioni di carico e le fasi costruttive previste .A soluzione avvenuta viene condotta la verifica di resistenza strutturale e le verifiche geotecniche di stabilità locale e globale, producendo i grafici ed i tabulati di output.In presenza di filtrazione da falde acquifere si possono ottenere le verifiche idrauliche di sifonamento e sollevamento del fondo scavo .

Specifiche tecniche

Denominazione del software: BulkCAD 6.5

Produttore del software: Concrete

Concrete srl, via della Pieve, 15, 35121 PADOVA - Italy

<http://www.concrete.it>

Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720

Versione: 6.5

Identificatore licenza: KW-5692972

Intestatario della licenza: TESTA ING. CLAUDIO - VIA LOMBARDIA, 72 - CAMPOBASSO

Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

L'analisi e il calcolo della paratia viene condotto con un metodo cosiddetto 'a molle' (SRM o Subgrade Reaction Method), utilizzando un proprio solutore agli elementi finiti fornito col pacchetto .La paratia viene schematizzata in un certo numero di aste connesse da nodi, confinate in un letto di molle elastoplastiche, precaricate dalla spinta del terreno; le altre azioni sono messe in conto applicando delle forze esterne nei nodi del modello .Tali molle possono essere attivate e disattivate, permettendo di eseguire un calcolo per fasi; il calcolo eseguito per fasi permette quindi di tenere conto della reale sequenza costruttiva dell'opera .L'analisi delle azioni di calcolo e le successive verifiche sono condotte conformemente alla normativa impostata; l'analisi può essere condotta secondo il D.M. 17-01-18 NTC o il D.M. 14-01-08 NTC, le verifiche secondo il D.M. 17-01-18 NTC o il D.M. 14-01-08 NTC o secondo EC2-EC3 .Le combinazioni di calcolo vengono create conformemente al D.M. 17-01-18 o al D.M. 14-01-08, che per le paratie richiede l'approccio DA1 (completo); è possibile creare e modificare sia le combinazioni che le fasi di calcolo .

Verifiche delle membrature in cemento armato

Le verifiche degli elementi in c.a. possono essere condotte agli stati limite in accordo al D.M. 17-01-18 o al D.M. 14-01-08 o secondo Eurocodice 2 .Le sezioni di paratia sono verificate in stato limite ultimo per flessione retta e taglio, in esercizio per limitazione delle tensioni e delle fessure .Le varie situazioni di verifica (tensioni, resistenza, apertura delle fessure) sono riportate su diagrammi che l'operatore può interrogare ottenendo i valori numerici o la verifica puntuale dettagliata .In un file dxf viene poi riportato il disegno esecutivo dettagliato completo di prospetto, sezioni e distinta delle armature.

Verifiche delle membrature in acciaio

Le verifiche delle membrature in acciaio sono limitate ai micropali tubolari ed alle palancole metalliche; tali verifiche possono essere condotte secondo D.M. 17-01-18 o D.M. 14-01-08 o Eurocodice 3 .Sono previste verifiche di resistenza a flessione e taglio e, per le sole palancole, di instabilità (buckling) .

Verifiche geotecniche e idrauliche

Vengono condotte verifiche geotecniche di stabilità locale, in particolare il collasso per carico limite verticale e lo sfilamento degli ancoraggi dal terreno .Il solutore segnala inoltre labilità o spostamenti elevati per traslazione o rotazione attorno ad un punto .Per gli strati in cui sono presenti dati di prove penetrometriche standard (SPT) è possibile valutare un fattore di sicurezza a liquefazione del terreno .Le verifiche comprendono anche la verifica di stabilità globale, valutata considerando superfici di scivolamento circolari .L'analisi viene condotta con i metodi di Bishop o Fellenius, mediante suddivisione del pendio in conci .Il coefficiente di sicurezza viene determinato sulla base di una maglia di centri definita dall'utente .In presenza di falda acquifera con carico idraulico diverso tra i due lati dell'opera si possono eseguire verifiche idrauliche di sifonamento e sollevamento del fondo scavo, se pertinente anche a breve termine .Il gradiente di filtrazione viene stimato con un metodo monodimensionale semplificato .

Dati generali

Tipo di paratia: berlinese di micropali e tiranti
Altezza totale della paratia: 1000
Lunghezza totale della paratia: 1500
Diametro di perforazione: 20
Sezione dell'anima in acciaio: EN10219 114.3x8
Tipo di acciaio: S355
Interasse tra i micropali della stessa fila: 50
Sezione del cordolo in sommità: R 60x80
Materiale del cordolo in sommità: C25/30
Materiale delle barre del cordolo in sommità: B450C

Dati del sito

Descrizione: Stratigrafia
Quota del piano campagna: 0
Quota della falda: 9999

Stratigrafia

Dsc	Thk	Inc	StfMt	Afct	Bfct	Nfct
Riporto e argilla limosa e limo sabbiosa	700	0	Bowles			
F. di San B. sabbioso	2000	0	Bowles			

Terreni presenti in sito

Dsc	Fi	Dit	Cse	Cu	Ads	Gmn	Gms	K0	Es	Ps	RQD	khorr	kvrt
Riporto e argilla limosa e limo sabbiosa	20	13	0.05	0.3	0.5	0.0019	0.0020	0.66	75	0.3	0	0	0
F. di San B. sabbioso	32	21	0.2	0	0.5	0.0020	0.0021	0.47	450	0.3	0	0.1	0.01

Significato dei simboli utilizzati:

Dsc: descrizione del suolo.
Thk: spessore dello strato. [cm]
Inc: inclinazione dello strato sull'orizzontale, positiva se antioraria. [deg]
StfMt: metodo per la valutazione della rigidezza dello strato.
Afct: fattore A della formulazione binomia della rigidezza ($k=A+B^n$).
Bfct: fattore B della formulazione binomia della rigidezza ($k=A+B^n$).
Nfct: fattore n della formulazione binomia della rigidezza ($k=A+B^n$).
Fi: angolo di attrito interno. [deg]
Dit: angolo di attrito delta all'interfaccia paratia/suolo. [deg]
Cse: coesione efficace. [daN/cm²]
Cu: coesione non drenata. [daN/cm²]
Ads: adesione della coesione all'interfaccia paratia/suolo.
Gmn: peso specifico naturale del terreno in sito. [daN/cm³]
Gms: peso specifico saturo del terreno in sito. [daN/cm³]
K0: coefficiente di spinta a riposo.
Es: modulo elastico del terreno. [daN/cm²]
Ps: modulo di Poisson del terreno.
RQD: rock Quality Degree per terreni rocciosi (0 negli altri casi).
khorr: permeabilità orizzontale. [cm/s]
kvrt: permeabilità verticale. [cm/s]

Preferenze generali

Preferenze sismiche di normativa

Azioni sismiche secondo la normativa: D.M. 17-01-18 (N.T.C.)
Località: Campobasso, Ferrazzano, Nuova Comunita'; Altitudine s.l.m. 762.2 m
Coordinate geografiche: Latitudine ED50 41.5411° (41° 32' 28"); Longitudine ED50 14.6664° (14° 39' 59")
Vita nominale (P.2.4.1): 50 anni
Classe d'uso (P.2.4.2): II
Periodo di riferimento considerato: 50 anni

Probabilità di superamento per lo SLD: 63.00%
Accelerazione max al suolo per lo SLD: 0.08
Fattore di amplificazione spettrale Fo per lo SLD: 2.356
Probabilità di superamento per lo SLV: 10.00%
Accelerazione max al suolo per lo SLV: 0.23
Fattore di amplificazione spettrale per lo SLV: 2.44
Categoria del suolo (Tab.3.2.II): Suolo_B
Amplificazione stratigrafica Ss allo SLD (Tab.3.2.IV): 1.2
Amplificazione stratigrafica Ss allo SLV (Tab.3.2.IV): 1.18
Amplificazione topografica St (Tab.3.2.V): 1
Coefficiente di deformabilità alfa (Fig.7.11.2): 1
Coefficiente di spostamento beta (Fig.7.11.3): 1
Coefficiente di riduzione al sito betaS (Tab.7.11.I): 0.28
Coeff. sismico orizzontale SLV per struttura: 0.271
Coeff. sismico orizzontale SLV per valutazione della spinta nelle condizioni di equilibrio passivo: 0.271
Coeff. sismico verticale SLV per struttura: 0
Coeff. sismico orizzontale SLV per pendio: 0.076
Coeff. sismico verticale SLV per pendio: 0
Posizione della risultante: Metà dell'altezza
Tratto di applicazione del sisma: sull'intera altezza della paratia

Preferenze per il calcolo delle sezioni in c.a.

Norma per la verifica strutturale: Stati limite D.M.14-01-2017
Verifica a taglio condotta con inclinazione variabile del traliccio di Moersh
Coefficiente Fi per viscosità del cls: 2
Tolleranza di posa armature: 1
Riduzione tau in cattiva aderenza: 0.7

Preferenze per il calcolo delle sezioni in acciaio

Norma per la verifica strutturale: Norme Tecniche NTC18 - Capitolo 4
Coeff. M0: 1.05
Coeff. M1: 1.05

Preferenze per il solutore ad elementi finiti

Metodo di risoluzione solutore: Tangente
Lunghezza massima di discretizzazione: 20
Numero massimo di iterazioni: 50
Tolleranza solutore: 0.0001

Preferenze geotecniche generali

Metodo di calcolo delle spinte terra: MononobeOkabe
Condizione di spinta considerata nel calcolo: LungoTermine
Ampiezza bulbo a destra (solo per calcolo rigidezze secondo bulbo tensioni): 100
Ampiezza bulbo a sinistra (solo per calcolo rigidezze secondo bulbo tensioni): 100

Preferenze per la verifica di stabilità globale

Metodo di calcolo stabilità globale: Bishop
Coeff. di sicurezza limite per stabilità globale: 1.3
Passo massimo dei conci: 100
Resistenza al taglio della paratia (solo per stabilità globale): 5

Preferenze per le verifiche di stabilità locali

Metodo di calcolo portanza verticale: Hansen

Combinazioni e Fasi di carico

Tabella condizioni elementari di carico

Descrizione	Nome breve	Durata	Psi0	Psi1	Psi2
Carichi permanenti	Perm.	Permanente			
Carichi permanenti non strutturali	Perm.P	Permanente			
Carichi variabili	Var.	Media	0.7	0.7	0.6
Carichi sismici orizzontali	Sis.h	Istantaneo			
Carichi sismici verticali	Sis.v	Istantaneo			

Tabella combinazioni caratteristiche

Nome	Nome breve	Tipo	Prm	PrmP	Var	SisH	SisV
Caratteristica G1	Chr G1	SLEr	1	0	0	0	0
Caratteristica G1Q1	Chr G1Q1	SLEr	1	1	1	0	0
Caratteristica G1SisP	Chr G1SisP	SLVml	1	1	0.6	1	0
Caratteristica G1SisM	Chr G1SisM	SLVml	1	1	0.6	-1	0

Tabella combinazioni per ricerca meccanismo di collasso

Nome	Nome breve	Tipo	Prm	PrmP	Var	SisH	SisV
------	------------	------	-----	------	-----	------	------

Nome	Nome breve	Tipo	Prm	PrmP	Var	SisH	SisV
Collasso A2M2	Coll A2M2	GEO	1	1.3	1.3	0	0

Tabella combinazioni di calcolo

Nome	Nome breve	Tipo	Prm	PrmP	Var	SisH	SisV
SLE rara	SLEr 1	SLEr	1	0	1	0	0
SLE rara	SLEr 2	SLEr	1	0	0	0	0
SLE fr	SLEf 1	SLEf	1	0	0.7	0	0
SLE fr	SLEf 2	SLEf	1	0	0	0	0
SLE qp	SLEqp 1	SLEqp	1	0	0.6	0	0
SLE qp	SLEqp 2	SLEqp	1	0	0	0	0
STR (A1+M1)	STR 1	STR	1.3	0	1.5	0	0
STR (A1+M1)	STR 2	STR	1.3	0	0	0	0
STR (A1+M1)	STR 3	STR	1	0	1.5	0	0
STR (A1+M1)	STR 4	STR	1	0	0	0	0
GEO (A2+M2)	GEO 1	GEO	1	0	1.3	0	0
GEO (A2+M2)	GEO 2	GEO	1	0	0	0	0
SLD (M1)	SLDm1 1	SLDm1	1	0	0.6	1	1
SLD (M1)	SLDm1 2	SLDm1	1	0	0.6	1	-1
SLD (M1)	SLDm1 3	SLDm1	1	0	0.6	-1	1
SLD (M1)	SLDm1 4	SLDm1	1	0	0.6	-1	-1
SLV (M1)	SLVml 1	SLVml	1	0	0.6	1	1
SLV (M1)	SLVml 2	SLVml	1	0	0.6	1	-1
SLV (M1)	SLVml 3	SLVml	1	0	0.6	-1	1
SLV (M1)	SLVml 4	SLVml	1	0	0.6	-1	-1

Tabella fasi di calcolo

Fase/gg	Operazione
0	Scavo nullo di inizializzazione del terreno (Fase = 0)
1	Scavo del terreno (Spessore complessivo = 200; Lato = Sinistra; Fase = 1)
2	Inserimento tirante di micropali (Quota di attacco = 40; Lato di inserimento = Destra; Inclinazione = 55; Interasse = 100; Sfalsamento = 50; Diametro foro = 12; Diametro bulbo = 12; Lungh. libera = 0; Lungh. ancorata = 800; % sbulbatura = 1; Materiale iniezione = C20/25; Capacita portante tirante = Default (Riporto e argilla limosa e limo sabbiosa); Default (20500); Default (4524); Default (7556); Default (4524); Default (7556); Durabilit� = Permanente; Coeff. sicurezza minimo = 1; Materiale = S355; Sezione = EN10219 76.1x5; Resistenza STR caratteristica = 39648; Fase = 2)
3	Applicazione carico al suolo > nastriforme (Distanza X = 0; Quota (Z) = 0; Ampiezza = 2000; Pressione iniziale permanente = 0; Pressione iniziale permanente portato = 0; Pressione iniziale variabile = 0.1; Pressione finale permanente = 0; Pressione finale permanente portato = 0; Pressione finale variabile = 0.1; Fase = 3)
4	Inserimento delle spinte sismiche (Quota (Z) = 0; Ampiezza = 1000; Fase = 4)

Azioni esterne

Tabella carichi nastriformi applicati sul suolo

Da fase	A fase	quota	Xini	Xfin	Amp	ViniG1	ViniG2	ViniQ1	VfinG1	VfinG2	VfinQ1
3	ultima	0	0	2000	2000	0	0	0.1	0	0	0.1

Tabella carichi sismici applicati su paratia

Da fase	A fase	Quota superiore	Quota inferiore
4	ultima	0	1000

Significato dei simboli utilizzati:

Descrizione: nome assegnato alla condizione elementare.

Nome breve: nome breve assegnato alla condizione elementare.

Durata: descrive la durata della condizione (necessario per strutture in legno).

Psi0: coefficiente moltiplicatore Psi0.

Psi1: coefficiente moltiplicatore Psi1.

Psi2: coefficiente moltiplicatore Psi2.

Nome: nome assegnato alla combinazione di calcolo.

Nome breve: nome breve assegnato alla combinazione di calcolo.

Tipo: famiglia di appartenenza.

Prm: coefficiente parziale applicato ai carichi permanenti.

PrmP: coefficiente parziale applicato ai carichi permanenti non strutturali.

Var: coefficiente parziale applicato ai carichi variabili.

SisH: coefficiente parziale applicato ai carichi sismici orizzontali.

SisV: coefficiente parziale applicato ai carichi sismici verticali.

Fase/gg: fase di calcolo (giorno).

Operazione: operazione di costruzione eseguita in una certa fase.

Da fase: prima fase in cui il carico   attivo.

A fase: ultima fase in cui il carico   attivo.

quota: quota del punto di applicazione del carico. [cm]

Xini: coordinata x iniziale di applicazione del carico. [cm]

Xfin: coordinata x finale di applicazione del carico. [cm]

Amp: ampiezza della stesa di carico. [cm]

ViniG1: valore iniziale del carico (pressione) in condizione permanente. [daN/cm²]

ViniG2: valore iniziale del carico (pressione) in condizione permanente portato. [daN/cm²]

ViniQ1: valore iniziale del carico (pressione) in condizione variabile. [daN/cm²]

VfinG1: valore finale del carico (pressione) in condizione permanente. [daN/cm²]

VfinG2: valore finale del carico (pressione) in condizione permanente portato. [daN/cm²]

VfinQ1: valore finale del carico (pressione) in condizione variabile. [daN/cm²]

Quota superiore: quota superiore di applicazione del carico. [cm]

Quota inferiore: quota inferiore di applicazione del carico. [cm]

Pressioni agenti sulla paratia nelle fasi di calcolo

Pressioni generate dal terreno sulla paratia

quota	Cmb	Stg	pressioni sul fianco sinistro						pressioni sul fianco destro					
			attiva	Riposo	passiva	corrente	sismica	diffusa	attiva	riposo	passiva	corrente	sismica	diffusa
0	Chr G1	4	0	0	0	0	0	0	0	0	-0.16	0	0	0
20	Chr G1	4	0	0	0	0	0	0	0	0	-0.22	0	0	0
40	Chr G1	4	0	0	0	0	0	0	0	0	-0.3	0	0	0
60	Chr G1	4	0	0	0	0	0	0	0	0	-0.38	0	0	0
80	Chr G1	4	0	0	0	0	0	0	0	-0.02	-0.45	0	0	0
100	Chr G1	4	0	0	0	0	0	0	-0.02	-0.04	-0.53	-0.02	0	0
120	Chr G1	4	0	0	0	0	0	0	-0.03	-0.07	-0.61	-0.03	0	0
140	Chr G1	4	0	0	0	0	0	0	-0.05	-0.09	-0.69	-0.05	0	0
160	Chr G1	4	0	0	0	0	0	0	-0.07	-0.12	-0.76	-0.07	0	0
180	Chr G1	4	0	0	0	0	0	0	-0.08	-0.14	-0.84	-0.08	0	0
200	Chr G1	4	0	0	0	0	0	0	-0.1	-0.17	-0.92	-0.1	0	0
220	Chr G1	4	0	0	-0.16	-0.16	0	0	-0.12	-0.19	-1	-0.12	0	0
240	Chr G1	4	0	0	-0.22	-0.22	0	0	-0.13	-0.22	-1.07	-0.13	0	0
260	Chr G1	4	0	0	-0.3	-0.3	0	0	-0.15	-0.24	-1.15	-0.15	0	0
280	Chr G1	4	0	0	-0.38	-0.36	0	0	-0.17	-0.27	-1.23	-0.17	0	0
300	Chr G1	4	0	-0.02	-0.45	-0.3	0	0	-0.18	-0.29	-1.31	-0.18	0	0
320	Chr G1	4	-0.02	-0.04	-0.53	-0.25	0	0	-0.2	-0.32	-1.38	-0.2	0	0
340	Chr G1	4	-0.03	-0.07	-0.61	-0.22	0	0	-0.22	-0.35	-1.46	-0.22	0	0
360	Chr G1	4	-0.05	-0.09	-0.69	-0.2	0	0	-0.23	-0.37	-1.54	-0.23	0	0
380	Chr G1	4	-0.07	-0.12	-0.76	-0.2	0	0	-0.25	-0.4	-1.62	-0.25	0	0
400	Chr G1	4	-0.08	-0.14	-0.84	-0.22	0	0	-0.27	-0.42	-1.69	-0.28	0	0
420	Chr G1	4	-0.1	-0.17	-0.92	-0.24	0	0	-0.28	-0.45	-1.77	-0.3	0	0
440	Chr G1	4	-0.12	-0.19	-1	-0.28	0	0	-0.3	-0.47	-1.85	-0.32	0	0
460	Chr G1	4	-0.13	-0.22	-1.07	-0.31	0	0	-0.32	-0.5	-1.93	-0.33	0	0
480	Chr G1	4	-0.15	-0.24	-1.15	-0.34	0	0	-0.33	-0.52	-2	-0.35	0	0
500	Chr G1	4	-0.17	-0.27	-1.23	-0.37	0	0	-0.35	-0.55	-2.08	-0.37	0	0
520	Chr G1	4	-0.18	-0.29	-1.31	-0.4	0	0	-0.37	-0.57	-2.16	-0.4	0	0
540	Chr G1	4	-0.2	-0.32	-1.38	-0.43	0	0	-0.38	-0.6	-2.24	-0.42	0	0
560	Chr G1	4	-0.22	-0.35	-1.46	-0.45	0	0	-0.4	-0.62	-2.31	-0.45	0	0
580	Chr G1	4	-0.23	-0.37	-1.54	-0.48	0	0	-0.42	-0.65	-2.39	-0.47	0	0
600	Chr G1	4	-0.25	-0.4	-1.62	-0.51	0	0	-0.43	-0.67	-2.47	-0.5	0	0
620	Chr G1	4	-0.27	-0.42	-1.69	-0.53	0	0	-0.45	-0.7	-2.55	-0.53	0	0
640	Chr G1	4	-0.28	-0.45	-1.77	-0.55	0	0	-0.47	-0.72	-2.62	-0.56	0	0
660	Chr G1	4	-0.3	-0.47	-1.85	-0.56	0	0	-0.48	-0.75	-2.7	-0.61	0	0
680	Chr G1	4	-0.32	-0.5	-1.93	-0.57	0	0	-0.5	-0.77	-2.78	-0.67	0	0
700	Chr G1	4	-0.19	-0.34	-2.85	-0.5	0	0	-0.34	-0.57	-3.96	-0.34	0	0
720	Chr G1	4	-0.05	-0.17	-3.82	-0.27	0	0	-0.17	-0.37	-5.18	-0.24	0	0
740	Chr G1	4	-0.06	-0.19	-3.95	-0.27	0	0	-0.18	-0.39	-5.31	-0.29	0	0
760	Chr G1	4	-0.07	-0.21	-4.08	-0.29	0	0	-0.19	-0.41	-5.44	-0.31	0	0
780	Chr G1	4	-0.09	-0.23	-4.21	-0.31	0	0	-0.2	-0.43	-5.57	-0.32	0	0
800	Chr G1	4	-0.1	-0.25	-4.34	-0.33	0	0	-0.21	-0.44	-5.7	-0.33	0	0
820	Chr G1	4	-0.11	-0.27	-4.47	-0.35	0	0	-0.22	-0.46	-5.83	-0.35	0	0
840	Chr G1	4	-0.12	-0.29	-4.6	-0.37	0	0	-0.23	-0.48	-5.96	-0.37	0	0
860	Chr G1	4	-0.13	-0.3	-4.73	-0.39	0	0	-0.24	-0.5	-6.09	-0.39	0	0
880	Chr G1	4	-0.14	-0.32	-4.86	-0.41	0	0	-0.26	-0.52	-6.22	-0.41	0	0
900	Chr G1	4	-0.15	-0.34	-4.99	-0.43	0	0	-0.27	-0.54	-6.35	-0.43	0	0
920	Chr G1	4	-0.16	-0.36	-5.12	-0.45	0	0	-0.28	-0.56	-6.48	-0.45	0	0
940	Chr G1	4	-0.17	-0.38	-5.25	-0.47	0	0	-0.29	-0.58	-6.61	-0.47	0	0
960	Chr G1	4	-0.18	-0.4	-5.38	-0.49	0	0	-0.3	-0.6	-6.74	-0.49	0	0
980	Chr G1	4	-0.2	-0.42	-5.51	-0.5	0	0	-0.31	-0.61	-6.87	-0.5	0	0
1000	Chr G1	4	-0.2	-0.43	-5.61	-0.52	0	0	-0.32	-0.63	-6.97	-0.52	0	0
0	Chr GIQ1	4	0	0	0	0	0	0	0	0	-0.16	0	0	-0.05
20	Chr GIQ1	4	0	0	0	0	0	0	0	0	-0.22	0	0	-0.05
40	Chr GIQ1	4	0	0	0	0	0	0	0	0	-0.3	0	0	-0.05
60	Chr GIQ1	4	0	0	0	0	0	0	0	0	-0.38	0	0	-0.05
80	Chr GIQ1	4	0	0	0	0	0	0	0	-0.02	-0.45	0	0	-0.05
100	Chr GIQ1	4	0	0	0	0	0	0	-0.02	-0.04	-0.53	-0.02	0	-0.05
120	Chr GIQ1	4	0	0	0	0	0	0	-0.03	-0.07	-0.61	-0.03	0	-0.05
140	Chr GIQ1	4	0	0	0	0	0	0	-0.05	-0.09	-0.69	-0.05	0	-0.05
160	Chr GIQ1	4	0	0	0	0	0	0	-0.07	-0.12	-0.76	-0.07	0	-0.04
180	Chr GIQ1	4	0	0	0	0	0	0	-0.08	-0.14	-0.84	-0.08	0	-0.04
200	Chr GIQ1	4	0	0	0	0	0	0	-0.1	-0.17	-0.92	-0.1	0	-0.04
220	Chr GIQ1	4	0	0	-0.16	-0.16	0	0	-0.12	-0.19	-1	-0.12	0	-0.04
240	Chr GIQ1	4	0	0	-0.22	-0.22	0	0	-0.13	-0.22	-1.07	-0.13	0	-0.04
260	Chr GIQ1	4	0	0	-0.3	-0.3	0	0	-0.15	-0.24	-1.15	-0.15	0	-0.04
280	Chr GIQ1	4	0	0	-0.38	-0.38	0	0	-0.17	-0.27	-1.23	-0.17	0	-0.04
300	Chr GIQ1	4	0	-0.02	-0.45	-0.45	0	0	-0.18	-0.29	-1.31	-0.18	0	-0.04
320	Chr GIQ1	4	-0.02	-0.04	-0.53	-0.43	0	0	-0.2	-0.32	-1.38	-0.2	0	-0.04
340	Chr GIQ1	4	-0.03	-0.07	-0.61	-0.34	0	0	-0.22	-0.35	-1.46	-0.22	0	-0.04
360	Chr GIQ1	4	-0.05	-0.09	-0.69	-0.28	0	0	-0.23	-0.37	-1.54	-0.23	0	-0.04
380	Chr GIQ1	4	-0.07	-0.12	-0.76	-0.24	0	0	-0.25	-0.4	-1.62	-0.25	0	-0.04
400	Chr GIQ1	4	-0.08	-0.14	-0.84	-0.24	0	0	-0.27	-0.42	-1.69	-0.27	0	-0.04
420	Chr GIQ1	4	-0.1	-0.17	-0.92	-0.25	0	0	-0.28	-0.45	-1.77	-0.29	0	-0.04
440	Chr GIQ1	4	-0.12	-0.19	-1	-0.28	0	0	-0.3	-0.47	-1.85	-0.31	0	-0.04
460	Chr GIQ1	4	-0.13	-0.22	-1.07	-0.31	0	0	-0.32	-0.5	-1.93	-0.33	0	-0.04
480	Chr GIQ1	4	-0.15	-0.24	-1.15	-0.35	0	0	-0.33	-0.52	-2	-0.34	0	-0.04
500	Chr GIQ1	4	-0.17	-0.27	-1.23	-0.38	0	0	-0.35	-0.55	-2.08	-0.36	0	-0.03
520	Chr GIQ1	4	-0.18	-0.29	-1.31	-0.41	0	0	-0.37	-0.57	-2.16	-0.38	0	-0.03
540	Chr GIQ1	4	-0.2	-0.32	-1.38	-0.44	0	0	-0.38	-0.6	-2.24	-0.4	0	-0.03
560	Chr GIQ1	4	-0.22	-0.35	-1.46	-0.47	0	0	-0.4	-0.62	-2.31	-0.43	0	-0.03
580	Chr GIQ1	4	-0.23	-0.37	-1.54	-0.49	0	0	-0.42	-0.65	-2.39	-0.45	0	-0.03
600	Chr GIQ1	4	-0.25	-0.4	-1.62	-0.52	0	0	-0.43	-0.67	-2.47	-0.48	0	-0.03
620	Chr GIQ1	4	-0.27	-0.42	-1.69	-0.54	0	0	-0.45	-0.7	-2.55	-0.51	0	-0.03
640	Chr GIQ1	4	-0.28	-0.45	-1.77	-0.56	0	0	-0.47	-0.72	-2.62	-0.55	0	-0.03
660	Chr GIQ1	4	-0.3	-0.47	-1.85	-0.58	0	0	-0.48	-0.75	-2.7	-0.59	0	-0.03
680	Chr GIQ1	4	-0.32	-0.5	-1.93	-0.57	0	0	-0.5	-0.77	-2.78	-0.66	0	-0.03
700	Chr GIQ1	4	-0.19	-0.34	-2.85	-0.53	0	0	-0.34	-0.57	-3.96	-0.34	0	-0.03
720	Chr GIQ1	4	-0.05	-0.17	-3.82	-0.28	0	0	-0.17	-0.37	-5.18	-0.22	0	-0.03
740	Chr GIQ1	4	-0.06	-0.19	-3.95	-0.28	0	0	-0.18	-0.39	-5.31	-0.27	0	-0.03
760	Chr GIQ1	4	-0.07	-0.21	-4.08	-0.3	0	0	-0.19	-0.41	-5.44	-0.29	0	-0.03
780	Chr GIQ1	4	-0.09	-0.23	-4.21	-0.32	0	0	-0.2	-0.43	-5.57	-0.3	0	-0.03
800	Chr GIQ1	4	-0.1	-0.25	-4.34	-0.34	0	0	-0.21	-0.44	-5.7	-0.32	0	-0.03
820	Chr GIQ1	4	-0.11	-0.27	-4.47	-0.36	0	0	-0.22	-0.46	-5.83	-0.34	0	-0.03
840	Chr GIQ1	4	-0.12	-0.29	-4.6	-0.38	0	0	-0.23	-0.48	-5.96	-0.36	0	-0.03
860	Chr GIQ1	4	-0.13	-0.3	-4.73	-0.4	0	0	-0.24	-0.5	-6.09	-0.38	0	-0.03
880	Chr GIQ1	4	-0.14	-0.32	-4.86	-0.42	0	0	-0.26	-0.52	-6.22	-0.39	0	-0.03
900	Chr GIQ1	4	-0.15	-0.34	-4.99	-0.44	0	0	-0.27	-0.54	-6.35	-0.41	0	-0.02
920	Chr GIQ1	4	-0.16	-0.36	-5.12	-0.46	0	0	-0.28	-0.56	-6.48	-0.43	0	-0.02
940	Chr GIQ1	4	-0.17	-0.38	-5.25	-0.48	0	0	-0.29	-0.58	-6.61	-0.45	0	-0.02
960	Chr GIQ1	4	-0.18	-0.4	-5.38	-0.5	0	0	-0.3	-0.6	-6.74	-0.47	0	-0.02

quota	Cmb	Stg	pressioni sul fianco sinistro						pressioni sul fianco destro					
			attiva	Riposo	passiva	corrente	sismica	diffusa	attiva	riposo	passiva	corrente	sismica	diffusa
980	Chr G1Q1	4	-0.2	-0.42	-5.61	-0.61	0	0	-0.31	-0.61	-6.87	-0.49	0	-0.02
1000	Chr G1Q1	4	-0.2	-0.43	-5.61	-0.53	0	0	-0.32	-0.63	-6.97	-0.51	0	-0.02
0	Chr G1SisP	4	0	0	0	0	0	0	0	0	-0.14	0	-0.19	-0.03
20	Chr G1SisP	4	0	0	0	0	0	0	0	0	-0.18	0	-0.19	-0.03
40	Chr G1SisP	4	0	0	0	0	0	0	0	0	-0.24	0	-0.19	-0.03
60	Chr G1SisP	4	0	0	0	0	0	0	0	0	-0.3	0	-0.19	-0.03
80	Chr G1SisP	4	0	0	0	0	0	0	0	-0.02	-0.36	0	-0.19	-0.03
100	Chr G1SisP	4	0	0	0	0	0	0	-0.02	-0.04	-0.42	-0.02	-0.19	-0.03
120	Chr G1SisP	4	0	0	0	0	0	0	-0.03	-0.07	-0.48	-0.03	-0.19	-0.03
140	Chr G1SisP	4	0	0	0	0	0	0	-0.05	-0.09	-0.54	-0.05	-0.19	-0.03
160	Chr G1SisP	4	0	0	0	0	0	0	-0.07	-0.12	-0.6	-0.07	-0.19	-0.03
180	Chr G1SisP	4	0	0	0	0	0	0	-0.08	-0.14	-0.66	-0.08	-0.19	-0.03
200	Chr G1SisP	4	0	0	0	0	0	0	-0.1	-0.17	-0.72	-0.1	-0.19	-0.03
220	Chr G1SisP	4	0	0	-0.14	-0.14	0	0	-0.12	-0.19	-0.78	-0.12	-0.19	-0.03
240	Chr G1SisP	4	0	0	-0.18	-0.18	0	0	-0.13	-0.22	-0.84	-0.13	-0.19	-0.03
260	Chr G1SisP	4	0	0	-0.24	-0.24	0	0	-0.15	-0.24	-0.89	-0.15	-0.19	-0.03
280	Chr G1SisP	4	0	0	-0.3	-0.3	0	0	-0.17	-0.27	-0.95	-0.17	-0.19	-0.02
300	Chr G1SisP	4	0	-0.02	-0.36	-0.36	0	0	-0.18	-0.29	-1.01	-0.18	-0.19	-0.02
320	Chr G1SisP	4	-0.02	-0.04	-0.42	-0.42	0	0	-0.2	-0.32	-1.07	-0.2	-0.19	-0.02
340	Chr G1SisP	4	-0.03	-0.07	-0.48	-0.48	0	0	-0.22	-0.35	-1.13	-0.22	-0.19	-0.02
360	Chr G1SisP	4	-0.05	-0.09	-0.54	-0.54	0	0	-0.23	-0.37	-1.19	-0.23	-0.19	-0.02
380	Chr G1SisP	4	-0.07	-0.12	-0.6	-0.6	0	0	-0.25	-0.4	-1.25	-0.25	-0.19	-0.02
400	Chr G1SisP	4	-0.08	-0.14	-0.66	-0.66	0	0	-0.27	-0.42	-1.31	-0.27	-0.19	-0.02
420	Chr G1SisP	4	-0.1	-0.17	-0.72	-0.72	0	0	-0.28	-0.45	-1.37	-0.28	-0.19	-0.02
440	Chr G1SisP	4	-0.12	-0.19	-0.78	-0.78	0	0	-0.3	-0.47	-1.43	-0.3	-0.19	-0.02
460	Chr G1SisP	4	-0.13	-0.22	-0.84	-0.84	0	0	-0.32	-0.5	-1.49	-0.32	-0.19	-0.02
480	Chr G1SisP	4	-0.15	-0.24	-0.89	-0.89	0	0	-0.33	-0.52	-1.55	-0.33	-0.19	-0.02
500	Chr G1SisP	4	-0.17	-0.27	-0.95	-0.95	0	0	-0.35	-0.55	-1.61	-0.35	-0.19	-0.02
520	Chr G1SisP	4	-0.18	-0.29	-1.01	-0.96	0	0	-0.37	-0.57	-1.66	-0.37	-0.19	-0.02
540	Chr G1SisP	4	-0.2	-0.32	-1.07	-0.94	0	0	-0.38	-0.6	-1.72	-0.4	-0.19	-0.02
560	Chr G1SisP	4	-0.22	-0.35	-1.13	-0.93	0	0	-0.4	-0.62	-1.78	-0.49	-0.19	-0.02
580	Chr G1SisP	4	-0.23	-0.37	-1.19	-0.97	0	0	-0.42	-0.65	-1.84	-0.49	-0.19	-0.02
600	Chr G1SisP	4	-0.25	-0.4	-1.25	-0.93	0	0	-0.43	-0.67	-1.9	-0.46	-0.19	-0.02
620	Chr G1SisP	4	-0.27	-0.42	-1.31	-0.99	0	0	-0.45	-0.7	-1.96	-0.45	-0.19	-0.02
640	Chr G1SisP	4	-0.28	-0.45	-1.37	-0.93	0	0	-0.47	-0.72	-2.02	-0.47	-0.19	-0.02
660	Chr G1SisP	4	-0.3	-0.47	-1.43	-0.94	0	0	-0.48	-0.75	-2.08	-0.49	-0.19	-0.02
680	Chr G1SisP	4	-0.32	-0.5	-1.49	-0.94	0	0	-0.5	-0.77	-2.14	-0.57	-0.19	-0.02
700	Chr G1SisP	4	-0.19	-0.34	-2.35	-0.73	0	0	-0.34	-0.57	-3.24	-0.34	-0.19	-0.02
720	Chr G1SisP	4	-0.05	-0.17	-3.25	-0.43	0	0	-0.17	-0.37	-4.39	-0.17	-0.19	-0.02
740	Chr G1SisP	4	-0.06	-0.19	-3.36	-0.38	0	0	-0.18	-0.39	-4.5	-0.18	-0.19	-0.02
760	Chr G1SisP	4	-0.07	-0.21	-3.47	-0.37	0	0	-0.19	-0.41	-4.61	-0.19	-0.19	-0.02
780	Chr G1SisP	4	-0.09	-0.23	-3.58	-0.39	0	0	-0.2	-0.43	-4.71	-0.21	-0.19	-0.02
800	Chr G1SisP	4	-0.11	-0.25	-3.69	-0.42	0	0	-0.21	-0.44	-4.82	-0.22	-0.19	-0.02
820	Chr G1SisP	4	-0.11	-0.27	-3.79	-0.44	0	0	-0.22	-0.46	-4.93	-0.24	-0.19	-0.02
840	Chr G1SisP	4	-0.12	-0.29	-3.9	-0.46	0	0	-0.23	-0.48	-5.04	-0.26	-0.19	-0.02
860	Chr G1SisP	4	-0.13	-0.3	-4.01	-0.48	0	0	-0.24	-0.5	-5.15	-0.28	-0.19	-0.02
880	Chr G1SisP	4	-0.14	-0.32	-4.12	-0.5	0	0	-0.26	-0.52	-5.26	-0.3	-0.19	-0.02
900	Chr G1SisP	4	-0.15	-0.34	-4.23	-0.52	0	0	-0.27	-0.54	-5.37	-0.32	-0.19	-0.01
920	Chr G1SisP	4	-0.16	-0.36	-4.34	-0.53	0	0	-0.28	-0.56	-5.48	-0.34	-0.19	-0.01
940	Chr G1SisP	4	-0.17	-0.38	-4.45	-0.55	0	0	-0.29	-0.58	-5.59	-0.35	-0.19	-0.01
960	Chr G1SisP	4	-0.18	-0.4	-4.56	-0.57	0	0	-0.3	-0.6	-5.69	-0.37	-0.19	-0.01
980	Chr G1SisP	4	-0.2	-0.42	-4.67	-0.59	0	0	-0.31	-0.61	-5.8	-0.39	-0.19	-0.01
1000	Chr G1SisP	4	-0.2	-0.43	-4.75	-0.61	0	0	-0.32	-0.63	-5.88	-0.41	-0.19	-0.01
0	Chr G1SisM	4	0	0	0	0	0	0	0	0	-0.14	0	0	-0.03
20	Chr G1SisM	4	0	0	0	0	0	0	0	0	-0.18	0	0	-0.03
40	Chr G1SisM	4	0	0	0	0	0	0	0	0	-0.24	0	0	-0.03
60	Chr G1SisM	4	0	0	0	0	0	0	0	0	-0.3	0	0	-0.03
80	Chr G1SisM	4	0	0	0	0	0	0	0	-0.02	-0.36	0	0	-0.03
100	Chr G1SisM	4	0	0	0	0	0	0	-0.02	-0.04	-0.42	-0.02	0	-0.03
120	Chr G1SisM	4	0	0	0	0	0	0	-0.03	-0.07	-0.48	-0.03	0	-0.03
140	Chr G1SisM	4	0	0	0	0	0	0	-0.05	-0.09	-0.54	-0.05	0	-0.03
160	Chr G1SisM	4	0	0	0	0	0	0	-0.07	-0.12	-0.6	-0.07	0	-0.03
180	Chr G1SisM	4	0	0	0	0	0	0	-0.08	-0.14	-0.66	-0.08	0	-0.03
200	Chr G1SisM	4	0	0	0	0	0	0	-0.1	-0.17	-0.72	-0.1	0	-0.03
220	Chr G1SisM	4	0	0	-0.14	-0.14	0.12	0	-0.12	-0.19	-0.78	-0.12	0	-0.03
240	Chr G1SisM	4	0	0	-0.18	-0.18	0.12	0	-0.13	-0.22	-0.84	-0.13	0	-0.03
260	Chr G1SisM	4	0	0	-0.24	-0.24	0.12	0	-0.15	-0.24	-0.89	-0.15	0	-0.03
280	Chr G1SisM	4	0	0	-0.3	-0.28	0.12	0	-0.17	-0.27	-0.95	-0.17	0	-0.02
300	Chr G1SisM	4	0	-0.02	-0.36	-0.21	0.12	0	-0.18	-0.29	-1.01	-0.18	0	-0.02
320	Chr G1SisM	4	-0.02	-0.04	-0.42	-0.16	0.12	0	-0.2	-0.32	-1.07	-0.2	0	-0.02
340	Chr G1SisM	4	-0.03	-0.07	-0.48	-0.13	0.12	0	-0.22	-0.35	-1.13	-0.22	0	-0.02
360	Chr G1SisM	4	-0.05	-0.09	-0.54	-0.13	0.12	0	-0.23	-0.37	-1.19	-0.3	0	-0.02
380	Chr G1SisM	4	-0.07	-0.12	-0.6	-0.14	0.12	0	-0.25	-0.4	-1.25	-0.35	0	-0.02
400	Chr G1SisM	4	-0.08	-0.14	-0.66	-0.17	0.12	0	-0.27	-0.42	-1.31	-0.37	0	-0.02
420	Chr G1SisM	4	-0.1	-0.17	-0.72	-0.21	0.12	0	-0.28	-0.45	-1.37	-0.37	0	-0.02
440	Chr G1SisM	4	-0.12	-0.19	-0.78	-0.24	0.12	0	-0.3	-0.47	-1.43	-0.38	0	-0.02
460	Chr G1SisM	4	-0.13	-0.22	-0.84	-0.28	0.12	0	-0.32	-0.5	-1.49	-0.39	0	-0.02
480	Chr G1SisM	4	-0.15	-0.24	-0.89	-0.31	0.12	0	-0.33	-0.52	-1.55	-0.41	0	-0.02
500	Chr G1SisM	4	-0.17	-0.27	-0.95	-0.34	0.12	0	-0.35	-0.55	-1.61	-0.43	0	-0.02
520	Chr G1SisM	4	-0.18	-0.29	-1.01	-0.36	0.12	0	-0.37	-0.57	-1.66	-0.46	0	-0.02
540	Chr G1SisM	4	-0.2	-0.32	-1.07	-0.39	0.12	0	-0.38	-0.6	-1.72	-0.49	0	-0.02
560	Chr G1SisM	4	-0.22	-0.35	-1.13	-0.41	0.12	0	-0.4	-0.62	-1.78	-0.51	0	-0.02
580	Chr G1SisM	4	-0.23	-0.37	-1.19	-0.44	0.12	0	-0.42	-0.65	-1.84	-0.54	0	-0.02
600	Chr G1SisM	4	-0.25	-0.4	-1.25	-0.47	0.12	0	-0.43	-0.67	-1.9	-0.56	0	-0.02
620	Chr G1SisM	4	-0.27	-0.42	-1.31	-0.49	0.12	0	-0.45	-0.7	-1.96	-0.59	0	-0.02
640	Chr G1SisM	4	-0.28	-0.45	-1.37	-0.51	0.12	0	-0.47	-0.72	-2.02	-0.62	0	-0.02
660	Chr G1SisM	4	-0.3	-0.47	-1.43	-0.53	0.12	0	-0.48	-0.75	-2.08	-0.66	0	-0.02
680	Chr G1SisM	4	-0.32	-0.5	-1.49	-0.54	0.12	0	-0.5	-0.77	-2.14	-0.71	0	-0.02
700	Chr G1SisM	4	-0.19	-0.34	-2.35	-0.43	0.12	0	-0.34	-0.57	-3.24	-0.44	0	-0.02
720	Chr G1SisM	4	-0.05	-0.17	-3.25	-0.22	0.12	0	-0.17	-0.37	-4.39	-0.3	0	-0.02
740	Chr G1SisM	4	-0.06	-0.19	-3.36	-0.23	0.12	0	-0.18	-0.39	-4.5	-0.34	0	-0.02
760	Chr G1SisM	4	-0.07	-0.21	-3.47	-0.24	0.12	0	-0.19	-0.41	-4.61	-0.36	0	-0.02
780	Chr G1SisM	4	-0.09	-0.23	-3.58	-0.27	0.12	0	-0.2	-0.43	-4.71	-0.38	0	-0.02
800	Chr G1SisM	4	-0.1	-0.25	-3.69	-0.29	0.12	0	-0.21	-0.44	-4.82	-0.39	0	-0.02
820	Chr G1SisM	4	-0.11	-0.27	-3.79	-0.31	0.12	0	-0.22	-0.46	-4.93	-0.41	0	-0.02
840	Chr G1SisM	4	-0.12	-0.29										

			pressioni sul fianco sinistro						pressioni sul fianco destro					
quota	Cmb	Stg	attiva	Riposo	passiva	corrente	sismica	diffusa	attiva	riposo	passiva	corrente	sismica	diffusa
940	Chr G1SisM	4	-0.17	-0.38	-4.45	-0.42	0.12	0	-0.29	-0.58	-5.59	-0.53	0	-0.01
960	Chr G1SisM	4	-0.18	-0.4	-4.56	-0.44	0.12	0	-0.3	-0.6	-5.69	-0.55	0	-0.01
980	Chr G1SisM	4	-0.2	-0.42	-4.67	-0.46	0.12	0	-0.31	-0.61	-5.8	-0.57	0	-0.01
1000	Chr G1SisM	4	-0.2	-0.43	-4.75	-0.47	0.12	0	-0.32	-0.63	-5.88	-0.58	0	-0.01

Significato dei simboli utilizzati:

quota: quota di calcolo. [cm]

Cmb: combinazione.

Stg: fase di calcolo.

pressioni sul fianco sinistro: pressioni a sinistra.

attiva: pressione limite attiva sul lato di sinistra. [daN/cm²]

Riposo: pressione a riposo sul lato di sinistra. [daN/cm²]

passiva: pressione limite passiva sul lato di sinistra. [daN/cm²]

corrente: pressione corrente sul lato di sinistra. [daN/cm²]

sismica: pressione sismica sul lato di sinistra. [daN/cm²]

diffusa: pressione diffusa da carichi verticali sul lato di sinistra. [daN/cm²]

pressioni sul fianco destro: pressioni a destra.

attiva: pressione limite attiva sul lato di destra. [daN/cm²]

riposo: pressione a riposo sul lato di destra. [daN/cm²]

passiva: pressione limite passiva sul lato di destra. [daN/cm²]

corrente: pressione corrente sul lato di destra. [daN/cm²]

sismica: pressione sismica sul lato di destra. [daN/cm²]

diffusa: pressione diffusa da carichi verticali sul lato di destra. [daN/cm²]

Modello ad elementi finiti

Il modello è costituito da 50 aste delle seguenti caratteristiche:

Lunghezza: 20

Area: 26.72

Area di taglio FEM: 12.35

Momento di inerzia FEM: 445

Modulo elastico longitudinale E: 2100000

Modulo elastico tangenziale G: 807692

La presenza del terreno è modellata da molle elastoplastiche precaricate poste nei nodi.

Molle elastoplastiche del modello ad elementi finiti ottenute con coefficienti per la resistenza dei materiali M1

		molle sul fianco sinistro				molle sul fianco destro			
quota	Stg	K	Ymin	Ymax	Pr	K	Ymin	Ymax	Pr
0	0	521	-81	0	0	521	-81	0	0
20	0	1654	-220	0	0	1654	-220	0	0
40	0	2267	-298	0	0	2267	-298	0	0
60	0	2880	-375	0	-1	2880	-375	0	-1
80	0	3492	-453	-2	-19	3492	-453	-2	-19
100	0	4105	-530	-17	-44	4105	-530	-17	-44
120	0	4718	-608	-34	-69	4718	-608	-34	-69
140	0	5331	-685	-50	-94	5331	-685	-50	-94
160	0	5943	-763	-67	-119	5943	-763	-67	-119
180	0	6556	-840	-84	-144	6556	-840	-84	-144
200	0	7169	-918	-100	-170	7169	-918	-100	-170
220	0	7781	-995	-117	-195	7781	-995	-117	-195
240	0	8394	-1073	-134	-220	8394	-1073	-134	-220
260	0	9007	-1150	-150	-245	9007	-1150	-150	-245
280	0	9620	-1228	-167	-270	9620	-1228	-167	-270
300	0	10232	-1305	-184	-295	10232	-1305	-184	-295
320	0	10845	-1383	-201	-320	10845	-1383	-201	-320
340	0	11458	-1460	-217	-345	11458	-1460	-217	-345
360	0	12071	-1538	-234	-370	12071	-1538	-234	-370
380	0	12683	-1615	-251	-395	12683	-1615	-251	-395
400	0	13296	-1693	-267	-420	13296	-1693	-267	-420
420	0	13909	-1770	-284	-445	13909	-1770	-284	-445
440	0	14521	-1848	-301	-471	14521	-1848	-301	-471
460	0	15134	-1925	-317	-496	15134	-1925	-317	-496
480	0	15747	-2003	-334	-521	15747	-2003	-334	-521
500	0	16360	-2080	-351	-546	16360	-2080	-351	-546
520	0	16972	-2158	-367	-571	16972	-2158	-367	-571
540	0	17585	-2235	-384	-596	17585	-2235	-384	-596
560	0	18198	-2313	-401	-621	18198	-2313	-401	-621
580	0	18811	-2390	-417	-646	18811	-2390	-417	-646
600	0	19423	-2468	-434	-671	19423	-2468	-434	-671
620	0	20036	-2545	-451	-696	20036	-2545	-451	-696
640	0	20649	-2623	-467	-721	20649	-2623	-467	-721
660	0	21262	-2700	-484	-746	21262	-2700	-484	-746
680	0	21874	-2778	-501	-771	21874	-2778	-501	-771
700	0	91369	-3959	-336	-573	91369	-3959	-336	-573
720	0	93704	-5180	-167	-370	93704	-5180	-167	-370
740	0	96040	-5311	-178	-388	96040	-5311	-178	-388
760	0	98376	-5441	-189	-407	98376	-5441	-189	-407
780	0	100712	-5571	-200	-426	100712	-5571	-200	-426
800	0	103048	-5701	-211	-445	103048	-5701	-211	-445
820	0	105384	-5831	-222	-464	105384	-5831	-222	-464
840	0	107720	-5962	-233	-482	107720	-5962	-233	-482
860	0	110056	-6092	-244	-501	110056	-6092	-244	-501
880	0	112392	-6222	-255	-520	112392	-6222	-255	-520
900	0	114728	-6352	-266	-539	114728	-6352	-266	-539
920	0	117064	-6482	-277	-558	117064	-6482	-277	-558
940	0	119400	-6612	-288	-576	119400	-6612	-288	-576

		molle sul fianco sinistro				molle sul fianco destro			
quota	Stg	K	Ymin	Ymax	Pr	K	Ymin	Ymax	Pr
960	0	121736	-6743	-299	-595	121736	-6743	-299	-595
980	0	124071	-6873	-310	-614	124071	-6873	-310	-614
1000	0	63204	-3485	-159	-314	63204	-3485	-159	-314
0	1					521	-81	0	0
20	1					1654	-220	0	0
40	1					2267	-298	0	0
60	1					2880	-375	0	-1
80	1					3492	-453	-2	-19
100	1					4105	-530	-17	-44
120	1					4718	-608	-34	-69
140	1					5331	-685	-50	-94
160	1					5943	-763	-67	-119
180	1					6556	-840	-84	-144
200	1					7169	-918	-100	-170
220	1	1041	-162	0	0	7781	-995	-117	-195
240	1	1654	-220	0	0	8394	-1073	-134	-220
260	1	2267	-298	0	0	9007	-1150	-150	-245
280	1	2880	-375	0	-1	9620	-1228	-167	-270
300	1	3492	-453	-2	-19	10232	-1305	-184	-295
320	1	4105	-530	-17	-44	10845	-1383	-201	-320
340	1	4718	-608	-34	-69	11458	-1460	-217	-345
360	1	5331	-685	-50	-94	12071	-1538	-234	-370
380	1	5943	-763	-67	-119	12683	-1615	-251	-395
400	1	6556	-840	-84	-144	13296	-1693	-267	-420
420	1	7169	-918	-100	-170	13909	-1770	-284	-445
440	1	7781	-995	-117	-195	14521	-1848	-301	-471
460	1	8394	-1073	-134	-220	15134	-1925	-317	-496
480	1	9007	-1150	-150	-245	15747	-2003	-334	-521
500	1	9620	-1228	-167	-270	16360	-2080	-351	-546
520	1	10232	-1305	-184	-295	16972	-2158	-367	-571
540	1	10845	-1383	-201	-320	17585	-2235	-384	-596
560	1	11458	-1460	-217	-345	18198	-2313	-401	-621
580	1	12071	-1538	-234	-370	18811	-2390	-417	-646
600	1	12683	-1615	-251	-395	19423	-2468	-434	-671
620	1	13296	-1693	-267	-420	20036	-2545	-451	-696
640	1	13909	-1770	-284	-445	20649	-2623	-467	-721
660	1	14521	-1848	-301	-471	21262	-2700	-484	-746
680	1	15134	-1925	-317	-496	21874	-2778	-501	-771
700	1	65673	-2853	-187	-337	91369	-3959	-336	-573
720	1	68009	-3820	-52	-173	93704	-5180	-167	-370
740	1	70345	-3950	-63	-192	96040	-5311	-178	-388
760	1	72681	-4080	-74	-211	98376	-5441	-189	-407
780	1	75017	-4211	-85	-230	100712	-5571	-200	-426
800	1	77353	-4341	-96	-248	103048	-5701	-211	-445
820	1	79689	-4471	-107	-267	105384	-5831	-222	-464
840	1	82025	-4601	-118	-286	107720	-5962	-233	-482
860	1	84361	-4731	-129	-305	110056	-6092	-244	-501
880	1	86697	-4861	-140	-324	112392	-6222	-255	-520
900	1	89033	-4992	-151	-342	114728	-6352	-266	-539
920	1	91369	-5122	-162	-361	117064	-6482	-277	-558
940	1	93704	-5252	-173	-380	119400	-6612	-288	-576
960	1	96040	-5382	-184	-399	121736	-6743	-299	-595
980	1	98376	-5512	-195	-418	124071	-6873	-310	-614
1000	1	50356	-2805	-102	-216	63204	-3485	-159	-314
0	2					521	-81	0	0
20	2					1654	-220	0	0
40	2					2267	-298	0	0
60	2					2880	-375	0	-1
80	2					3492	-453	-2	-19
100	2					4105	-530	-17	-44
120	2					4718	-608	-34	-69
140	2					5331	-685	-50	-94
160	2					5943	-763	-67	-119
180	2					6556	-840	-84	-144
200	2					7169	-918	-100	-170
220	2	1041	-162	0	0	7781	-995	-117	-195
240	2	1654	-220	0	0	8394	-1073	-134	-220
260	2	2267	-298	0	0	9007	-1150	-150	-245
280	2	2880	-375	0	-1	9620	-1228	-167	-270
300	2	3492	-453	-2	-19	10232	-1305	-184	-295
320	2	4105	-530	-17	-44	10845	-1383	-201	-320
340	2	4718	-608	-34	-69	11458	-1460	-217	-345
360	2	5331	-685	-50	-94	12071	-1538	-234	-370
380	2	5943	-763	-67	-119	12683	-1615	-251	-395
400	2	6556	-840	-84	-144	13296	-1693	-267	-420
420	2	7169	-918	-100	-170	13909	-1770	-284	-445
440	2	7781	-995	-117	-195	14521	-1848	-301	-471
460	2	8394	-1073	-134	-220	15134	-1925	-317	-496
480	2	9007	-1150	-150	-245	15747	-2003	-334	-521
500	2	9620	-1228	-167	-270	16360	-2080	-351	-546
520	2	10232	-1305	-184	-295	16972	-2158	-367	-571
540	2	10845	-1383	-201	-320	17585	-2235	-384	-596
560	2	11458	-1460	-217	-345	18198	-2313	-401	-621
580	2	12071	-1538	-234	-370	18811	-2390	-417	-646
600	2	12683	-1615	-251	-395	19423	-2468	-434	-671
620	2	13296	-1693	-267	-420	20036	-2545	-451	-696
640	2	13909	-1770	-284	-445	20649	-2623	-467	-721
660	2	14521	-1848	-301	-471	21262	-2700	-484	-746
680	2	15134	-1925	-317	-496	21874	-2778	-501	-771
700	2	65673	-2853	-187	-337	91369	-3959	-336	-573
720	2	68009	-3820	-52	-173	93704	-5180	-167	-370
740	2	70345	-3950	-63	-192	96040	-5311	-178	-388
760	2	72681	-4080	-74	-211	98376	-5441	-189	-407
780	2	75017	-4211	-85	-230	100712	-5571	-200	-426
800	2	77353	-4341	-96	-248	103048	-5701	-211	-445
820	2	79689	-4471	-107	-267	105384	-5831	-222	-464
840	2	82025	-4601	-118	-286	107720	-5962	-233	-482
860	2	84361	-4731	-129	-305	110056	-6092	-244	-501
880	2	86697	-4861	-140	-324	112392	-6222	-255	-520
900	2	89033	-4992	-151	-342	114728	-6352	-266	-539

quota	Stg	molle sul fianco sinistro				molle sul fianco destro			
		K	Ymin	Ymax	Pr	K	Ymin	Ymax	Pr
920	2	91369	-5122	-162	-361	117064	-6482	-277	-558
940	2	93704	-5252	-173	-380	119400	-6612	-288	-576
960	2	96040	-5382	-184	-399	121736	-6743	-299	-595
980	2	98376	-5512	-195	-418	124071	-6873	-310	-614
1000	2	50356	-2805	-102	-216	63204	-3485	-159	-314
0	3					521	-81	0	0
20	3					1654	-220	0	0
40	3					2267	-298	0	0
60	3					2880	-375	0	-1
80	3					3492	-453	-2	-19
100	3					4105	-530	-17	-44
120	3					4718	-608	-34	-69
140	3					5331	-685	-50	-94
160	3					5943	-763	-67	-119
180	3					6556	-840	-84	-144
200	3					7169	-918	-100	-170
220	3	1041	-162	0	0	7781	-995	-117	-195
240	3	1654	-220	0	0	8394	-1073	-134	-220
260	3	2267	-298	0	0	9007	-1150	-150	-245
280	3	2880	-375	0	-1	9620	-1228	-167	-270
300	3	3492	-453	-2	-19	10232	-1305	-184	-295
320	3	4105	-530	-17	-44	10845	-1383	-201	-320
340	3	4718	-608	-34	-69	11458	-1460	-217	-345
360	3	5331	-685	-50	-94	12071	-1538	-234	-370
380	3	5943	-763	-67	-119	12683	-1615	-251	-395
400	3	6556	-840	-84	-144	13296	-1693	-267	-420
420	3	7169	-918	-100	-170	13909	-1770	-284	-445
440	3	7781	-995	-117	-195	14521	-1848	-301	-471
460	3	8394	-1073	-134	-220	15134	-1925	-317	-496
480	3	9007	-1150	-150	-245	15747	-2003	-334	-521
500	3	9620	-1228	-167	-270	16360	-2080	-351	-546
520	3	10232	-1305	-184	-295	16972	-2158	-367	-571
540	3	10845	-1383	-201	-320	17585	-2235	-384	-596
560	3	11458	-1460	-217	-345	18198	-2313	-401	-621
580	3	12071	-1538	-234	-370	18811	-2390	-417	-646
600	3	12683	-1615	-251	-395	19423	-2468	-434	-671
620	3	13296	-1693	-267	-420	20036	-2545	-451	-696
640	3	13909	-1770	-284	-445	20649	-2623	-467	-721
660	3	14521	-1848	-301	-471	21262	-2700	-484	-746
680	3	15134	-1925	-317	-496	21874	-2778	-501	-771
700	3	65673	-2853	-187	-337	91369	-3959	-336	-573
720	3	68009	-3820	-52	-173	93704	-5180	-167	-370
740	3	70345	-3950	-63	-192	96040	-5311	-178	-388
760	3	72681	-4080	-74	-211	98376	-5441	-189	-407
780	3	75017	-4211	-85	-230	100712	-5571	-200	-426
800	3	77353	-4341	-96	-248	103048	-5701	-211	-445
820	3	79689	-4471	-107	-267	105384	-5831	-222	-464
840	3	82025	-4601	-118	-286	107720	-5962	-233	-482
860	3	84361	-4731	-129	-305	110056	-6092	-244	-501
880	3	86697	-4861	-140	-324	112392	-6222	-255	-520
900	3	89033	-4992	-151	-342	114728	-6352	-266	-539
920	3	91369	-5122	-162	-361	117064	-6482	-277	-558
940	3	93704	-5252	-173	-380	119400	-6612	-288	-576
960	3	96040	-5382	-184	-399	121736	-6743	-299	-595
980	3	98376	-5512	-195	-418	124071	-6873	-310	-614
1000	3	50356	-2805	-102	-216	63204	-3485	-159	-314
0	4					521	-81	0	0
20	4					1654	-220	0	0
40	4					2267	-298	0	0
60	4					2880	-375	0	-1
80	4					3492	-453	-2	-19
100	4					4105	-530	-17	-44
120	4					4718	-608	-34	-69
140	4					5331	-685	-50	-94
160	4					5943	-763	-67	-119
180	4					6556	-840	-84	-144
200	4					7169	-918	-100	-170
220	4	1041	-162	0	0	7781	-995	-117	-195
240	4	1654	-220	0	0	8394	-1073	-134	-220
260	4	2267	-298	0	0	9007	-1150	-150	-245
280	4	2880	-375	0	-1	9620	-1228	-167	-270
300	4	3492	-453	-2	-19	10232	-1305	-184	-295
320	4	4105	-530	-17	-44	10845	-1383	-201	-320
340	4	4718	-608	-34	-69	11458	-1460	-217	-345
360	4	5331	-685	-50	-94	12071	-1538	-234	-370
380	4	5943	-763	-67	-119	12683	-1615	-251	-395
400	4	6556	-840	-84	-144	13296	-1693	-267	-420
420	4	7169	-918	-100	-170	13909	-1770	-284	-445
440	4	7781	-995	-117	-195	14521	-1848	-301	-471
460	4	8394	-1073	-134	-220	15134	-1925	-317	-496
480	4	9007	-1150	-150	-245	15747	-2003	-334	-521
500	4	9620	-1228	-167	-270	16360	-2080	-351	-546
520	4	10232	-1305	-184	-295	16972	-2158	-367	-571
540	4	10845	-1383	-201	-320	17585	-2235	-384	-596
560	4	11458	-1460	-217	-345	18198	-2313	-401	-621
580	4	12071	-1538	-234	-370	18811	-2390	-417	-646
600	4	12683	-1615	-251	-395	19423	-2468	-434	-671
620	4	13296	-1693	-267	-420	20036	-2545	-451	-696
640	4	13909	-1770	-284	-445	20649	-2623	-467	-721
660	4	14521	-1848	-301	-471	21262	-2700	-484	-746
680	4	15134	-1925	-317	-496	21874	-2778	-501	-771
700	4	65673	-2853	-187	-337	91369	-3959	-336	-573
720	4	68009	-3820	-52	-173	93704	-5180	-167	-370
740	4	70345	-3950	-63	-192	96040	-5311	-178	-388
760	4	72681	-4080	-74	-211	98376	-5441	-189	-407
780	4	75017	-4211	-85	-230	100712	-5571	-200	-426
800	4	77353	-4341	-96	-248	103048	-5701	-211	-445
820	4	79689	-4471	-107	-267	105384	-5831	-222	-464
840	4	82025	-4601	-118	-286	107720	-5962	-233	-482
860	4	84361	-4731	-129	-305	110056	-6092	-244	-501

quota	Stg	molle sul fianco sinistro				molle sul fianco destro			
		K	Ymin	Ymax	Pr	K	Ymin	Ymax	Pr
880	4	86697	-4861	-140	-324	112392	-6222	-255	-520
900	4	89033	-4992	-151	-342	114728	-6352	-266	-539
920	4	91369	-5122	-162	-361	117064	-6482	-277	-558
940	4	93704	-5252	-173	-380	119400	-6612	-288	-576
960	4	96040	-5382	-184	-399	121736	-6743	-299	-595
980	4	98376	-5512	-195	-418	124071	-6873	-310	-614
1000	4	50356	-2805	-102	-216	63204	-3485	-159	-314

Significato dei simboli utilizzati:

quota: quota del nodo al quale la molla è collegata. [cm]

Stg: fase di calcolo.

molle sul fianco sinistro: pressioni a sinistra.

K: rigidezza estensionale della molla. [daN/cm]

Ymin: snervamento minimo della molla. [daN]

Ymax: snervamento massimo della molla. [daN]

Pr: presollecitazione assiale della molla. [daN]

molle sul fianco destro: pressioni a destra.

Spostamenti nodali nelle fasi di calcolo

Spostamenti nodali nelle fasi di calcolo

quota	Cmb	Stg	Ux	Uz	Ry	U
180	SLVm1 1	4	-2.87	-0.06	-0.0012	2.87
180	SLDm1 1	4	-2.87	-0.06	-0.0012	2.87
180	SLDm1 2	4	-2.87	-0.06	-0.0012	2.87
180	SLVm1 2	4	-2.87	-0.06	-0.0012	2.87
160	SLDm1 1	4	-2.87	-0.06	0.0014	2.87
160	SLDm1 2	4	-2.87	-0.06	0.0014	2.87
160	SLVm1 1	4	-2.87	-0.06	0.0014	2.87
160	SLVm1 2	4	-2.87	-0.06	0.0014	2.87
200	SLVm1 2	4	-2.82	-0.06	-0.0038	2.82
200	SLVm1 1	4	-2.82	-0.06	-0.0038	2.82
200	SLDm1 1	4	-2.82	-0.06	-0.0038	2.82
200	SLDm1 2	4	-2.82	-0.06	-0.0038	2.82
140	SLVm1 2	4	-2.82	-0.06	0.0039	2.82
140	SLVm1 1	4	-2.82	-0.06	0.0039	2.82
140	SLDm1 2	4	-2.82	-0.06	0.0039	2.82
140	SLDm1 1	4	-2.82	-0.06	0.0039	2.82
180	Chr G1SisP	4	-2.76	-0.05	-0.0009	2.76
160	Chr G1SisP	4	-2.75	-0.06	0.0015	2.75
220	SLVm1 1	4	-2.72	-0.06	-0.0063	2.72
220	SLDm1 1	4	-2.72	-0.06	-0.0063	2.72
220	SLVm1 2	4	-2.72	-0.06	-0.0063	2.72
220	SLDm1 2	4	-2.72	-0.06	-0.0063	2.72
200	Chr G1SisP	4	-2.72	-0.05	-0.0034	2.72
120	SLDm1 1	4	-2.71	-0.06	0.0062	2.71
120	SLDm1 2	4	-2.71	-0.06	0.0062	2.71
120	SLVm1 1	4	-2.71	-0.06	0.0062	2.71
120	SLVm1 2	4	-2.71	-0.06	0.0062	2.71
140	Chr G1SisP	4	-2.7	-0.06	0.0038	2.7
220	Chr G1SisP	4	-2.62	-0.05	-0.0057	2.63
120	Chr G1SisP	4	-2.6	-0.06	0.0059	2.6
240	SLVm1 1	4	-2.57	-0.06	-0.0084	2.57
240	SLDm1 1	4	-2.57	-0.06	-0.0084	2.57
240	SLVm1 2	4	-2.57	-0.06	-0.0084	2.57
240	SLDm1 2	4	-2.57	-0.06	-0.0084	2.57
100	SLVm1 1	4	-2.57	-0.07	0.0081	2.57
100	SLDm1 2	4	-2.57	-0.07	0.0081	2.57
100	SLDm1 1	4	-2.57	-0.07	0.0081	2.57
100	SLVm1 2	4	-2.57	-0.07	0.0081	2.57
240	Chr G1SisP	4	-2.49	-0.05	-0.0077	2.49
100	Chr G1SisP	4	-2.46	-0.06	0.0077	2.46
80	SLVm1 2	4	-2.39	-0.07	0.0095	2.39
80	SLVm1 1	4	-2.39	-0.07	0.0095	2.39
80	SLDm1 1	4	-2.39	-0.07	0.0095	2.39
80	SLDm1 2	4	-2.39	-0.07	0.0095	2.39
260	SLDm1 1	4	-2.38	-0.05	-0.0102	2.38
260	SLVm1 2	4	-2.38	-0.05	-0.0102	2.38
260	SLVm1 1	4	-2.38	-0.05	-0.0102	2.38
260	SLDm1 2	4	-2.38	-0.05	-0.0102	2.38
260	Chr G1SisP	4	-2.31	-0.05	-0.0095	2.31
80	Chr G1SisP	4	-2.29	-0.06	0.009	2.29
60	SLDm1 1	4	-2.18	-0.07	0.0104	2.19
60	SLVm1 1	4	-2.18	-0.07	0.0104	2.19
60	SLDm1 2	4	-2.18	-0.07	0.0104	2.19
60	SLVm1 2	4	-2.18	-0.07	0.0104	2.19
280	SLDm1 1	4	-2.16	-0.05	-0.0116	2.16
280	SLDm1 2	4	-2.16	-0.05	-0.0116	2.16
280	SLVm1 1	4	-2.16	-0.05	-0.0116	2.16
280	SLVm1 2	4	-2.16	-0.05	-0.0116	2.16
280	Chr G1SisP	4	-2.11	-0.05	-0.0109	2.11
60	Chr G1SisP	4	-2.1	-0.06	0.0098	2.1
40	SLDm1 2	4	-1.97	-0.07	0.0105	1.97
40	SLVm1 1	4	-1.97	-0.07	0.0105	1.97
40	SLDm1 1	4	-1.97	-0.07	0.0105	1.97
40	SLVm1 2	4	-1.97	-0.07	0.0105	1.97
0	STR 1	4	-1.94	-0.03	-0.005	1.94
300	SLVm1 2	4	-1.92	-0.05	-0.0125	1.92
300	SLDm1 2	4	-1.92	-0.05	-0.0125	1.92
300	SLVm1 1	4	-1.92	-0.05	-0.0125	1.92
300	SLDm1 1	4	-1.92	-0.05	-0.0125	1.92
40	Chr G1SisP	4	-1.9	-0.06	0.01	1.9

quota	Cmb	Stg	Ux	Uz	Ry	U
300	Chr G1SisP	4	-1.88	-0.05	-0.0118	1.88
20	STR 1	4	-1.84	-0.03	-0.005	1.84
0	STR 2	4	-1.81	-0.02	-0.0064	1.81
20	SLVml 2	4	-1.76	-0.07	0.0104	1.76
20	SLVml 1	4	-1.76	-0.07	0.0104	1.76
20	SLDml 2	4	-1.76	-0.07	0.0104	1.76
20	SLDml 1	4	-1.76	-0.07	0.0104	1.76
40	STR 1	4	-1.74	-0.03	-0.0049	1.74
20	Chr G1SisP	4	-1.7	-0.06	0.0099	1.7
20	STR 2	4	-1.68	-0.02	-0.0064	1.68
320	SLDml 1	4	-1.66	-0.05	-0.0129	1.66
320	SLDml 2	4	-1.66	-0.05	-0.0129	1.66
320	SLVml 2	4	-1.66	-0.05	-0.0129	1.66
320	SLVml 1	4	-1.66	-0.05	-0.0129	1.66
60	STR 1	4	-1.64	-0.03	-0.005	1.64
320	Chr G1SisP	4	-1.63	-0.05	-0.0123	1.64
0	SLDml 2	4	-1.55	-0.07	0.0104	1.56
0	SLVml 2	4	-1.55	-0.07	0.0104	1.56
0	SLDml 1	4	-1.55	-0.07	0.0104	1.56
0	SLVml 1	4	-1.55	-0.07	0.0104	1.56
40	STR 2	4	-1.55	-0.02	-0.0064	1.55
80	STR 1	4	-1.54	-0.03	-0.0051	1.54
0	STR 3	4	-1.52	-0.03	-0.0035	1.52
0	GEO 1	4	-1.5	-0.02	-0.0037	1.5
0	Chr G1SisP	4	-1.5	-0.06	0.0098	1.5
0	Chr GIQ1	4	-1.48	-0.02	-0.004	1.48
0	SLEr 1	4	-1.48	-0.02	-0.004	1.48
0	Chr G1SisM	4	-1.46	-0.02	-0.0052	1.46
0	SLEf 1	4	-1.45	-0.02	-0.0043	1.45
20	STR 3	4	-1.45	-0.03	-0.0035	1.45
0	SLEqp 1	4	-1.44	-0.02	-0.0044	1.44
100	STR 1	4	-1.44	-0.03	-0.0054	1.44
20	GEO 1	4	-1.43	-0.02	-0.0037	1.43
60	STR 2	4	-1.43	-0.02	-0.0064	1.43
340	SLDml 1	4	-1.4	-0.05	-0.0128	1.4
340	SLVml 1	4	-1.4	-0.05	-0.0128	1.4
340	SLVml 2	4	-1.4	-0.05	-0.0128	1.4
340	SLDml 2	4	-1.4	-0.05	-0.0128	1.4
20	Chr GIQ1	4	-1.4	-0.02	-0.004	1.4
20	SLEr 1	4	-1.4	-0.02	-0.004	1.4
0	Chr G1	4	-1.39	-0.01	-0.0049	1.39
0	SLEqp 2	4	-1.39	-0.01	-0.0049	1.39
0	SLEf 2	4	-1.39	-0.01	-0.0049	1.39
0	STR 4	4	-1.39	-0.01	-0.0049	1.39
0	SLEr 2	4	-1.39	-0.01	-0.0049	1.39
0	GEO 2	4	-1.39	-0.01	-0.0049	1.39
340	Chr G1SisP	4	-1.38	-0.04	-0.0124	1.39
40	STR 3	4	-1.38	-0.03	-0.0035	1.38
0	SLVml 3	4	-1.38	-0.01	-0.0041	1.38
0	SLDml 4	4	-1.38	-0.01	-0.0041	1.38
0	SLDml 3	4	-1.38	-0.01	-0.0041	1.38
0	SLVml 4	4	-1.38	-0.01	-0.0041	1.38
20	SLEf 1	4	-1.37	-0.02	-0.0043	1.37
20	SLEqp 1	4	-1.36	-0.02	-0.0044	1.36
40	GEO 1	4	-1.36	-0.02	-0.0037	1.36
20	Chr G1SisM	4	-1.35	-0.02	-0.0052	1.35
120	STR 1	4	-1.33	-0.03	-0.0058	1.33
40	SLEr 1	4	-1.32	-0.02	-0.004	1.32
40	Chr GIQ1	4	-1.32	-0.02	-0.004	1.32
60	STR 3	4	-1.31	-0.03	-0.0035	1.31
80	STR 2	4	-1.3	-0.02	-0.0064	1.3
20	SLVml 3	4	-1.3	-0.01	-0.0041	1.3
20	SLDml 4	4	-1.3	-0.01	-0.0041	1.3
20	SLDml 3	4	-1.3	-0.01	-0.0041	1.3
20	SLVml 4	4	-1.3	-0.01	-0.0041	1.3
20	SLEf 2	4	-1.29	-0.01	-0.0049	1.29
20	SLEr 2	4	-1.29	-0.01	-0.0049	1.29
20	STR 4	4	-1.29	-0.01	-0.0049	1.29
20	Chr G1	4	-1.29	-0.01	-0.0049	1.29
20	SLEqp 2	4	-1.29	-0.01	-0.0049	1.29
20	GEO 2	4	-1.29	-0.01	-0.0049	1.29
60	GEO 1	4	-1.28	-0.02	-0.0037	1.28
40	SLEf 1	4	-1.28	-0.02	-0.0042	1.28
40	SLEqp 1	4	-1.27	-0.02	-0.0043	1.27
40	Chr G1SisM	4	-1.25	-0.02	-0.0052	1.25
80	STR 3	4	-1.24	-0.02	-0.0037	1.24
60	Chr GIQ1	4	-1.24	-0.02	-0.004	1.24
60	SLEr 1	4	-1.24	-0.02	-0.004	1.24
40	SLDml 4	4	-1.22	-0.01	-0.0041	1.22
40	SLDml 3	4	-1.22	-0.01	-0.0041	1.22
40	SLVml 3	4	-1.22	-0.01	-0.0041	1.22
40	SLVml 4	4	-1.22	-0.01	-0.0041	1.22
80	GEO 1	4	-1.21	-0.02	-0.0038	1.21
140	STR 1	4	-1.21	-0.03	-0.0062	1.21
60	SLEf 1	4	-1.2	-0.02	-0.0043	1.2
40	Chr G1	4	-1.19	-0.01	-0.0049	1.19
40	GEO 2	4	-1.19	-0.01	-0.0049	1.19
40	STR 4	4	-1.19	-0.01	-0.0049	1.19
40	SLEf 2	4	-1.19	-0.01	-0.0049	1.19
40	SLEqp 2	4	-1.19	-0.01	-0.0049	1.19
40	SLEr 2	4	-1.19	-0.01	-0.0049	1.19
60	SLEqp 1	4	-1.18	-0.02	-0.0043	1.18
100	STR 2	4	-1.17	-0.01	-0.0064	1.17
100	STR 3	4	-1.17	-0.02	-0.0039	1.17
80	Chr GIQ1	4	-1.16	-0.02	-0.0041	1.16
80	SLEr 1	4	-1.16	-0.02	-0.0041	1.16
360	SLDml 1	4	-1.15	-0.05	-0.0123	1.15
360	SLDml 2	4	-1.15	-0.05	-0.0123	1.15
360	SLVml 1	4	-1.15	-0.05	-0.0123	1.15
360	SLVml 2	4	-1.15	-0.05	-0.0123	1.15
60	Chr G1SisM	4	-1.15	-0.02	-0.0052	1.15

quota	Cmb	Stg	Ux	Uz	Ry	U
360	Chr G1SisP	4	-1.14	-0.04	-0.012	1.14
60	SLVml 3	4	-1.13	-0.01	-0.0041	1.13
60	SLDml 3	4	-1.13	-0.01	-0.0041	1.13
60	SLVml 4	4	-1.13	-0.01	-0.0041	1.13
60	SLDml 4	4	-1.13	-0.01	-0.0041	1.13
100	GEO 1	4	-1.13	-0.02	-0.0041	1.13
80	SLEf 1	4	-1.11	-0.02	-0.0043	1.11
60	STR 4	4	-1.1	-0.01	-0.0049	1.1
60	SLEqp 2	4	-1.1	-0.01	-0.0049	1.1
60	SLEr 2	4	-1.1	-0.01	-0.0049	1.1
60	SLEf 2	4	-1.1	-0.01	-0.0049	1.1
60	GEO 2	4	-1.1	-0.01	-0.0049	1.1
60	Chr G1	4	-1.1	-0.01	-0.0049	1.1
80	SLEqp 1	4	-1.1	-0.02	-0.0044	1.1
120	STR 3	4	-1.09	-0.02	-0.0043	1.09
160	STR 1	4	-1.08	-0.03	-0.0065	1.08
100	SLEr 1	4	-1.08	-0.02	-0.0043	1.08
100	Chr GIQ1	4	-1.08	-0.02	-0.0043	1.08
80	SLDml 4	4	-1.05	-0.01	-0.0041	1.05
80	SLDml 3	4	-1.05	-0.01	-0.0041	1.05
80	SLVml 3	4	-1.05	-0.01	-0.0041	1.05
80	SLVml 4	4	-1.05	-0.01	-0.0041	1.05
120	GEO 1	4	-1.05	-0.02	-0.0044	1.05
120	STR 2	4	-1.04	-0.01	-0.0064	1.04
80	Chr G1SisM	4	-1.04	-0.02	-0.0052	1.04
100	SLEf 1	4	-1.02	-0.02	-0.0045	1.02
100	SLEqp 1	4	-1.01	-0.02	-0.0045	1.01
80	SLEr 2	4	-1	-0.01	-0.0049	1
80	Chr G1	4	-1	-0.01	-0.0049	1
80	STR 4	4	-1	-0.01	-0.0049	1
80	SLEqp 2	4	-1	-0.01	-0.0049	1
80	GEO 2	4	-1	-0.01	-0.0049	1
80	SLEf 2	4	-1	-0.01	-0.0049	1
140	STR 3	4	-1	-0.02	-0.0047	1
120	Chr GIQ1	4	-0.99	-0.02	-0.0045	0.99
120	SLEr 1	4	-0.99	-0.02	-0.0045	0.99
100	SLDml 4	4	-0.97	-0.01	-0.0042	0.97
100	SLDml 3	4	-0.97	-0.01	-0.0042	0.97
100	SLVml 4	4	-0.97	-0.01	-0.0042	0.97
100	SLVml 3	4	-0.97	-0.01	-0.0042	0.97
140	GEO 1	4	-0.96	-0.02	-0.0047	0.96
180	STR 1	4	-0.95	-0.03	-0.0068	0.95
100	Chr G1SisM	4	-0.94	-0.02	-0.0053	0.94
120	SLEf 1	4	-0.93	-0.02	-0.0046	0.93
120	SLEqp 1	4	-0.91	-0.02	-0.0047	0.92
140	STR 2	4	-0.91	-0.01	-0.0064	0.91
380	SLDml 2	4	-0.91	-0.05	-0.0114	0.91
380	SLDml 1	4	-0.91	-0.05	-0.0114	0.91
380	SLVml 2	4	-0.91	-0.05	-0.0114	0.91
380	SLVml 1	4	-0.91	-0.05	-0.0114	0.91
380	Chr G1SisP	4	-0.9	-0.04	-0.0112	0.9
100	STR 4	4	-0.9	-0.01	-0.0049	0.9
100	SLEr 2	4	-0.9	-0.01	-0.0049	0.9
100	Chr G1	4	-0.9	-0.01	-0.0049	0.9
100	SLEqp 2	4	-0.9	-0.01	-0.0049	0.9
100	GEO 2	4	-0.9	-0.01	-0.0049	0.9
100	SLEf 2	4	-0.9	-0.01	-0.0049	0.9
140	SLEr 1	4	-0.9	-0.02	-0.0048	0.9
140	Chr GIQ1	4	-0.9	-0.02	-0.0048	0.9
160	STR 3	4	-0.9	-0.02	-0.0051	0.9
120	SLVml 4	4	-0.89	-0.01	-0.0043	0.89
120	SLDml 4	4	-0.89	-0.01	-0.0043	0.89
120	SLDml 3	4	-0.89	-0.01	-0.0043	0.89
120	SLVml 3	4	-0.89	-0.01	-0.0043	0.89
160	GEO 1	4	-0.86	-0.02	-0.005	0.86
140	SLEf 1	4	-0.84	-0.02	-0.0048	0.84
120	Chr G1SisM	4	-0.83	-0.01	-0.0053	0.83
140	SLEqp 1	4	-0.82	-0.02	-0.0048	0.82
200	STR 1	4	-0.81	-0.02	-0.007	0.81
120	STR 4	4	-0.8	-0.01	-0.0049	0.8
120	SLEf 2	4	-0.8	-0.01	-0.0049	0.8
120	SLEr 2	4	-0.8	-0.01	-0.0049	0.8
120	SLEqp 2	4	-0.8	-0.01	-0.0049	0.8
120	GEO 2	4	-0.8	-0.01	-0.0049	0.8
120	Chr G1	4	-0.8	-0.01	-0.0049	0.8
160	Chr GIQ1	4	-0.8	-0.02	-0.005	0.8
160	SLEr 1	4	-0.8	-0.02	-0.005	0.8
140	SLVml 4	4	-0.8	-0.01	-0.0044	0.8
140	SLVml 3	4	-0.8	-0.01	-0.0044	0.8
140	SLDml 4	4	-0.8	-0.01	-0.0044	0.8
140	SLDml 3	4	-0.8	-0.01	-0.0044	0.8
180	STR 3	4	-0.79	-0.02	-0.0054	0.79
160	STR 2	4	-0.79	-0.01	-0.0063	0.79
180	GEO 1	4	-0.75	-0.02	-0.0053	0.75
160	SLEf 1	4	-0.74	-0.02	-0.0049	0.74
140	Chr G1SisM	4	-0.72	-0.01	-0.0053	0.72
160	SLEqp 1	4	-0.72	-0.02	-0.0049	0.72
160	SLVml 3	4	-0.71	-0.01	-0.0045	0.71
160	SLDml 4	4	-0.71	-0.01	-0.0045	0.71
160	SLDml 3	4	-0.71	-0.01	-0.0045	0.71
160	SLVml 4	4	-0.71	-0.01	-0.0045	0.71
140	SLEqp 2	4	-0.7	-0.01	-0.0049	0.7
140	SLEr 2	4	-0.7	-0.01	-0.0049	0.7
140	GEO 2	4	-0.7	-0.01	-0.0049	0.7
140	SLEf 2	4	-0.7	-0.01	-0.0049	0.7
140	STR 4	4	-0.7	-0.01	-0.0049	0.7
140	Chr G1	4	-0.7	-0.01	-0.0049	0.7
180	SLEr 1	4	-0.7	-0.02	-0.0052	0.7
180	Chr GIQ1	4	-0.7	-0.02	-0.0052	0.7
400	SLVml 2	4	-0.69	-0.04	-0.0102	0.69
400	SLVml 1	4	-0.69	-0.04	-0.0102	0.69

quota	Cmb	Stg	Ux	Uz	Ry	U
400	SLDml 2	4	-0.69	-0.04	-0.0102	0.69
400	SLDml 1	4	-0.69	-0.04	-0.0102	0.69
400	Chr G1SisP	4	-0.69	-0.04	-0.0101	0.69
200	STR 3	4	-0.68	-0.02	-0.0056	0.68
220	STR 1	4	-0.67	-0.02	-0.0069	0.67
180	STR 2	4	-0.66	-0.01	-0.0061	0.66
200	GEO 1	4	-0.65	-0.02	-0.0055	0.65
180	SLEf 1	4	-0.64	-0.02	-0.005	0.64
180	SLEqp 1	4	-0.62	-0.02	-0.005	0.62
180	SLDml 3	4	-0.62	-0.01	-0.0045	0.62
180	SLDml 4	4	-0.62	-0.01	-0.0045	0.62
180	SLVml 3	4	-0.62	-0.01	-0.0045	0.62
180	SLVml 4	4	-0.62	-0.01	-0.0045	0.62
160	Chr G1SisM	4	-0.62	-0.01	-0.0053	0.62
160	SLEf 2	4	-0.61	-0.01	-0.0048	0.61
160	Chr G1	4	-0.61	-0.01	-0.0048	0.61
160	SLEqp 2	4	-0.61	-0.01	-0.0048	0.61
160	SLEr 2	4	-0.61	-0.01	-0.0048	0.61
160	STR 4	4	-0.61	-0.01	-0.0048	0.61
160	GEO 2	4	-0.61	-0.01	-0.0048	0.61
200	Chr G1Q1	4	-0.59	-0.02	-0.0052	0.59
200	SLEr 1	4	-0.59	-0.02	-0.0052	0.59
220	STR 3	4	-0.57	-0.02	-0.0056	0.57
200	STR 2	4	-0.54	-0.01	-0.0059	0.54
200	SLEf 1	4	-0.54	-0.02	-0.005	0.54
220	GEO 1	4	-0.54	-0.02	-0.0054	0.54
240	STR 1	4	-0.53	-0.02	-0.0065	0.53
200	SLVml 4	4	-0.53	-0.01	-0.0045	0.53
200	SLVml 3	4	-0.53	-0.01	-0.0045	0.53
200	SLDml 4	4	-0.53	-0.01	-0.0045	0.53
200	SLDml 3	4	-0.53	-0.01	-0.0045	0.53
200	SLEqp 1	4	-0.52	-0.01	-0.005	0.52
180	Chr G1SisM	4	-0.51	-0.01	-0.0052	0.51
180	SLEr 2	4	-0.51	-0.01	-0.0047	0.51
180	SLEf 2	4	-0.51	-0.01	-0.0047	0.51
180	SLEqp 2	4	-0.51	-0.01	-0.0047	0.51
180	Chr G1	4	-0.51	-0.01	-0.0047	0.51
180	STR 4	4	-0.51	-0.01	-0.0047	0.51
180	GEO 2	4	-0.51	-0.01	-0.0047	0.51
420	SLVml 2	4	-0.5	-0.04	-0.0088	0.5
420	SLVml 1	4	-0.5	-0.04	-0.0088	0.5
420	SLDml 2	4	-0.5	-0.04	-0.0088	0.5
420	SLDml 1	4	-0.5	-0.04	-0.0088	0.5
420	Chr G1SisP	4	-0.5	-0.04	-0.0087	0.5
220	Chr G1Q1	4	-0.49	-0.02	-0.0051	0.49
220	SLEr 1	4	-0.49	-0.02	-0.0051	0.49
240	STR 3	4	-0.46	-0.02	-0.0054	0.46
220	SLDml 4	4	-0.44	-0.01	-0.0044	0.44
220	SLVml 3	4	-0.44	-0.01	-0.0044	0.44
220	SLVml 4	4	-0.44	-0.01	-0.0044	0.44
220	SLDml 3	4	-0.44	-0.01	-0.0044	0.44
220	SLEf 1	4	-0.44	-0.02	-0.0049	0.44
240	GEO 1	4	-0.43	-0.02	-0.0052	0.43
220	STR 2	4	-0.43	-0.01	-0.0054	0.43
220	SLEqp 1	4	-0.42	-0.01	-0.0048	0.42
200	STR 4	4	-0.42	-0.01	-0.0045	0.42
200	SLEr 2	4	-0.42	-0.01	-0.0045	0.42
200	SLEqp 2	4	-0.42	-0.01	-0.0045	0.42
200	Chr G1	4	-0.42	-0.01	-0.0045	0.42
200	SLEf 2	4	-0.42	-0.01	-0.0045	0.42
200	GEO 2	4	-0.42	-0.01	-0.0045	0.42
200	Chr G1SisM	4	-0.41	-0.01	-0.005	0.41
260	STR 1	4	-0.4	-0.02	-0.0059	0.4
240	Chr G1Q1	4	-0.39	-0.02	-0.0048	0.39
240	SLEr 1	4	-0.39	-0.02	-0.0048	0.39
240	SLVml 4	4	-0.35	-0.01	-0.0041	0.35
240	SLDml 4	4	-0.35	-0.01	-0.0041	0.35
240	SLDml 3	4	-0.35	-0.01	-0.0041	0.35
240	SLVml 3	4	-0.35	-0.01	-0.0041	0.35
260	STR 3	4	-0.35	-0.02	-0.005	0.35
240	SLEf 1	4	-0.34	-0.01	-0.0045	0.35
440	SLVml 2	4	-0.34	-0.04	-0.0071	0.34
440	SLDml 1	4	-0.34	-0.04	-0.0071	0.34
440	SLVml 1	4	-0.34	-0.04	-0.0071	0.34
440	SLDml 2	4	-0.34	-0.04	-0.0071	0.34
440	Chr G1SisP	4	-0.34	-0.04	-0.0071	0.34
240	SLEqp 1	4	-0.33	-0.01	-0.0044	0.33
220	SLEr 2	4	-0.33	-0.01	-0.0042	0.33
220	SLEf 2	4	-0.33	-0.01	-0.0042	0.33
220	GEO 2	4	-0.33	-0.01	-0.0042	0.33
220	SLEqp 2	4	-0.33	-0.01	-0.0042	0.33
220	STR 4	4	-0.33	-0.01	-0.0042	0.33
220	Chr G1	4	-0.33	-0.01	-0.0042	0.33
260	GEO 1	4	-0.33	-0.02	-0.0047	0.33
240	STR 2	4	-0.32	-0.01	-0.0048	0.32
220	Chr G1SisM	4	-0.31	-0.01	-0.0046	0.31
280	STR 1	4	-0.29	-0.02	-0.0051	0.29
260	Chr G1Q1	4	-0.29	-0.02	-0.0044	0.29
260	SLEr 1	4	-0.29	-0.02	-0.0044	0.29
260	SLDml 3	4	-0.27	-0.01	-0.0038	0.27
260	SLVml 4	4	-0.27	-0.01	-0.0038	0.27
260	SLVml 3	4	-0.27	-0.01	-0.0038	0.27
260	SLDml 4	4	-0.27	-0.01	-0.0038	0.27
260	SLEf 1	4	-0.26	-0.01	-0.004	0.26
280	STR 3	4	-0.26	-0.02	-0.0043	0.26
240	GEO 2	4	-0.25	-0.01	-0.0037	0.25
240	SLEr 2	4	-0.25	-0.01	-0.0037	0.25
240	SLEf 2	4	-0.25	-0.01	-0.0037	0.25
240	STR 4	4	-0.25	-0.01	-0.0037	0.25
240	Chr G1	4	-0.25	-0.01	-0.0037	0.25
240	SLEqp 2	4	-0.25	-0.01	-0.0037	0.25

quota	Cmb	Stg	Ux	Uz	Ry	U
260	SLEqp 1	4	-0.25	-0.01	-0.0039	0.25
280	GEO 1	4	-0.24	-0.02	-0.0041	0.24
260	STR 2	4	-0.23	-0.01	-0.0041	0.23
240	Chr G1SisM	4	-0.23	-0.01	-0.004	0.23
460	SLVml 2	4	-0.21	-0.04	-0.0055	0.22
460	SLVml 1	4	-0.21	-0.04	-0.0055	0.22
460	SLDml 1	4	-0.21	-0.04	-0.0055	0.22
460	SLDml 2	4	-0.21	-0.04	-0.0055	0.22
460	Chr G1SisP	4	-0.21	-0.04	-0.0055	0.22
280	SLEr 1	4	-0.21	-0.02	-0.0037	0.21
280	Chr G1Q1	4	-0.21	-0.02	-0.0037	0.21
280	SLDml 4	4	-0.2	-0.01	-0.0032	0.2
280	SLVml 3	4	-0.2	-0.01	-0.0032	0.2
280	SLVml 4	4	-0.2	-0.01	-0.0032	0.2
280	SLDml 3	4	-0.2	-0.01	-0.0032	0.2
300	STR 1	4	-0.2	-0.02	-0.0041	0.2
280	SLEf 1	4	-0.19	-0.01	-0.0033	0.19
260	SLEf 2	4	-0.18	-0.01	-0.0031	0.18
260	SLEqp 2	4	-0.18	-0.01	-0.0031	0.18
260	GEO 2	4	-0.18	-0.01	-0.0031	0.18
260	SLEr 2	4	-0.18	-0.01	-0.0031	0.18
260	STR 4	4	-0.18	-0.01	-0.0031	0.18
260	Chr G1	4	-0.18	-0.01	-0.0031	0.18
300	STR 3	4	-0.18	-0.02	-0.0035	0.18
280	SLEqp 1	4	-0.18	-0.01	-0.0032	0.18
300	GEO 1	4	-0.16	-0.02	-0.0033	0.16
280	STR 2	4	-0.16	-0.01	-0.0032	0.16
260	Chr G1SisM	4	-0.15	-0.01	-0.0032	0.15
300	Chr G1Q1	4	-0.14	-0.02	-0.003	0.15
300	SLEr 1	4	-0.14	-0.02	-0.003	0.15
300	SLDml 4	4	-0.14	-0.01	-0.0026	0.14
300	SLDml 3	4	-0.14	-0.01	-0.0026	0.14
300	SLVml 3	4	-0.14	-0.01	-0.0026	0.14
300	SLVml 4	4	-0.14	-0.01	-0.0026	0.14
320	STR 1	4	-0.13	-0.02	-0.003	0.13
480	SLVml 1	4	-0.12	-0.04	-0.0038	0.13
480	SLDml 1	4	-0.12	-0.04	-0.0038	0.13
480	SLVml 2	4	-0.12	-0.04	-0.0038	0.13
480	SLDml 2	4	-0.12	-0.04	-0.0038	0.13
300	SLEf 1	4	-0.13	-0.01	-0.0026	0.13
480	Chr G1SisP	4	-0.12	-0.03	-0.0038	0.13
280	GEO 2	4	-0.12	-0.01	-0.0025	0.12
280	Chr G1	4	-0.12	-0.01	-0.0025	0.12
280	SLEr 2	4	-0.12	-0.01	-0.0025	0.12
280	STR 4	4	-0.12	-0.01	-0.0025	0.12
280	SLEf 2	4	-0.12	-0.01	-0.0025	0.12
280	SLEqp 2	4	-0.12	-0.01	-0.0025	0.12
300	SLEqp 1	4	-0.12	-0.01	-0.0025	0.12
320	STR 3	4	-0.11	-0.02	-0.0027	0.12
320	GEO 1	4	-0.11	-0.02	-0.0025	0.11
300	STR 2	4	-0.11	-0.01	-0.0024	0.11
320	SLDml 3	4	-0.1	-0.01	-0.002	0.1
320	SLDml 4	4	-0.1	-0.01	-0.002	0.1
320	SLVml 3	4	-0.1	-0.01	-0.002	0.1
320	SLVml 4	4	-0.1	-0.01	-0.002	0.1
280	Chr G1SisM	4	-0.1	-0.01	-0.0025	0.1
320	SLEr 1	4	-0.09	-0.02	-0.0022	0.09
320	Chr G1Q1	4	-0.09	-0.02	-0.0022	0.09
340	STR 1	4	-0.08	-0.02	-0.0021	0.08
320	SLEf 1	4	-0.08	-0.01	-0.0019	0.08
300	SLEf 2	4	-0.08	-0.01	-0.0018	0.08
300	STR 4	4	-0.08	-0.01	-0.0018	0.08
300	SLEqp 2	4	-0.08	-0.01	-0.0018	0.08
300	SLEr 2	4	-0.08	-0.01	-0.0018	0.08
300	GEO 2	4	-0.08	-0.01	-0.0018	0.08
300	Chr G1	4	-0.08	-0.01	-0.0018	0.08
320	SLEqp 1	4	-0.08	-0.01	-0.0018	0.08
340	STR 3	4	-0.07	-0.02	-0.0018	0.07
500	SLVml 2	4	-0.06	-0.04	-0.0024	0.07
500	SLDml 1	4	-0.06	-0.04	-0.0024	0.07
500	SLDml 2	4	-0.06	-0.04	-0.0024	0.07
500	SLVml 1	4	-0.06	-0.04	-0.0024	0.07
500	Chr G1SisP	4	-0.06	-0.03	-0.0024	0.07
340	GEO 1	4	-0.07	-0.02	-0.0017	0.07
320	STR 2	4	-0.07	-0.01	-0.0016	0.07
340	SLVml 4	4	-0.06	-0.01	-0.0014	0.07
340	SLDml 3	4	-0.06	-0.01	-0.0014	0.07
340	SLVml 3	4	-0.06	-0.01	-0.0014	0.07
340	SLDml 4	4	-0.06	-0.01	-0.0014	0.07
340	Chr G1Q1	4	-0.06	-0.02	-0.0015	0.06
340	SLEr 1	4	-0.06	-0.02	-0.0015	0.06
300	Chr G1SisM	4	-0.06	-0.01	-0.0017	0.06
320	GEO 2	4	-0.05	-0.01	-0.0013	0.05
320	STR 4	4	-0.05	-0.01	-0.0013	0.05
320	SLEf 2	4	-0.05	-0.01	-0.0013	0.05
320	SLEr 2	4	-0.05	-0.01	-0.0013	0.05
320	Chr G1	4	-0.05	-0.01	-0.0013	0.05
320	SLEqp 2	4	-0.05	-0.01	-0.0013	0.05
360	STR 1	4	-0.05	-0.02	-0.0013	0.05
340	SLEf 1	4	-0.05	-0.01	-0.0013	0.05
340	SLEqp 1	4	-0.05	-0.01	-0.0012	0.05
360	STR 3	4	-0.04	-0.02	-0.0012	0.05
520	SLDml 1	4	-0.03	-0.04	-0.0012	0.04
520	SLDml 2	4	-0.03	-0.04	-0.0012	0.04
520	SLVml 2	4	-0.03	-0.04	-0.0012	0.04
520	SLVml 1	4	-0.03	-0.04	-0.0012	0.04
360	SLDml 4	4	-0.04	-0.01	-0.0009	0.04
360	SLVml 3	4	-0.04	-0.01	-0.0009	0.04
360	SLDml 3	4	-0.04	-0.01	-0.0009	0.04
360	SLVml 4	4	-0.04	-0.01	-0.0009	0.04
340	STR 2	4	-0.04	-0.01	-0.001	0.04

quota	Cmb	Stg	Ux	Uz	Ry	U
360	GEO 1	4	-0.04	-0.02	-0.0011	0.04
520	Chr G1SisP	4	-0.03	-0.03	-0.0012	0.04
360	SLEr 1	4	-0.03	-0.01	-0.0009	0.04
360	Chr GIQ1	4	-0.03	-0.01	-0.0009	0.04
540	SLVml 1	4	-0.01	-0.03	-0.0005	0.04
540	SLDml 1	4	-0.01	-0.03	-0.0005	0.04
540	SLVml 2	4	-0.01	-0.03	-0.0005	0.04
540	SLDml 2	4	-0.01	-0.03	-0.0005	0.04
380	STR 1	4	-0.03	-0.02	-0.0007	0.03
560	SLDml 2	4	-0.01	-0.03	-0.0001	0.03
560	SLVml 1	4	-0.01	-0.03	-0.0001	0.03
560	SLDml 1	4	-0.01	-0.03	-0.0001	0.03
560	SLVml 2	4	-0.01	-0.03	-0.0001	0.03
540	Chr G1SisP	4	-0.01	-0.03	-0.0005	0.03
360	SLEf 1	4	-0.03	-0.01	-0.0008	0.03
340	SLEr 2	4	-0.03	-0.01	-0.0008	0.03
340	STR 4	4	-0.03	-0.01	-0.0008	0.03
340	SLEqp 2	4	-0.03	-0.01	-0.0008	0.03
340	SLEf 2	4	-0.03	-0.01	-0.0008	0.03
340	GEO 2	4	-0.03	-0.01	-0.0008	0.03
340	Chr G1	4	-0.03	-0.01	-0.0008	0.03
580	SLDml 1	4	-0.01	-0.03	0.0001	0.03
580	SLVml 1	4	-0.01	-0.03	0.0001	0.03
580	SLDml 2	4	-0.01	-0.03	0.0001	0.03
580	SLVml 2	4	-0.01	-0.03	0.0001	0.03
600	SLVml 1	4	-0.01	-0.03	0.0001	0.03
600	SLDml 1	4	-0.01	-0.03	0.0001	0.03
600	SLDml 2	4	-0.01	-0.03	0.0001	0.03
600	SLVml 2	4	-0.01	-0.03	0.0001	0.03
620	SLDml 2	4	-0.01	-0.03	0.0001	0.03
620	SLDml 1	4	-0.01	-0.03	0.0001	0.03
620	SLVml 2	4	-0.01	-0.03	0.0001	0.03
620	SLVml 1	4	-0.01	-0.03	0.0001	0.03
320	Chr G1SisM	4	-0.03	-0.01	-0.0011	0.03
360	SLEqp 1	4	-0.03	-0.01	-0.0007	0.03
560	Chr G1SisP	4	-0.01	-0.03	-0.0001	0.03
640	SLVml 1	4	-0.01	-0.03	0	0.03
640	SLDml 1	4	-0.01	-0.03	0	0.03
640	SLVml 2	4	-0.01	-0.03	0	0.03
640	SLDml 2	4	-0.01	-0.03	0	0.03
380	STR 3	4	-0.02	-0.02	-0.0007	0.03
580	Chr G1SisP	4	-0.01	-0.03	0.0001	0.03
600	Chr G1SisP	4	-0.01	-0.03	0.0001	0.03
380	SLVml 3	4	-0.03	-0.01	-0.0006	0.03
380	SLDml 3	4	-0.03	-0.01	-0.0006	0.03
380	SLVml 4	4	-0.03	-0.01	-0.0006	0.03
380	SLDml 4	4	-0.03	-0.01	-0.0006	0.03
620	Chr G1SisP	4	-0.01	-0.03	0.0001	0.03
660	SLVml 1	4	-0.01	-0.02	-0.0001	0.03
660	SLDml 2	4	-0.01	-0.02	-0.0001	0.03
660	SLDml 1	4	-0.01	-0.02	-0.0001	0.03
660	SLVml 2	4	-0.01	-0.02	-0.0001	0.03
380	GEO 1	4	-0.02	-0.02	-0.0006	0.03
640	Chr G1SisP	4	-0.01	-0.02	0	0.03
360	STR 2	4	-0.03	-0.01	-0.0006	0.03
400	STR 1	4	-0.02	-0.02	-0.0003	0.03
660	Chr G1SisP	4	-0.01	-0.02	-0.0001	0.03
680	SLDml 2	4	-0.01	-0.02	-0.0001	0.03
680	SLDml 1	4	-0.01	-0.02	-0.0001	0.03
680	SLVml 2	4	-0.01	-0.02	-0.0001	0.03
680	SLVml 1	4	-0.01	-0.02	-0.0001	0.03
380	Chr GIQ1	4	-0.02	-0.01	-0.0005	0.02
380	SLEr 1	4	-0.02	-0.01	-0.0005	0.02
680	Chr G1SisP	4	-0.01	-0.02	-0.0001	0.02
420	STR 1	4	-0.01	-0.02	-0.0001	0.02
700	SLVml 2	4	-0.01	-0.02	-0.0001	0.02
700	SLVml 1	4	-0.01	-0.02	-0.0001	0.02
700	SLDml 2	4	-0.01	-0.02	-0.0001	0.02
700	SLDml 1	4	-0.01	-0.02	-0.0001	0.02
440	STR 1	4	-0.01	-0.02	0	0.02
400	STR 3	4	-0.02	-0.02	-0.0003	0.02
460	STR 1	4	-0.01	-0.02	0	0.02
480	STR 1	4	-0.01	-0.02	0	0.02
380	SLEf 1	4	-0.02	-0.01	-0.0004	0.02
500	STR 1	4	-0.02	-0.02	0	0.02
400	SLVml 3	4	-0.02	-0.01	-0.0003	0.02
400	SLVml 4	4	-0.02	-0.01	-0.0003	0.02
400	SLDml 4	4	-0.02	-0.01	-0.0003	0.02
400	SLDml 3	4	-0.02	-0.01	-0.0003	0.02
520	STR 1	4	-0.01	-0.02	0	0.02
400	GEO 1	4	-0.01	-0.02	-0.0003	0.02
380	SLEqp 1	4	-0.02	-0.01	-0.0004	0.02
700	Chr G1SisP	4	-0.01	-0.02	-0.0001	0.02
360	SLEqp 2	4	-0.02	-0.01	-0.0004	0.02
360	STR 4	4	-0.02	-0.01	-0.0004	0.02
360	SLEr 2	4	-0.02	-0.01	-0.0004	0.02
360	GEO 2	4	-0.02	-0.01	-0.0004	0.02
360	Chr G1	4	-0.02	-0.01	-0.0004	0.02
360	SLEf 2	4	-0.02	-0.01	-0.0004	0.02
720	SLVml 1	4	0	-0.02	-0.0001	0.02
720	SLDml 1	4	0	-0.02	-0.0001	0.02
720	SLDml 2	4	0	-0.02	-0.0001	0.02
720	SLVml 2	4	0	-0.02	-0.0001	0.02
540	STR 1	4	-0.01	-0.01	0	0.02
380	STR 2	4	-0.02	-0.01	-0.0003	0.02
560	STR 1	4	-0.01	-0.01	0	0.02
420	STR 3	4	-0.01	-0.02	-0.0001	0.02
400	SLEr 1	4	-0.01	-0.01	-0.0002	0.02
400	Chr GIQ1	4	-0.01	-0.01	-0.0002	0.02
720	Chr G1SisP	4	0	-0.02	-0.0001	0.02
740	SLDml 2	4	0	-0.02	0	0.02

quota	Cmb	Stg	Ux	Uz	Ry	U
740	SLVml 2	4	0	-0.02	0	0.02
740	SLDml 1	4	0	-0.02	0	0.02
740	SLVml 1	4	0	-0.02	0	0.02
580	STR 1	4	-0.01	-0.01	0	0.02
440	STR 3	4	-0.01	-0.02	0	0.02
420	GEO 1	4	-0.01	-0.01	-0.0001	0.02
460	STR 3	4	-0.01	-0.01	0	0.02
480	STR 3	4	-0.01	-0.01	0	0.02
500	STR 3	4	-0.01	-0.01	0	0.02
600	STR 1	4	-0.01	-0.01	0	0.02
420	SLVml 3	4	-0.02	-0.01	-0.0001	0.02
420	SLDml 4	4	-0.02	-0.01	-0.0001	0.02
420	SLVml 4	4	-0.02	-0.01	-0.0001	0.02
420	SLDml 3	4	-0.02	-0.01	-0.0001	0.02
440	GEO 1	4	-0.01	-0.01	0	0.02
520	STR 3	4	-0.01	-0.01	0	0.02
460	GEO 1	4	-0.01	-0.01	0	0.02
740	Chr GISisP	4	0	-0.02	0	0.02
760	SLDml 2	4	0	-0.02	0	0.02
760	SLVml 1	4	0	-0.02	0	0.02
760	SLVml 2	4	0	-0.02	0	0.02
760	SLDml 1	4	0	-0.02	0	0.02
480	GEO 1	4	-0.01	-0.01	0	0.02
400	SLEf 1	4	-0.01	-0.01	-0.0002	0.02
400	STR 2	4	-0.01	-0.01	-0.0001	0.02
500	GEO 1	4	-0.01	-0.01	0	0.02
420	Chr GIQ1	4	-0.01	-0.01	-0.0001	0.02
420	SLEr 1	4	-0.01	-0.01	-0.0001	0.02
620	STR 1	4	-0.01	-0.01	0	0.02
540	STR 3	4	-0.01	-0.01	0	0.02
340	Chr GISisM	4	-0.01	-0.01	-0.0006	0.02
520	GEO 1	4	-0.01	-0.01	0	0.02
400	SLEqp 1	4	-0.01	-0.01	-0.0002	0.02
440	SLDml 4	4	-0.01	-0.01	0	0.02
440	SLVml 4	4	-0.01	-0.01	0	0.02
440	SLDml 3	4	-0.01	-0.01	0	0.02
440	SLVml 3	4	-0.01	-0.01	0	0.02
460	SLDml 4	4	-0.01	-0.01	0	0.02
460	SLVml 4	4	-0.01	-0.01	0	0.02
460	SLDml 3	4	-0.01	-0.01	0	0.02
460	SLVml 3	4	-0.01	-0.01	0	0.02
420	STR 2	4	-0.01	-0.01	0	0.02
440	SLEr 1	4	-0.01	-0.01	0	0.02
440	Chr GIQ1	4	-0.01	-0.01	0	0.02
480	SLDml 3	4	-0.01	-0.01	0	0.02
480	SLVml 3	4	-0.01	-0.01	0	0.02
480	SLVml 4	4	-0.01	-0.01	0	0.02
480	SLDml 4	4	-0.01	-0.01	0	0.02
460	STR 2	4	-0.01	-0.01	0	0.02
440	STR 2	4	-0.01	-0.01	0	0.02
560	STR 3	4	-0.01	-0.01	0	0.02
460	Chr GIQ1	4	-0.01	-0.01	0	0.02
460	SLEr 1	4	-0.01	-0.01	0	0.02
480	STR 2	4	-0.01	-0.01	0	0.02
500	SLDml 4	4	-0.01	-0.01	0	0.02
500	SLDml 3	4	-0.01	-0.01	0	0.02
500	SLVml 4	4	-0.01	-0.01	0	0.02
500	SLVml 3	4	-0.01	-0.01	0	0.02
540	GEO 1	4	-0.01	-0.01	0	0.02
480	Chr GIQ1	4	-0.01	-0.01	0	0.02
480	SLEr 1	4	-0.01	-0.01	0	0.02
760	Chr GISisP	4	0	-0.02	0	0.02
780	SLDml 1	4	0	-0.02	0	0.02
780	SLDml 2	4	0	-0.02	0	0.02
780	SLVml 1	4	0	-0.02	0	0.02
780	SLVml 2	4	0	-0.02	0	0.02
500	SLEr 1	4	-0.01	-0.01	0	0.02
500	Chr GIQ1	4	-0.01	-0.01	0	0.02
500	STR 2	4	-0.01	-0.01	0	0.02
520	SLDml 4	4	-0.01	-0.01	0	0.02
520	SLDml 3	4	-0.01	-0.01	0	0.02
520	SLVml 4	4	-0.01	-0.01	0	0.02
520	SLVml 3	4	-0.01	-0.01	0	0.02
640	STR 1	4	-0.01	-0.01	-0.0001	0.02
580	STR 3	4	-0.01	-0.01	0	0.02
420	SLEf 1	4	-0.01	-0.01	-0.0001	0.02
560	GEO 1	4	-0.01	-0.01	0	0.02
520	Chr GIQ1	4	-0.01	-0.01	0	0.02
520	SLEr 1	4	-0.01	-0.01	0	0.02
540	SLVml 4	4	-0.01	-0.01	0	0.02
540	SLVml 3	4	-0.01	-0.01	0	0.02
540	SLDml 3	4	-0.01	-0.01	0	0.02
540	SLDml 4	4	-0.01	-0.01	0	0.02
520	STR 2	4	-0.01	-0.01	0	0.02
380	Chr G1	4	-0.01	-0.01	-0.0002	0.02
380	STR 4	4	-0.01	-0.01	-0.0002	0.02
380	SLEqp 2	4	-0.01	-0.01	-0.0002	0.02
380	SLEf 2	4	-0.01	-0.01	-0.0002	0.02
380	SLEr 2	4	-0.01	-0.01	-0.0002	0.02
380	GEO 2	4	-0.01	-0.01	-0.0002	0.02
420	SLEqp 1	4	-0.01	-0.01	-0.0001	0.02
440	SLEf 1	4	-0.01	-0.01	0	0.02
460	SLEf 1	4	-0.01	-0.01	0	0.02
540	SLEr 1	4	-0.01	-0.01	0	0.02
540	Chr GIQ1	4	-0.01	-0.01	0	0.02
480	SLEf 1	4	-0.01	-0.01	0	0.02
600	STR 3	4	-0.01	-0.01	0	0.02
560	SLDml 4	4	-0.01	-0.01	0	0.02
560	SLVml 3	4	-0.01	-0.01	0	0.02
560	SLDml 3	4	-0.01	-0.01	0	0.02
560	SLVml 4	4	-0.01	-0.01	0	0.02

quota	Cmb	Stg	Ux	Uz	Ry	U
580	GEO 1	4	-0.01	-0.01	0	0.02
540	STR 2	4	-0.01	-0.01	0	0.02
780	Chr G1SisP	4	0	-0.01	0	0.02
440	SLEqp 1	4	-0.01	-0.01	0	0.02
500	SLEf 1	4	-0.01	-0.01	0	0.02
460	SLEqp 1	4	-0.01	-0.01	0	0.01
480	SLEqp 1	4	-0.01	-0.01	0	0.01
800	SLDml 2	4	0	-0.01	0	0.01
800	SLDml 1	4	0	-0.01	0	0.01
800	SLVml 2	4	0	-0.01	0	0.01
800	SLVml 1	4	0	-0.01	0	0.01
560	SLEr 1	4	-0.01	-0.01	0	0.01
560	Chr G1Q1	4	-0.01	-0.01	0	0.01
580	SLDml 3	4	-0.01	-0.01	0	0.01
580	SLVml 4	4	-0.01	-0.01	0	0.01
580	SLVml 3	4	-0.01	-0.01	0	0.01
580	SLDml 4	4	-0.01	-0.01	0	0.01
500	SLEqp 1	4	-0.01	-0.01	0	0.01
520	SLEf 1	4	-0.01	-0.01	0	0.01
560	STR 2	4	-0.01	-0.01	0	0.01
600	GEO 1	4	-0.01	-0.01	0	0.01
660	STR 1	4	-0.01	-0.01	-0.0001	0.01
620	STR 3	4	-0.01	-0.01	0	0.01
520	SLEqp 1	4	-0.01	-0.01	0	0.01
540	SLEf 1	4	-0.01	-0.01	0	0.01
580	SLEr 1	4	-0.01	-0.01	0	0.01
580	Chr G1Q1	4	-0.01	-0.01	0	0.01
600	SLDml 3	4	-0.01	-0.01	0	0.01
600	SLVml 3	4	-0.01	-0.01	0	0.01
600	SLVml 4	4	-0.01	-0.01	0	0.01
600	SLDml 4	4	-0.01	-0.01	0	0.01
580	STR 2	4	-0.01	-0.01	0	0.01
620	GEO 1	4	-0.01	-0.01	0	0.01
540	SLEqp 1	4	-0.01	-0.01	0	0.01
800	Chr G1SisP	4	0	-0.01	0	0.01
560	SLEf 1	4	-0.01	-0.01	0	0.01
600	SLEr 1	4	-0.01	-0.01	0	0.01
600	Chr G1Q1	4	-0.01	-0.01	0	0.01
400	SLEqp 2	4	-0.01	-0.01	-0.0001	0.01
400	STR 4	4	-0.01	-0.01	-0.0001	0.01
400	SLEr 2	4	-0.01	-0.01	-0.0001	0.01
400	GEO 2	4	-0.01	-0.01	-0.0001	0.01
400	Chr G1	4	-0.01	-0.01	-0.0001	0.01
400	SLEf 2	4	-0.01	-0.01	-0.0001	0.01
640	STR 3	4	-0.01	-0.01	-0.0001	0.01
600	STR 2	4	-0.01	-0.01	0	0.01
820	SLVml 2	4	0	-0.01	0	0.01
820	SLVml 1	4	0	-0.01	0	0.01
820	SLDml 1	4	0	-0.01	0	0.01
820	SLDml 2	4	0	-0.01	0	0.01
620	SLDml 3	4	-0.01	-0.01	0	0.01
620	SLVml 3	4	-0.01	-0.01	0	0.01
620	SLVml 4	4	-0.01	-0.01	0	0.01
620	SLDml 4	4	-0.01	-0.01	0	0.01
560	SLEqp 1	4	-0.01	-0.01	0	0.01
580	SLEf 1	4	-0.01	-0.01	0	0.01
640	GEO 1	4	-0.01	-0.01	-0.0001	0.01
420	STR 4	4	-0.01	-0.01	0	0.01
420	SLEf 2	4	-0.01	-0.01	0	0.01
420	SLEqp 2	4	-0.01	-0.01	0	0.01
420	GEO 2	4	-0.01	-0.01	0	0.01
420	SLEr 2	4	-0.01	-0.01	0	0.01
420	Chr G1	4	-0.01	-0.01	0	0.01
620	SLEr 1	4	-0.01	-0.01	0	0.01
620	Chr G1Q1	4	-0.01	-0.01	0	0.01
460	SLEqp 2	4	-0.01	-0.01	0	0.01
460	SLEf 2	4	-0.01	-0.01	0	0.01
460	GEO 2	4	-0.01	-0.01	0	0.01
460	Chr G1	4	-0.01	-0.01	0	0.01
460	SLEr 2	4	-0.01	-0.01	0	0.01
460	STR 4	4	-0.01	-0.01	0	0.01
440	GEO 2	4	-0.01	-0.01	0	0.01
440	STR 4	4	-0.01	-0.01	0	0.01
440	SLEf 2	4	-0.01	-0.01	0	0.01
440	SLEr 2	4	-0.01	-0.01	0	0.01
440	Chr G1	4	-0.01	-0.01	0	0.01
440	SLEqp 2	4	-0.01	-0.01	0	0.01
620	STR 2	4	-0.01	-0.01	0	0.01
580	SLEqp 1	4	-0.01	-0.01	0	0.01
480	Chr G1	4	-0.01	-0.01	0	0.01
480	SLEf 2	4	-0.01	-0.01	0	0.01
480	STR 4	4	-0.01	-0.01	0	0.01
480	GEO 2	4	-0.01	-0.01	0	0.01
480	SLEr 2	4	-0.01	-0.01	0	0.01
480	SLEqp 2	4	-0.01	-0.01	0	0.01
600	SLEf 1	4	-0.01	-0.01	0	0.01
360	Chr G1SisM	4	-0.01	-0.01	-0.0002	0.01
500	SLEf 2	4	-0.01	-0.01	0	0.01
500	SLEr 2	4	-0.01	-0.01	0	0.01
500	SLEqp 2	4	-0.01	-0.01	0	0.01
500	Chr G1	4	-0.01	-0.01	0	0.01
500	STR 4	4	-0.01	-0.01	0	0.01
500	GEO 2	4	-0.01	-0.01	0	0.01
680	STR 1	4	-0.01	-0.01	-0.0001	0.01
820	Chr G1SisP	4	0	-0.01	0	0.01
640	SLVml 4	4	-0.01	-0.01	-0.0001	0.01
640	SLVml 3	4	-0.01	-0.01	-0.0001	0.01
640	SLDml 3	4	-0.01	-0.01	-0.0001	0.01
640	SLDml 4	4	-0.01	-0.01	-0.0001	0.01
600	SLEqp 1	4	-0.01	-0.01	0	0.01
660	STR 3	4	-0.01	-0.01	-0.0001	0.01

quota	Cmb	Stg	Ux	Uz	Ry	U
520	STR 4	4	-0.01	-0.01	0	0.01
520	SLEqp 2	4	-0.01	-0.01	0	0.01
520	SLEr 2	4	-0.01	-0.01	0	0.01
520	Chr G1	4	-0.01	-0.01	0	0.01
520	GEO 2	4	-0.01	-0.01	0	0.01
520	SLEf 2	4	-0.01	-0.01	0	0.01
840	SLDml 1	4	0	-0.01	0	0.01
840	SLVml 1	4	0	-0.01	0	0.01
840	SLVml 2	4	0	-0.01	0	0.01
840	SLDml 2	4	0	-0.01	0	0.01
640	Chr GIQ1	4	-0.01	-0.01	-0.0001	0.01
640	SLEr 1	4	-0.01	-0.01	-0.0001	0.01
620	SLEf 1	4	-0.01	-0.01	0	0.01
640	STR 2	4	-0.01	-0.01	-0.0001	0.01
540	GEO 2	4	-0.01	-0.01	0	0.01
540	SLEqp 2	4	-0.01	-0.01	0	0.01
540	SLEf 2	4	-0.01	-0.01	0	0.01
540	SLEr 2	4	-0.01	-0.01	0	0.01
540	Chr G1	4	-0.01	-0.01	0	0.01
540	STR 4	4	-0.01	-0.01	0	0.01
460	Chr G1SisM	4	-0.01	-0.01	0	0.01
440	Chr G1SisM	4	-0.01	-0.01	0	0.01
620	SLEqp 1	4	-0.01	-0.01	0	0.01
660	GEO 1	4	-0.01	-0.01	-0.0001	0.01
480	Chr G1SisM	4	-0.01	-0.01	0	0.01
380	Chr G1SisM	4	0	-0.01	-0.0001	0.01
420	Chr G1SisM	4	-0.01	-0.01	0.0001	0.01
400	Chr G1SisM	4	0	-0.01	0	0.01
560	STR 4	4	-0.01	-0.01	0	0.01
560	SLEr 2	4	-0.01	-0.01	0	0.01
560	GEO 2	4	-0.01	-0.01	0	0.01
560	Chr G1	4	-0.01	-0.01	0	0.01
560	SLEqp 2	4	-0.01	-0.01	0	0.01
560	SLEf 2	4	-0.01	-0.01	0	0.01
500	Chr G1SisM	4	-0.01	-0.01	0	0.01
840	Chr G1SisP	4	0	-0.01	0	0.01
640	SLEf 1	4	-0.01	-0.01	-0.0001	0.01
580	STR 4	4	-0.01	-0.01	0	0.01
580	SLEqp 2	4	-0.01	-0.01	0	0.01
580	SLEr 2	4	-0.01	-0.01	0	0.01
580	Chr G1	4	-0.01	-0.01	0	0.01
580	SLEf 2	4	-0.01	-0.01	0	0.01
580	GEO 2	4	-0.01	-0.01	0	0.01
640	SLEqp 1	4	-0.01	-0.01	-0.0001	0.01
520	Chr G1SisM	4	-0.01	-0.01	0	0.01
660	Chr GIQ1	4	-0.01	-0.01	-0.0001	0.01
660	SLEr 1	4	-0.01	-0.01	-0.0001	0.01
660	SLDml 3	4	-0.01	-0.01	-0.0001	0.01
660	SLVml 3	4	-0.01	-0.01	-0.0001	0.01
660	SLDml 4	4	-0.01	-0.01	-0.0001	0.01
660	SLVml 4	4	-0.01	-0.01	-0.0001	0.01
680	STR 3	4	-0.01	-0.01	-0.0001	0.01
860	SLVml 2	4	0	-0.01	0	0.01
860	SLVml 1	4	0	-0.01	0	0.01
860	SLDml 2	4	0	-0.01	0	0.01
860	SLDml 1	4	0	-0.01	0	0.01
700	STR 1	4	0	-0.01	-0.0001	0.01
600	Chr G1	4	-0.01	-0.01	0	0.01
600	SLEr 2	4	-0.01	-0.01	0	0.01
600	GEO 2	4	-0.01	-0.01	0	0.01
600	SLEf 2	4	-0.01	-0.01	0	0.01
600	STR 4	4	-0.01	-0.01	0	0.01
600	SLEqp 2	4	-0.01	-0.01	0	0.01
660	STR 2	4	-0.01	-0.01	-0.0001	0.01
540	Chr G1SisM	4	-0.01	-0.01	0	0.01
680	GEO 1	4	-0.01	-0.01	-0.0001	0.01
620	STR 4	4	-0.01	-0.01	0	0.01
620	GEO 2	4	-0.01	-0.01	0	0.01
620	Chr G1	4	-0.01	-0.01	0	0.01
620	SLEf 2	4	-0.01	-0.01	0	0.01
620	SLEqp 2	4	-0.01	-0.01	0	0.01
620	SLEr 2	4	-0.01	-0.01	0	0.01
560	Chr G1SisM	4	-0.01	-0.01	0	0.01
660	SLEf 1	4	-0.01	-0.01	-0.0001	0.01
860	Chr G1SisP	4	0	-0.01	0	0.01
660	SLEqp 1	4	-0.01	-0.01	-0.0001	0.01
580	Chr G1SisM	4	-0.01	-0.01	0	0.01
720	STR 1	4	0	-0.01	-0.0001	0.01
680	Chr GIQ1	4	-0.01	-0.01	-0.0001	0.01
680	SLEr 1	4	-0.01	-0.01	-0.0001	0.01
640	SLEr 2	4	-0.01	0	0	0.01
640	SLEqp 2	4	-0.01	0	0	0.01
640	SLEf 2	4	-0.01	0	0	0.01
640	GEO 2	4	-0.01	0	0	0.01
640	Chr G1	4	-0.01	0	0	0.01
640	STR 4	4	-0.01	0	0	0.01
880	SLVml 1	4	0	-0.01	0	0.01
880	SLDml 1	4	0	-0.01	0	0.01
880	SLDml 2	4	0	-0.01	0	0.01
880	SLVml 2	4	0	-0.01	0	0.01
600	Chr G1SisM	4	-0.01	-0.01	0	0.01
700	STR 3	4	0	-0.01	-0.0001	0.01
740	STR 1	4	0	-0.01	0	0.01
620	Chr G1SisM	4	-0.01	-0.01	0	0.01
700	GEO 1	4	0	-0.01	-0.0001	0.01
680	SLVml 4	4	-0.01	0	-0.0001	0.01
680	SLVml 3	4	-0.01	0	-0.0001	0.01
680	SLDml 4	4	-0.01	0	-0.0001	0.01
680	SLDml 3	4	-0.01	0	-0.0001	0.01
880	Chr G1SisP	4	0	-0.01	0	0.01
680	STR 2	4	-0.01	-0.01	-0.0001	0.01

quota	Cmb	Stg	Ux	Uz	Ry	U
680	SLEf 1	4	-0.01	-0.01	-0.0001	0.01
720	STR 3	4	0	-0.01	0	0.01
640	Chr G1SisM	4	0	-0.01	0	0.01
680	SLEqp 1	4	0	-0.01	-0.0001	0.01
660	STR 4	4	-0.01	0	-0.0001	0.01
660	SLEqp 2	4	-0.01	0	-0.0001	0.01
660	SLEf 2	4	-0.01	0	-0.0001	0.01
660	GEO 2	4	-0.01	0	-0.0001	0.01
660	SLEr 2	4	-0.01	0	-0.0001	0.01
660	Chr G1	4	-0.01	0	-0.0001	0.01
760	STR 1	4	0	-0.01	0	0.01
900	SLVml 1	4	0	-0.01	0	0.01
900	SLVml 2	4	0	-0.01	0	0.01
900	SLDml 1	4	0	-0.01	0	0.01
900	SLDml 2	4	0	-0.01	0	0.01
700	SLEr 1	4	0	-0.01	-0.0001	0.01
700	Chr G1Q1	4	0	-0.01	-0.0001	0.01
720	GEO 1	4	0	-0.01	0	0.01
740	STR 3	4	0	-0.01	0	0.01
780	STR 1	4	0	-0.01	0	0.01
660	Chr G1SisM	4	0	-0.01	0	0.01
900	Chr G1SisP	4	0	-0.01	0	0.01
740	GEO 1	4	0	-0.01	0	0.01
760	STR 3	4	0	-0.01	0	0.01
700	SLEf 1	4	0	-0.01	-0.0001	0.01
720	Chr G1Q1	4	0	-0.01	0	0.01
720	SLEr 1	4	0	-0.01	0	0.01
800	STR 1	4	0	-0.01	0	0.01
700	SLEqp 1	4	0	-0.01	-0.0001	0.01
760	GEO 1	4	0	-0.01	0	0.01
680	Chr G1SisM	4	0	-0.01	-0.0001	0.01
680	SLEf 2	4	0	0	-0.0001	0.01
680	SLEr 2	4	0	0	-0.0001	0.01
680	SLEqp 2	4	0	0	-0.0001	0.01
680	STR 4	4	0	0	-0.0001	0.01
680	GEO 2	4	0	0	-0.0001	0.01
680	Chr G1	4	0	0	-0.0001	0.01
780	STR 3	4	0	-0.01	0	0.01
700	STR 2	4	0	-0.01	-0.0001	0.01
740	SLEr 1	4	0	-0.01	0	0.01
740	Chr G1Q1	4	0	-0.01	0	0.01
920	SLVml 1	4	0	-0.01	0	0.01
920	SLVml 2	4	0	-0.01	0	0.01
920	SLDml 1	4	0	-0.01	0	0.01
920	SLDml 2	4	0	-0.01	0	0.01
820	STR 1	4	0	-0.01	0	0.01
700	SLDml 4	4	0	0	-0.0001	0.01
700	SLDml 3	4	0	0	-0.0001	0.01
700	SLVml 4	4	0	0	-0.0001	0.01
700	SLVml 3	4	0	0	-0.0001	0.01
720	SLEf 1	4	0	-0.01	0	0.01
780	GEO 1	4	0	-0.01	0	0.01
800	STR 3	4	0	-0.01	0	0.01
920	Chr G1SisP	4	0	-0.01	0	0.01
760	SLEr 1	4	0	-0.01	0	0.01
760	Chr G1Q1	4	0	-0.01	0	0.01
720	SLEqp 1	4	0	-0.01	0	0.01
700	Chr G1SisM	4	0	-0.01	-0.0001	0.01
740	SLEf 1	4	0	-0.01	0	0.01
840	STR 1	4	0	-0.01	0	0.01
800	GEO 1	4	0	-0.01	0	0.01
720	STR 2	4	0	-0.01	0	0.01
780	SLEr 1	4	0	-0.01	0	0.01
780	Chr G1Q1	4	0	-0.01	0	0.01
820	STR 3	4	0	-0.01	0	0.01
740	SLEqp 1	4	0	-0.01	0	0.01
720	Chr G1SisM	4	0	-0.01	0	0.01
760	SLEf 1	4	0	0	0	0.01
820	GEO 1	4	0	0	0	0
740	STR 2	4	0	0	0	0
720	SLDml 4	4	0	0	-0.0001	0
720	SLVml 4	4	0	0	-0.0001	0
720	SLVml 3	4	0	0	-0.0001	0
720	SLDml 3	4	0	0	-0.0001	0
800	SLEr 1	4	0	0	0	0
800	Chr G1Q1	4	0	0	0	0
700	SLEqp 2	4	0	0	-0.0001	0
700	GEO 2	4	0	0	-0.0001	0
700	Chr G1	4	0	0	-0.0001	0
700	SLEf 2	4	0	0	-0.0001	0
700	SLEr 2	4	0	0	-0.0001	0
700	STR 4	4	0	0	-0.0001	0
760	SLEqp 1	4	0	0	0	0
940	SLDml 1	4	0	0	0	0
940	SLVml 2	4	0	0	0	0
940	SLDml 2	4	0	0	0	0
940	SLVml 1	4	0	0	0	0
860	STR 1	4	0	0	0	0
740	Chr G1SisM	4	0	0	0	0
840	STR 3	4	0	0	0	0
780	SLEf 1	4	0	0	0	0
760	STR 2	4	0	0	0	0
780	SLEqp 1	4	0	0	0	0
940	Chr G1SisP	4	0	0	0	0
820	SLEr 1	4	0	0	0	0
820	Chr G1Q1	4	0	0	0	0
840	GEO 1	4	0	0	0	0
740	SLDml 3	4	0	0	0	0
740	SLDml 4	4	0	0	0	0
740	SLVml 4	4	0	0	0	0
740	SLVml 3	4	0	0	0	0

quota	Cmb	Stg	Ux	Uz	Ry	U
760	Chr G1SisM	4	0	0	0	0
800	SLEf 1	4	0	0	0	0
780	STR 2	4	0	0	0	0
880	STR 1	4	0	0	0	0
860	STR 3	4	0	0	0	0
720	GEO 2	4	0	0	0	0
720	Chr G1	4	0	0	0	0
720	SLEr 2	4	0	0	0	0
720	SLEf 2	4	0	0	0	0
720	SLEqp 2	4	0	0	0	0
720	STR 4	4	0	0	0	0
800	SLEqp 1	4	0	0	0	0
760	SLVml 3	4	0	0	0	0
760	SLDml 3	4	0	0	0	0
760	SLVml 4	4	0	0	0	0
760	SLDml 4	4	0	0	0	0
780	Chr G1SisM	4	0	0	0	0
840	Chr G1Q1	4	0	0	0	0
840	SLEr 1	4	0	0	0	0
820	SLEf 1	4	0	0	0	0
800	STR 2	4	0	0	0	0
860	GEO 1	4	0	0	0	0
780	SLVml 3	4	0	0	0	0
780	SLDml 4	4	0	0	0	0
780	SLVml 4	4	0	0	0	0
780	SLDml 3	4	0	0	0	0
740	Chr G1	4	0	0	0	0
740	SLEr 2	4	0	0	0	0
740	GEO 2	4	0	0	0	0
740	SLEf 2	4	0	0	0	0
740	STR 4	4	0	0	0	0
740	SLEqp 2	4	0	0	0	0
820	SLEqp 1	4	0	0	0	0
800	Chr G1SisM	4	0	0	0	0
880	STR 3	4	0	0	0	0
900	STR 1	4	0	0	0	0
800	SLVml 4	4	0	0	0	0
800	SLVml 3	4	0	0	0	0
800	SLDml 4	4	0	0	0	0
800	SLDml 3	4	0	0	0	0
820	STR 2	4	0	0	0	0
840	SLEf 1	4	0	0	0	0
760	SLEqp 2	4	0	0	0	0
760	SLEf 2	4	0	0	0	0
760	Chr G1	4	0	0	0	0
760	GEO 2	4	0	0	0	0
760	STR 4	4	0	0	0	0
760	SLEr 2	4	0	0	0	0
860	Chr G1Q1	4	0	0	0	0
860	SLEr 1	4	0	0	0	0
960	SLVml 1	4	0	0	0	0
960	SLDml 1	4	0	0	0	0
960	SLVml 2	4	0	0	0	0
960	SLDml 2	4	0	0	0	0
880	GEO 1	4	0	0	0	0
840	SLEqp 1	4	0	0	0	0
820	Chr G1SisM	4	0	0	0	0
820	SLDml 4	4	0	0	0	0
820	SLVml 3	4	0	0	0	0
820	SLVml 4	4	0	0	0	0
820	SLDml 3	4	0	0	0	0
960	Chr G1SisP	4	0	0	0	0
780	Chr G1	4	0	0	0	0
780	STR 4	4	0	0	0	0
780	SLEr 2	4	0	0	0	0
780	GEO 2	4	0	0	0	0
780	SLEqp 2	4	0	0	0	0
780	SLEf 2	4	0	0	0	0
840	STR 2	4	0	0	0	0
860	SLEf 1	4	0	0	0	0
900	STR 3	4	0	0	0	0
880	Chr G1Q1	4	0	0	0	0
880	SLEr 1	4	0	0	0	0
840	SLVml 3	4	0	0	0	0
840	SLDml 3	4	0	0	0	0
840	SLDml 4	4	0	0	0	0
840	SLVml 4	4	0	0	0	0
800	SLEqp 2	4	0	0	0	0
800	SLEr 2	4	0	0	0	0
800	Chr G1	4	0	0	0	0
800	GEO 2	4	0	0	0	0
800	STR 4	4	0	0	0	0
800	SLEf 2	4	0	0	0	0
860	SLEqp 1	4	0	0	0	0
920	STR 1	4	0	0	0	0
840	Chr G1SisM	4	0	0	0	0
860	STR 2	4	0	0	0	0
900	GEO 1	4	0	0	0	0
820	SLEqp 2	4	0	0	0	0
820	STR 4	4	0	0	0	0
820	SLEr 2	4	0	0	0	0
820	GEO 2	4	0	0	0	0
820	SLEf 2	4	0	0	0	0
820	Chr G1	4	0	0	0	0
860	SLVml 3	4	0	0	0	0
860	SLVml 4	4	0	0	0	0
860	SLDml 3	4	0	0	0	0
860	SLDml 4	4	0	0	0	0
880	SLEf 1	4	0	0	0	0
880	SLEqp 1	4	0	0	0	0
900	Chr G1Q1	4	0	0	0	0

quota	Cmb	Stg	Ux	Uz	Ry	U
900	SLEr 1	4	0	0	0	0
860	Chr G1SisM	4	0	0	0	0
880	STR 2	4	0	0	0	0
920	STR 3	4	0	0	0	0
840	STR 4	4	0	0	0	0
840	SLEqp 2	4	0	0	0	0
840	SLEf 2	4	0	0	0	0
840	SLEr 2	4	0	0	0	0
840	Chr G1	4	0	0	0	0
840	GEO 2	4	0	0	0	0
880	SLVml 3	4	0	0	0	0
880	SLDml 4	4	0	0	0	0
880	SLVml 4	4	0	0	0	0
880	SLDml 3	4	0	0	0	0
940	STR 1	4	0	0	0	0
920	GEO 1	4	0	0	0	0
980	SLVml 2	4	0	0	0	0
980	SLDml 2	4	0	0	0	0
980	SLDml 1	4	0	0	0	0
980	SLVml 1	4	0	0	0	0
900	SLEf 1	4	0	0	0	0
900	SLEqp 1	4	0	0	0	0
880	Chr G1SisM	4	0	0	0	0
980	Chr G1SisP	4	0	0	0	0
900	STR 2	4	0	0	0	0
860	SLEr 2	4	0	0	0	0
860	SLEqp 2	4	0	0	0	0
860	Chr G1	4	0	0	0	0
860	STR 4	4	0	0	0	0
860	SLEf 2	4	0	0	0	0
860	GEO 2	4	0	0	0	0
900	SLDml 3	4	0	0	0	0
900	SLDml 4	4	0	0	0	0
900	SLVml 3	4	0	0	0	0
900	SLVml 4	4	0	0	0	0
920	SLEr 1	4	0	0	0	0
920	Chr G1Q1	4	0	0	0	0
940	STR 3	4	0	0	0	0
920	SLVml 3	4	0	0	0	0
920	SLDml 3	4	0	0	0	0
920	SLVml 4	4	0	0	0	0
920	SLDml 4	4	0	0	0	0
880	Chr G1	4	0	0	0	0
880	GEO 2	4	0	0	0	0
880	STR 4	4	0	0	0	0
880	SLEr 2	4	0	0	0	0
880	SLEqp 2	4	0	0	0	0
880	SLEf 2	4	0	0	0	0
920	SLEf 1	4	0	0	0	0
940	GEO 1	4	0	0	0	0
920	STR 2	4	0	0	0	0
920	SLEqp 1	4	0	0	0	0
900	Chr G1SisM	4	0	0	0	0
960	STR 1	4	0	0	0	0
1000	SLDml 1	4	0	0	0	0
1000	SLVml 1	4	0	0	0	0
1000	SLDml 2	4	0	0	0	0
1000	SLVml 2	4	0	0	0	0
940	SLDml 3	4	0	0	0	0
940	SLVml 3	4	0	0	0	0
940	SLVml 4	4	0	0	0	0
940	SLDml 4	4	0	0	0	0
940	Chr G1Q1	4	0	0	0	0
940	SLEr 1	4	0	0	0	0
1000	Chr G1SisP	4	0	0	0	0
900	GEO 2	4	0	0	0	0
900	SLEf 2	4	0	0	0	0
900	SLEqp 2	4	0	0	0	0
900	STR 4	4	0	0	0	0
900	Chr G1	4	0	0	0	0
900	SLEr 2	4	0	0	0	0
940	STR 2	4	0	0	0	0
940	SLEf 1	4	0	0	0	0
960	SLDml 4	4	0	0	0	0
960	SLVml 3	4	0	0	0	0
960	SLVml 4	4	0	0	0	0
960	SLDml 3	4	0	0	0	0
960	STR 3	4	0	0	0	0
940	SLEqp 1	4	0	0	0	0
920	Chr G1SisM	4	0	0	0	0
960	GEO 1	4	0	0	0	0
920	Chr G1	4	0	0	0	0
920	SLEqp 2	4	0	0	0	0
920	GEO 2	4	0	0	0	0
920	SLEf 2	4	0	0	0	0
920	STR 4	4	0	0	0	0
920	SLEr 2	4	0	0	0	0
980	SLVml 4	4	0	0	0	0
980	SLDml 4	4	0	0	0	0
980	SLVml 3	4	0	0	0	0
980	SLDml 3	4	0	0	0	0
980	STR 1	4	0	0	0	0
1000	SLVml 4	4	0	0	0	0
1000	SLDml 4	4	0	0	0	0
1000	SLVml 3	4	0	0	0	0
1000	SLDml 3	4	0	0	0	0
960	STR 2	4	0	0	0	0
960	Chr G1Q1	4	0	0	0	0
960	SLEr 1	4	0	0	0	0
960	SLEf 1	4	0	0	0	0
1000	STR 1	4	0	0	0	0

quota	Cmb	Stg	Ux	Uz	Ry	U
940	Chr G1	4	0	0	0	0
940	SLEf 2	4	0	0	0	0
940	SLEqp 2	4	0	0	0	0
940	SLEr 2	4	0	0	0	0
940	STR 4	4	0	0	0	0
940	GEO 2	4	0	0	0	0
960	SLEqp 1	4	0	0	0	0
980	STR 2	4	0	0	0	0
980	STR 3	4	0	0	0	0
940	Chr G1SisM	4	0	0	0	0
980	GEO 1	4	0	0	0	0
1000	STR 2	4	0	0	0	0
980	Chr G1Q1	4	0	0	0	0
980	SLEr 1	4	0	0	0	0
960	SLEqp 2	4	0	0	0	0
960	STR 4	4	0	0	0	0
960	Chr G1	4	0	0	0	0
960	GEO 2	4	0	0	0	0
960	SLEf 2	4	0	0	0	0
960	SLEr 2	4	0	0	0	0
980	SLEf 1	4	0	0	0	0
980	SLEqp 1	4	0	0	0	0
1000	STR 3	4	0	0	0	0
1000	GEO 1	4	0	0	0	0
1000	SLEr 1	4	0	0	0	0
1000	Chr G1Q1	4	0	0	0	0
1000	SLEf 1	4	0	0	0	0
980	GEO 2	4	0	0	0	0
980	SLEr 2	4	0	0	0	0
980	SLEqp 2	4	0	0	0	0
980	STR 4	4	0	0	0	0
980	SLEf 2	4	0	0	0	0
980	Chr G1	4	0	0	0	0
1000	SLEqp 1	4	0	0	0	0
1000	GEO 2	4	0	0	0	0
1000	SLEr 2	4	0	0	0	0
1000	SLEf 2	4	0	0	0	0
1000	SLEqp 2	4	0	0	0	0
1000	STR 4	4	0	0	0	0
1000	Chr G1	4	0	0	0	0
960	Chr G1SisM	4	0	0	0	0
980	Chr G1SisM	4	0	0	0	0
1000	Chr G1SisM	4	0	0	0	0

Significato dei simboli utilizzati:

quota: quota del nodo. [cm]

Cmb: combinazione di calcolo.

Stg: fase di calcolo.

Ux: spostamento assoluto del nodo secondo l'asse X. [cm]

Uz: spostamento assoluto del nodo secondo l'asse Z. [cm]

Ry: rotazione assoluta del nodo attorno all'asse Y. [cm]

U: spostamento vettoriale assoluto del nodo (sqrt(Ux^2+Uz^2)). [cm]

Sollecitazioni sulle aste nelle fasi di calcolo

Sollecitazioni sulle aste nelle fasi di calcolo

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
0	20	SLEr 1	4	26.7	0	-498	-600	-604	25	25
20	40	SLEr 1	4	26.7	-498	-1983	-604	-608	74	74
40	60	SLEr 1	4	26.7	-1983	3050	-1143	-1148	-252	-252
60	80	SLEr 1	4	26.7	3050	7122	-1148	-1152	-204	-204
80	100	SLEr 1	4	26.7	7122	10199	-1152	-1156	-154	-154
100	120	SLEr 1	4	26.7	10199	11999	-1156	-1160	-90	-90
120	140	SLEr 1	4	26.7	11999	12199	-1160	-1164	-10	-10
140	160	SLEr 1	4	26.7	12199	10481	-1164	-1169	86	86
160	180	SLEr 1	4	26.7	10481	6522	-1169	-1173	198	198
180	200	SLEr 1	4	26.7	6522	1	-1173	-1177	326	326
200	220	SLEr 1	4	26.7	1	-9402	-1177	-1181	470	470
220	240	SLEr 1	4	26.7	-9402	-18764	-1181	-1185	468	468
240	260	SLEr 1	4	26.7	-18764	-27244	-1185	-1190	424	424
260	280	SLEr 1	4	26.7	-27244	-33613	-1190	-1194	318	318
280	300	SLEr 1	4	26.7	-33613	-36642	-1194	-1198	151	151
300	320	SLEr 1	4	26.7	-36642	-35103	-1198	-1202	-77	-77
320	340	SLEr 1	4	26.7	-35103	-29818	-1202	-1206	-264	-264
340	360	SLEr 1	4	26.7	-29818	-22867	-1206	-1210	-348	-348
360	380	SLEr 1	4	26.7	-22867	-15846	-1210	-1215	-351	-351
380	400	SLEr 1	4	26.7	-15846	-9764	-1215	-1219	-304	-304
400	420	SLEr 1	4	26.7	-9764	-5072	-1219	-1223	-235	-235
420	440	SLEr 1	4	26.7	-5072	-1903	-1223	-1227	-158	-158
440	460	SLEr 1	4	26.7	-1903	-188	-1227	-1231	-86	-86
460	480	SLEr 1	4	26.7	-188	483	-1231	-1236	-34	-34
480	500	SLEr 1	4	26.7	483	556	-1236	-1240	-4	-4
500	520	SLEr 1	4	26.7	556	379	-1240	-1244	9	9
520	540	SLEr 1	4	26.7	379	169	-1244	-1248	10	10
540	560	SLEr 1	4	26.7	169	46	-1248	-1252	6	6
560	580	SLEr 1	4	26.7	46	74	-1252	-1257	-1	-1
580	600	SLEr 1	4	26.7	74	288	-1257	-1261	-11	-11
600	620	SLEr 1	4	26.7	288	688	-1261	-1265	-20	-20
620	640	SLEr 1	4	26.7	688	1175	-1265	-1269	-24	-24
640	660	SLEr 1	4	26.7	1175	1423	-1269	-1273	-12	-12
660	680	SLEr 1	4	26.7	1423	703	-1273	-1278	36	36
680	700	SLEr 1	4	26.7	703	-2255	-1278	-1282	148	148
700	720	SLEr 1	4	26.7	-2255	-1963	-1282	-1286	-15	-15
720	740	SLEr 1	4	26.7	-1963	-880	-1286	-1290	-54	-54

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
740	760	SLEr 1	4	26.7	-880	-205	-1290	-1294	-34	-34
760	780	SLEr 1	4	26.7	-205	33	-1294	-1299	-12	-12
780	800	SLEr 1	4	26.7	33	59	-1299	-1303	-1	-1
800	820	SLEr 1	4	26.7	59	30	-1303	-1307	1	1
820	840	SLEr 1	4	26.7	30	6	-1307	-1311	1	1
840	860	SLEr 1	4	26.7	6	-3	-1311	-1315	0	0
860	880	SLEr 1	4	26.7	-3	-5	-1315	-1320	0	0
880	900	SLEr 1	4	26.7	-5	-4	-1320	-1324	0	0
900	920	SLEr 1	4	26.7	-4	-3	-1324	-1328	0	0
920	940	SLEr 1	4	26.7	-3	-3	-1328	-1332	0	0
940	960	SLEr 1	4	26.7	-3	-2	-1332	-1336	0	0
960	980	SLEr 1	4	26.7	-2	-1	-1336	-1341	0	0
980	1000	SLEr 1	4	26.7	-1	0	-1341	-1345	0	0
0	20	SLEr 2	4	26.7	0	0	-600	-604	0	0
20	40	SLEr 2	4	26.7	0	1	-604	-608	0	0
40	60	SLEr 2	4	26.7	1	2	-608	-613	0	0
60	80	SLEr 2	4	26.7	2	4	-613	-617	0	0
80	100	SLEr 2	4	26.7	4	-40	-617	-621	2	2
100	120	SLEr 2	4	26.7	-40	-426	-621	-625	19	19
120	140	SLEr 2	4	26.7	-426	-1486	-625	-629	53	53
140	160	SLEr 2	4	26.7	-1486	-3556	-629	-634	103	103
160	180	SLEr 2	4	26.7	-3556	-6967	-634	-638	171	171
180	200	SLEr 2	4	26.7	-6967	-12054	-638	-642	254	254
200	220	SLEr 2	4	26.7	-12054	-19149	-642	-646	355	355
220	240	SLEr 2	4	26.7	-19149	-25344	-646	-650	310	310
240	260	SLEr 2	4	26.7	-25344	-29807	-650	-655	223	223
260	280	SLEr 2	4	26.7	-29807	-31324	-655	-659	76	76
280	300	SLEr 2	4	26.7	-31324	-29059	-659	-663	-113	-113
300	320	SLEr 2	4	26.7	-29059	-24445	-663	-667	-231	-231
320	340	SLEr 2	4	26.7	-24445	-18800	-667	-671	-282	-282
340	360	SLEr 2	4	26.7	-18800	-13189	-671	-675	-281	-281
360	380	SLEr 2	4	26.7	-13189	-8301	-675	-680	-244	-244
380	400	SLEr 2	4	26.7	-8301	-4445	-680	-684	-193	-193
400	420	SLEr 2	4	26.7	-4445	-1774	-684	-688	-134	-134
420	440	SLEr 2	4	26.7	-1774	-278	-688	-692	-75	-75
440	460	SLEr 2	4	26.7	-278	346	-692	-696	-31	-31
460	480	SLEr 2	4	26.7	346	453	-696	-701	-5	-5
480	500	SLEr 2	4	26.7	453	325	-701	-705	6	6
500	520	SLEr 2	4	26.7	325	143	-705	-709	9	9
520	540	SLEr 2	4	26.7	143	5	-709	-713	7	7
540	560	SLEr 2	4	26.7	5	-40	-713	-717	2	2
560	580	SLEr 2	4	26.7	-40	38	-717	-722	-4	-4
580	600	SLEr 2	4	26.7	38	267	-722	-726	-11	-11
600	620	SLEr 2	4	26.7	267	650	-726	-730	-19	-19
620	640	SLEr 2	4	26.7	650	1100	-730	-734	-23	-23
640	660	SLEr 2	4	26.7	1100	1317	-734	-738	-11	-11
660	680	SLEr 2	4	26.7	1317	623	-738	-743	35	35
680	700	SLEr 2	4	26.7	623	-2155	-743	-747	139	139
700	720	SLEr 2	4	26.7	-2155	-1761	-747	-751	-20	-20
720	740	SLEr 2	4	26.7	-1761	-762	-751	-755	-50	-50
740	760	SLEr 2	4	26.7	-762	-165	-755	-759	-30	-30
760	780	SLEr 2	4	26.7	-165	37	-759	-764	-10	-10
780	800	SLEr 2	4	26.7	37	54	-764	-768	-1	-1
800	820	SLEr 2	4	26.7	54	27	-768	-772	1	1
820	840	SLEr 2	4	26.7	27	5	-772	-776	1	1
840	860	SLEr 2	4	26.7	5	-3	-776	-780	0	0
860	880	SLEr 2	4	26.7	-3	-4	-780	-785	0	0
880	900	SLEr 2	4	26.7	-4	-3	-785	-789	0	0
900	920	SLEr 2	4	26.7	-3	-3	-789	-793	0	0
920	940	SLEr 2	4	26.7	-3	-2	-793	-797	0	0
940	960	SLEr 2	4	26.7	-2	-2	-797	-801	0	0
960	980	SLEr 2	4	26.7	-2	-1	-801	-806	0	0
980	1000	SLEr 2	4	26.7	-1	0	-806	-810	0	0
0	20	SLEf 1	4	26.7	0	-349	-600	-604	17	17
20	40	SLEf 1	4	26.7	-349	-1388	-604	-608	52	52
40	60	SLEf 1	4	26.7	-1388	2135	-983	-987	-176	-176
60	80	SLEf 1	4	26.7	2135	4986	-987	-991	-143	-143
80	100	SLEf 1	4	26.7	4986	7127	-991	-995	-107	-107
100	120	SLEf 1	4	26.7	7127	8271	-995	-1000	-57	-57
120	140	SLEf 1	4	26.7	8271	8094	-1000	-1004	9	9
140	160	SLEf 1	4	26.7	8094	6270	-1004	-1008	91	91
160	180	SLEf 1	4	26.7	6270	2475	-1008	-1012	190	190
180	200	SLEf 1	4	26.7	2475	-3615	-1012	-1016	305	305
200	220	SLEf 1	4	26.7	-3615	-12326	-1016	-1021	436	436
220	240	SLEf 1	4	26.7	-12326	-20738	-1021	-1025	421	421
240	260	SLEf 1	4	26.7	-20738	-28013	-1025	-1029	364	364
260	280	SLEf 1	4	26.7	-28013	-32926	-1029	-1033	246	246
280	300	SLEf 1	4	26.7	-32926	-34367	-1033	-1037	72	72
300	320	SLEf 1	4	26.7	-34367	-31906	-1037	-1042	-123	-123
320	340	SLEf 1	4	26.7	-31906	-26513	-1042	-1046	-270	-270
340	360	SLEf 1	4	26.7	-26513	-19963	-1046	-1050	-327	-327
360	380	SLEf 1	4	26.7	-19963	-13583	-1050	-1054	-319	-319
380	400	SLEf 1	4	26.7	-13583	-8168	-1054	-1058	-271	-271
400	420	SLEf 1	4	26.7	-8168	-4083	-1058	-1063	-204	-204
420	440	SLEf 1	4	26.7	-4083	-1416	-1063	-1067	-133	-133
440	460	SLEf 1	4	26.7	-1416	-28	-1067	-1071	-69	-69
460	480	SLEf 1	4	26.7	-28	474	-1071	-1075	-25	-25
480	500	SLEf 1	4	26.7	474	487	-1075	-1079	-1	-1
500	520	SLEf 1	4	26.7	487	308	-1079	-1084	9	9
520	540	SLEf 1	4	26.7	308	120	-1084	-1088	9	9
540	560	SLEf 1	4	26.7	120	20	-1088	-1092	5	5
560	580	SLEf 1	4	26.7	20	63	-1092	-1096	-2	-2
580	600	SLEf 1	4	26.7	63	281	-1096	-1100	-11	-11
600	620	SLEf 1	4	26.7	281	676	-1100	-1105	-20	-20
620	640	SLEf 1	4	26.7	676	1152	-1105	-1109	-24	-24
640	660	SLEf 1	4	26.7	1152	1392	-1109	-1113	-12	-12
660	680	SLEf 1	4	26.7	1392	679	-1113	-1117	36	36
680	700	SLEf 1	4	26.7	679	-2225	-1117	-1121	145	145
700	720	SLEf 1	4	26.7	-2225	-1902	-1121	-1125	-16	-16
720	740	SLEf 1	4	26.7	-1902	-844	-1125	-1130	-53	-53
740	760	SLEf 1	4	26.7	-844	-193	-1130	-1134	-33	-33

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
760	780	SLEf 1	4	26.7	-193	34	-1134	-1138	-11	-11
780	800	SLEf 1	4	26.7	34	57	-1138	-1142	-1	-1
800	820	SLEf 1	4	26.7	57	29	-1142	-1146	1	1
820	840	SLEf 1	4	26.7	29	6	-1146	-1151	1	1
840	860	SLEf 1	4	26.7	6	-3	-1151	-1155	0	0
860	880	SLEf 1	4	26.7	-3	-5	-1155	-1159	0	0
880	900	SLEf 1	4	26.7	-5	-4	-1159	-1163	0	0
900	920	SLEf 1	4	26.7	-4	-3	-1163	-1167	0	0
920	940	SLEf 1	4	26.7	-3	-3	-1167	-1172	0	0
940	960	SLEf 1	4	26.7	-3	-2	-1172	-1176	0	0
960	980	SLEf 1	4	26.7	-2	-1	-1176	-1180	0	0
980	1000	SLEf 1	4	26.7	-1	0	-1180	-1184	0	0
0	20	SLEf 2	4	26.7	0	0	-600	-604	0	0
20	40	SLEf 2	4	26.7	0	1	-604	-608	0	0
40	60	SLEf 2	4	26.7	1	2	-608	-613	0	0
60	80	SLEf 2	4	26.7	2	4	-613	-617	0	0
80	100	SLEf 2	4	26.7	4	-40	-617	-621	2	2
100	120	SLEf 2	4	26.7	-40	-426	-621	-625	19	19
120	140	SLEf 2	4	26.7	-426	-1486	-625	-629	53	53
140	160	SLEf 2	4	26.7	-1486	-3556	-629	-634	103	103
160	180	SLEf 2	4	26.7	-3556	-6967	-634	-638	171	171
180	200	SLEf 2	4	26.7	-6967	-12054	-638	-642	254	254
200	220	SLEf 2	4	26.7	-12054	-19149	-642	-646	355	355
220	240	SLEf 2	4	26.7	-19149	-25344	-646	-650	310	310
240	260	SLEf 2	4	26.7	-25344	-29807	-650	-655	223	223
260	280	SLEf 2	4	26.7	-29807	-31324	-655	-659	76	76
280	300	SLEf 2	4	26.7	-31324	-29059	-659	-663	-113	-113
300	320	SLEf 2	4	26.7	-29059	-24445	-663	-667	-231	-231
320	340	SLEf 2	4	26.7	-24445	-18800	-667	-671	-282	-282
340	360	SLEf 2	4	26.7	-18800	-13189	-671	-675	-281	-281
360	380	SLEf 2	4	26.7	-13189	-8301	-675	-680	-244	-244
380	400	SLEf 2	4	26.7	-8301	-4445	-680	-684	-193	-193
400	420	SLEf 2	4	26.7	-4445	-1774	-684	-688	-134	-134
420	440	SLEf 2	4	26.7	-1774	-278	-688	-692	-75	-75
440	460	SLEf 2	4	26.7	-278	346	-692	-696	-31	-31
460	480	SLEf 2	4	26.7	346	453	-696	-701	-5	-5
480	500	SLEf 2	4	26.7	453	325	-701	-705	6	6
500	520	SLEf 2	4	26.7	325	143	-705	-709	9	9
520	540	SLEf 2	4	26.7	143	5	-709	-713	7	7
540	560	SLEf 2	4	26.7	5	-40	-713	-717	2	2
560	580	SLEf 2	4	26.7	-40	38	-717	-722	-4	-4
580	600	SLEf 2	4	26.7	38	267	-722	-726	-11	-11
600	620	SLEf 2	4	26.7	267	650	-726	-730	-19	-19
620	640	SLEf 2	4	26.7	650	1100	-730	-734	-23	-23
640	660	SLEf 2	4	26.7	1100	1317	-734	-738	-11	-11
660	680	SLEf 2	4	26.7	1317	623	-738	-743	35	35
680	700	SLEf 2	4	26.7	623	-2155	-743	-747	139	139
700	720	SLEf 2	4	26.7	-2155	-1761	-747	-751	-20	-20
720	740	SLEf 2	4	26.7	-1761	-762	-751	-755	-50	-50
740	760	SLEf 2	4	26.7	-762	-165	-755	-759	-30	-30
760	780	SLEf 2	4	26.7	-165	37	-759	-764	-10	-10
780	800	SLEf 2	4	26.7	37	54	-764	-768	-1	-1
800	820	SLEf 2	4	26.7	54	27	-768	-772	1	1
820	840	SLEf 2	4	26.7	27	5	-772	-776	1	1
840	860	SLEf 2	4	26.7	5	-3	-776	-780	0	0
860	880	SLEf 2	4	26.7	-3	-4	-780	-785	0	0
880	900	SLEf 2	4	26.7	-4	-3	-785	-789	0	0
900	920	SLEf 2	4	26.7	-3	-3	-789	-793	0	0
920	940	SLEf 2	4	26.7	-3	-2	-793	-797	0	0
940	960	SLEf 2	4	26.7	-2	-2	-797	-801	0	0
960	980	SLEf 2	4	26.7	-2	-1	-801	-806	0	0
980	1000	SLEf 2	4	26.7	-1	0	-806	-810	0	0
0	20	SLEqp 1	4	26.7	0	-299	-600	-604	15	15
20	40	SLEqp 1	4	26.7	-299	-1190	-604	-608	45	45
40	60	SLEqp 1	4	26.7	-1190	1831	-929	-934	-151	-151
60	80	SLEqp 1	4	26.7	1831	4275	-934	-938	-122	-122
80	100	SLEqp 1	4	26.7	4275	6103	-938	-942	-91	-91
100	120	SLEqp 1	4	26.7	6103	7029	-942	-946	-46	-46
120	140	SLEqp 1	4	26.7	7029	6725	-946	-950	15	15
140	160	SLEqp 1	4	26.7	6725	4866	-950	-955	93	93
160	180	SLEqp 1	4	26.7	4866	1126	-955	-959	187	187
180	200	SLEqp 1	4	26.7	1126	-4821	-959	-963	297	297
200	220	SLEqp 1	4	26.7	-4821	-13301	-963	-967	424	424
220	240	SLEqp 1	4	26.7	-13301	-21396	-967	-971	405	405
240	260	SLEqp 1	4	26.7	-21396	-28269	-971	-976	344	344
260	280	SLEqp 1	4	26.7	-28269	-32697	-976	-980	221	221
280	300	SLEqp 1	4	26.7	-32697	-33609	-980	-984	46	46
300	320	SLEqp 1	4	26.7	-33609	-30840	-984	-988	-138	-138
320	340	SLEqp 1	4	26.7	-30840	-25411	-988	-992	-271	-271
340	360	SLEqp 1	4	26.7	-25411	-18995	-992	-996	-321	-321
360	380	SLEqp 1	4	26.7	-18995	-12828	-996	-1001	-308	-308
380	400	SLEqp 1	4	26.7	-12828	-7636	-1001	-1005	-260	-260
400	420	SLEqp 1	4	26.7	-7636	-3753	-1005	-1009	-194	-194
420	440	SLEqp 1	4	26.7	-3753	-1253	-1009	-1013	-125	-125
440	460	SLEqp 1	4	26.7	-1253	26	-1013	-1017	-64	-64
460	480	SLEqp 1	4	26.7	26	471	-1017	-1022	-22	-22
480	500	SLEqp 1	4	26.7	471	464	-1022	-1026	0	0
500	520	SLEqp 1	4	26.7	464	284	-1026	-1030	9	9
520	540	SLEqp 1	4	26.7	284	103	-1030	-1034	9	9
540	560	SLEqp 1	4	26.7	103	11	-1034	-1038	5	5
560	580	SLEqp 1	4	26.7	11	59	-1038	-1043	-2	-2
580	600	SLEqp 1	4	26.7	59	279	-1043	-1047	-11	-11
600	620	SLEqp 1	4	26.7	279	673	-1047	-1051	-20	-20
620	640	SLEqp 1	4	26.7	673	1145	-1051	-1055	-24	-24
640	660	SLEqp 1	4	26.7	1145	1381	-1055	-1059	-12	-12
660	680	SLEqp 1	4	26.7	1381	671	-1059	-1064	36	36
680	700	SLEqp 1	4	26.7	671	-2215	-1064	-1068	144	144
700	720	SLEqp 1	4	26.7	-2215	-1882	-1068	-1072	-17	-17
720	740	SLEqp 1	4	26.7	-1882	-833	-1072	-1076	-52	-52
740	760	SLEqp 1	4	26.7	-833	-189	-1076	-1080	-32	-32
760	780	SLEqp 1	4	26.7	-189	35	-1080	-1085	-11	-11

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
780	800	SLEqp 1	4	26.7	35	57	-1085	-1089	-1	-1
800	820	SLEqp 1	4	26.7	57	29	-1089	-1093	1	1
820	840	SLEqp 1	4	26.7	29	6	-1093	-1097	1	1
840	860	SLEqp 1	4	26.7	6	-3	-1097	-1101	0	0
860	880	SLEqp 1	4	26.7	-3	-5	-1101	-1106	0	0
880	900	SLEqp 1	4	26.7	-5	-4	-1106	-1110	0	0
900	920	SLEqp 1	4	26.7	-4	-3	-1110	-1114	0	0
920	940	SLEqp 1	4	26.7	-3	-2	-1114	-1118	0	0
940	960	SLEqp 1	4	26.7	-2	-2	-1118	-1122	0	0
960	980	SLEqp 1	4	26.7	-2	-1	-1122	-1127	0	0
980	1000	SLEqp 1	4	26.7	-1	0	-1127	-1131	0	0
0	20	SLEqp 2	4	26.7	0	0	-600	-604	0	0
20	40	SLEqp 2	4	26.7	0	1	-604	-608	0	0
40	60	SLEqp 2	4	26.7	1	2	-608	-613	0	0
60	80	SLEqp 2	4	26.7	2	4	-613	-617	0	0
80	100	SLEqp 2	4	26.7	4	-40	-617	-621	2	2
100	120	SLEqp 2	4	26.7	-40	-426	-621	-625	19	19
120	140	SLEqp 2	4	26.7	-426	-1486	-625	-629	53	53
140	160	SLEqp 2	4	26.7	-1486	-3556	-629	-634	103	103
160	180	SLEqp 2	4	26.7	-3556	-6967	-634	-638	171	171
180	200	SLEqp 2	4	26.7	-6967	-12054	-638	-642	254	254
200	220	SLEqp 2	4	26.7	-12054	-19149	-642	-646	355	355
220	240	SLEqp 2	4	26.7	-19149	-25344	-646	-650	310	310
240	260	SLEqp 2	4	26.7	-25344	-29807	-650	-655	223	223
260	280	SLEqp 2	4	26.7	-29807	-31324	-655	-659	76	76
280	300	SLEqp 2	4	26.7	-31324	-29059	-659	-663	-113	-113
300	320	SLEqp 2	4	26.7	-29059	-24445	-663	-667	-231	-231
320	340	SLEqp 2	4	26.7	-24445	-18800	-667	-671	-282	-282
340	360	SLEqp 2	4	26.7	-18800	-13189	-671	-675	-281	-281
360	380	SLEqp 2	4	26.7	-13189	-8301	-675	-680	-244	-244
380	400	SLEqp 2	4	26.7	-8301	-4445	-680	-684	-193	-193
400	420	SLEqp 2	4	26.7	-4445	-1774	-684	-688	-134	-134
420	440	SLEqp 2	4	26.7	-1774	-278	-688	-692	-75	-75
440	460	SLEqp 2	4	26.7	-278	346	-692	-696	-31	-31
460	480	SLEqp 2	4	26.7	346	453	-696	-701	-5	-5
480	500	SLEqp 2	4	26.7	453	325	-701	-705	6	6
500	520	SLEqp 2	4	26.7	325	143	-705	-709	9	9
520	540	SLEqp 2	4	26.7	143	5	-709	-713	7	7
540	560	SLEqp 2	4	26.7	5	-40	-713	-717	2	2
560	580	SLEqp 2	4	26.7	-40	38	-717	-722	-4	-4
580	600	SLEqp 2	4	26.7	38	267	-722	-726	-11	-11
600	620	SLEqp 2	4	26.7	267	650	-726	-730	-19	-19
620	640	SLEqp 2	4	26.7	650	1100	-730	-734	-23	-23
640	660	SLEqp 2	4	26.7	1100	1317	-734	-738	-11	-11
660	680	SLEqp 2	4	26.7	1317	623	-738	-743	35	35
680	700	SLEqp 2	4	26.7	623	-2155	-743	-747	139	139
700	720	SLEqp 2	4	26.7	-2155	-1761	-747	-751	-20	-20
720	740	SLEqp 2	4	26.7	-1761	-762	-751	-755	-50	-50
740	760	SLEqp 2	4	26.7	-762	-165	-755	-759	-30	-30
760	780	SLEqp 2	4	26.7	-165	37	-759	-764	-10	-10
780	800	SLEqp 2	4	26.7	37	54	-764	-768	-1	-1
800	820	SLEqp 2	4	26.7	54	27	-768	-772	1	1
820	840	SLEqp 2	4	26.7	27	5	-772	-776	1	1
840	860	SLEqp 2	4	26.7	5	-3	-776	-780	0	0
860	880	SLEqp 2	4	26.7	-3	-4	-780	-785	0	0
880	900	SLEqp 2	4	26.7	-4	-3	-785	-789	0	0
900	920	SLEqp 2	4	26.7	-3	-3	-789	-793	0	0
920	940	SLEqp 2	4	26.7	-3	-2	-793	-797	0	0
940	960	SLEqp 2	4	26.7	-2	-2	-797	-801	0	0
960	980	SLEqp 2	4	26.7	-2	-1	-801	-806	0	0
980	1000	SLEqp 2	4	26.7	-1	0	-806	-810	0	0
0	20	STR 1	4	26.7	0	-747	-780	-785	37	37
20	40	STR 1	4	26.7	-747	-2975	-785	-791	111	111
40	60	STR 1	4	26.7	-2975	4574	-1593	-1599	-377	-377
60	80	STR 1	4	26.7	4574	10682	-1599	-1604	-305	-305
80	100	STR 1	4	26.7	10682	15307	-1604	-1610	-231	-231
100	120	STR 1	4	26.7	15307	18083	-1610	-1615	-139	-139
120	140	STR 1	4	26.7	18083	18596	-1615	-1621	-26	-26
140	160	STR 1	4	26.7	18596	16432	-1621	-1626	108	108
160	180	STR 1	4	26.7	16432	11176	-1626	-1632	263	263
180	200	STR 1	4	26.7	11176	2412	-1632	-1637	438	438
200	220	STR 1	4	26.7	2412	-10272	-1637	-1642	634	634
220	240	STR 1	4	26.7	-10272	-23077	-1642	-1648	640	640
240	260	STR 1	4	26.7	-23077	-34904	-1648	-1653	591	591
260	280	STR 1	4	26.7	-34904	-44154	-1653	-1659	463	463
280	300	STR 1	4	26.7	-44154	-49152	-1659	-1664	250	250
300	320	STR 1	4	26.7	-49152	-47766	-1664	-1670	-69	-69
320	340	STR 1	4	26.7	-47766	-40968	-1670	-1675	-340	-340
340	360	STR 1	4	26.7	-40968	-31662	-1675	-1681	-465	-465
360	380	STR 1	4	26.7	-31662	-22109	-1681	-1686	-478	-478
380	400	STR 1	4	26.7	-22109	-13757	-1686	-1692	-418	-418
400	420	STR 1	4	26.7	-13757	-7254	-1692	-1697	-325	-325
420	440	STR 1	4	26.7	-7254	-2799	-1697	-1702	-223	-223
440	460	STR 1	4	26.7	-2799	-351	-1702	-1708	-122	-122
460	480	STR 1	4	26.7	-351	634	-1708	-1713	-49	-49
480	500	STR 1	4	26.7	634	770	-1713	-1719	-7	-7
500	520	STR 1	4	26.7	770	540	-1719	-1724	12	12
520	540	STR 1	4	26.7	540	252	-1724	-1730	14	14
540	560	STR 1	4	26.7	252	77	-1730	-1735	9	9
560	580	STR 1	4	26.7	77	103	-1735	-1741	-1	-1
580	600	STR 1	4	26.7	103	378	-1741	-1746	-14	-14
600	620	STR 1	4	26.7	378	901	-1746	-1752	-26	-26
620	640	STR 1	4	26.7	901	1542	-1752	-1757	-32	-32
640	660	STR 1	4	26.7	1542	1872	-1757	-1762	-16	-16
660	680	STR 1	4	26.7	1872	929	-1762	-1768	47	47
680	700	STR 1	4	26.7	929	-2952	-1768	-1773	194	194
700	720	STR 1	4	26.7	-2952	-2592	-1773	-1779	-18	-18
720	740	STR 1	4	26.7	-2592	-1167	-1779	-1784	-71	-71
740	760	STR 1	4	26.7	-1167	-274	-1784	-1790	-45	-45
760	780	STR 1	4	26.7	-274	42	-1790	-1795	-16	-16
780	800	STR 1	4	26.7	42	77	-1795	-1801	-2	-2

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
800	820	STR 1	4	26.7	77	40	-1801	-1806	2	2
820	840	STR 1	4	26.7	40	8	-1806	-1812	2	2
840	860	STR 1	4	26.7	8	-4	-1812	-1817	1	1
860	880	STR 1	4	26.7	-4	-7	-1817	-1822	0	0
880	900	STR 1	4	26.7	-7	-6	-1822	-1828	0	0
900	920	STR 1	4	26.7	-6	-4	-1828	-1833	0	0
920	940	STR 1	4	26.7	-4	-4	-1833	-1839	0	0
940	960	STR 1	4	26.7	-4	-3	-1839	-1844	0	0
960	980	STR 1	4	26.7	-3	-2	-1844	-1850	0	0
980	1000	STR 1	4	26.7	-2	0	-1850	-1855	0	0
0	20	STR 2	4	26.7	0	0	-780	-785	0	0
20	40	STR 2	4	26.7	0	1	-785	-791	0	0
40	60	STR 2	4	26.7	1	2	-791	-796	0	0
60	80	STR 2	4	26.7	2	5	-796	-802	0	0
80	100	STR 2	4	26.7	5	-52	-802	-807	3	3
100	120	STR 2	4	26.7	-52	-554	-807	-813	25	25
120	140	STR 2	4	26.7	-554	-1932	-813	-818	69	69
140	160	STR 2	4	26.7	-1932	-4622	-818	-824	134	134
160	180	STR 2	4	26.7	-4622	-9057	-824	-829	222	222
180	200	STR 2	4	26.7	-9057	-15670	-829	-835	331	331
200	220	STR 2	4	26.7	-15670	-24894	-835	-840	461	461
220	240	STR 2	4	26.7	-24894	-32947	-840	-845	403	403
240	260	STR 2	4	26.7	-32947	-38750	-845	-851	290	290
260	280	STR 2	4	26.7	-38750	-40722	-851	-856	99	99
280	300	STR 2	4	26.7	-40722	-37777	-856	-862	-147	-147
300	320	STR 2	4	26.7	-37777	-31779	-862	-867	-300	-300
320	340	STR 2	4	26.7	-31779	-24440	-867	-873	-367	-367
340	360	STR 2	4	26.7	-24440	-17145	-873	-878	-365	-365
360	380	STR 2	4	26.7	-17145	-10792	-878	-884	-318	-318
380	400	STR 2	4	26.7	-10792	-5778	-884	-889	-251	-251
400	420	STR 2	4	26.7	-5778	-2306	-889	-895	-174	-174
420	440	STR 2	4	26.7	-2306	-362	-895	-900	-97	-97
440	460	STR 2	4	26.7	-362	450	-900	-905	-41	-41
460	480	STR 2	4	26.7	450	589	-905	-911	-7	-7
480	500	STR 2	4	26.7	589	422	-911	-916	8	8
500	520	STR 2	4	26.7	422	186	-916	-922	12	12
520	540	STR 2	4	26.7	186	7	-922	-927	9	9
540	560	STR 2	4	26.7	7	-53	-927	-933	3	3
560	580	STR 2	4	26.7	-53	49	-933	-938	-5	-5
580	600	STR 2	4	26.7	49	347	-938	-944	-15	-15
600	620	STR 2	4	26.7	347	845	-944	-949	-25	-25
620	640	STR 2	4	26.7	845	1430	-949	-954	-29	-29
640	660	STR 2	4	26.7	1430	1712	-954	-960	-14	-14
660	680	STR 2	4	26.7	1712	810	-960	-965	45	45
680	700	STR 2	4	26.7	810	-2801	-965	-971	181	181
700	720	STR 2	4	26.7	-2801	-2289	-971	-976	-26	-26
720	740	STR 2	4	26.7	-2289	-991	-976	-982	-65	-65
740	760	STR 2	4	26.7	-991	-215	-982	-987	-39	-39
760	780	STR 2	4	26.7	-215	48	-987	-993	-13	-13
780	800	STR 2	4	26.7	48	70	-993	-998	-1	-1
800	820	STR 2	4	26.7	70	35	-998	-1004	2	2
820	840	STR 2	4	26.7	35	7	-1004	-1009	1	1
840	860	STR 2	4	26.7	7	-4	-1009	-1014	1	1
860	880	STR 2	4	26.7	-4	-5	-1014	-1020	0	0
880	900	STR 2	4	26.7	-5	-4	-1020	-1025	0	0
900	920	STR 2	4	26.7	-4	-3	-1025	-1031	0	0
920	940	STR 2	4	26.7	-3	-3	-1031	-1036	0	0
940	960	STR 2	4	26.7	-3	-2	-1036	-1042	0	0
960	980	STR 2	4	26.7	-2	-1	-1042	-1047	0	0
980	1000	STR 2	4	26.7	-1	0	-1047	-1053	0	0
0	20	STR 3	4	26.7	0	-747	-600	-604	37	37
20	40	STR 3	4	26.7	-747	-2975	-604	-608	111	111
40	60	STR 3	4	26.7	-2975	4574	-1411	-1415	-377	-377
60	80	STR 3	4	26.7	4574	10681	-1415	-1419	-305	-305
80	100	STR 3	4	26.7	10681	15319	-1419	-1423	-232	-232
100	120	STR 3	4	26.7	15319	18211	-1423	-1428	-145	-145
120	140	STR 3	4	26.7	18211	19042	-1428	-1432	-42	-42
140	160	STR 3	4	26.7	19042	17499	-1432	-1436	77	77
160	180	STR 3	4	26.7	17499	13266	-1436	-1440	212	212
180	200	STR 3	4	26.7	13266	6028	-1440	-1444	362	362
200	220	STR 3	4	26.7	6028	-4528	-1444	-1449	528	528
220	240	STR 3	4	26.7	-4528	-15474	-1449	-1453	547	547
240	260	STR 3	4	26.7	-15474	-25962	-1453	-1457	524	524
260	280	STR 3	4	26.7	-25962	-34757	-1457	-1461	440	440
280	300	STR 3	4	26.7	-34757	-40434	-1461	-1465	284	284
300	320	STR 3	4	26.7	-40434	-40432	-1465	-1470	0	0
320	340	STR 3	4	26.7	-40432	-35328	-1470	-1474	-255	-255
340	360	STR 3	4	26.7	-35328	-27706	-1474	-1478	-381	-381
360	380	STR 3	4	26.7	-27706	-19619	-1478	-1482	-404	-404
380	400	STR 3	4	26.7	-19619	-12424	-1482	-1486	-360	-360
400	420	STR 3	4	26.7	-12424	-6722	-1486	-1491	-285	-285
420	440	STR 3	4	26.7	-6722	-2716	-1491	-1495	-200	-200
440	460	STR 3	4	26.7	-2716	-454	-1495	-1499	-113	-113
460	480	STR 3	4	26.7	-454	499	-1499	-1503	-48	-48
480	500	STR 3	4	26.7	499	672	-1503	-1507	-9	-9
500	520	STR 3	4	26.7	672	497	-1507	-1512	9	9
520	540	STR 3	4	26.7	497	251	-1512	-1516	12	12
540	560	STR 3	4	26.7	251	89	-1516	-1520	8	8
560	580	STR 3	4	26.7	89	92	-1520	-1524	0	0
580	600	STR 3	4	26.7	92	298	-1524	-1528	-10	-10
600	620	STR 3	4	26.7	298	706	-1528	-1533	-20	-20
620	640	STR 3	4	26.7	706	1212	-1533	-1537	-25	-25
640	660	STR 3	4	26.7	1212	1477	-1537	-1541	-13	-13
660	680	STR 3	4	26.7	1477	742	-1541	-1545	37	37
680	700	STR 3	4	26.7	742	-2305	-1545	-1549	152	152
700	720	STR 3	4	26.7	-2305	-2064	-1549	-1553	-12	-12
720	740	STR 3	4	26.7	-2064	-938	-1553	-1558	-56	-56
740	760	STR 3	4	26.7	-938	-224	-1558	-1562	-36	-36
760	780	STR 3	4	26.7	-224	31	-1562	-1566	-13	-13
780	800	STR 3	4	26.7	31	61	-1566	-1570	-1	-1
800	820	STR 3	4	26.7	61	32	-1570	-1574	1	1

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
820	840	STR 3	4	26.7	32	7	-1574	-1579	1	1
840	860	STR 3	4	26.7	7	-4	-1579	-1583	1	1
860	880	STR 3	4	26.7	-4	-5	-1583	-1587	0	0
880	900	STR 3	4	26.7	-5	-4	-1587	-1591	0	0
900	920	STR 3	4	26.7	-4	-4	-1591	-1595	0	0
920	940	STR 3	4	26.7	-4	-3	-1595	-1600	0	0
940	960	STR 3	4	26.7	-3	-3	-1600	-1604	0	0
960	980	STR 3	4	26.7	-3	-2	-1604	-1608	0	0
980	1000	STR 3	4	26.7	-2	0	-1608	-1612	0	0
0	20	STR 4	4	26.7	0	0	-600	-604	0	0
20	40	STR 4	4	26.7	0	1	-604	-608	0	0
40	60	STR 4	4	26.7	1	2	-608	-613	0	0
60	80	STR 4	4	26.7	2	4	-613	-617	0	0
80	100	STR 4	4	26.7	4	-40	-617	-621	2	2
100	120	STR 4	4	26.7	-40	-426	-621	-625	19	19
120	140	STR 4	4	26.7	-426	-1486	-625	-629	53	53
140	160	STR 4	4	26.7	-1486	-3556	-629	-634	103	103
160	180	STR 4	4	26.7	-3556	-6967	-634	-638	171	171
180	200	STR 4	4	26.7	-6967	-12054	-638	-642	254	254
200	220	STR 4	4	26.7	-12054	-19149	-642	-646	355	355
220	240	STR 4	4	26.7	-19149	-25344	-646	-650	310	310
240	260	STR 4	4	26.7	-25344	-29807	-650	-655	223	223
260	280	STR 4	4	26.7	-29807	-31324	-655	-659	76	76
280	300	STR 4	4	26.7	-31324	-29059	-659	-663	-113	-113
300	320	STR 4	4	26.7	-29059	-24445	-663	-667	-231	-231
320	340	STR 4	4	26.7	-24445	-18800	-667	-671	-282	-282
340	360	STR 4	4	26.7	-18800	-13189	-671	-675	-281	-281
360	380	STR 4	4	26.7	-13189	-8301	-675	-680	-244	-244
380	400	STR 4	4	26.7	-8301	-4445	-680	-684	-193	-193
400	420	STR 4	4	26.7	-4445	-1774	-684	-688	-134	-134
420	440	STR 4	4	26.7	-1774	-278	-688	-692	-75	-75
440	460	STR 4	4	26.7	-278	346	-692	-696	-31	-31
460	480	STR 4	4	26.7	346	453	-696	-701	-5	-5
480	500	STR 4	4	26.7	453	325	-701	-705	6	6
500	520	STR 4	4	26.7	325	143	-705	-709	9	9
520	540	STR 4	4	26.7	143	5	-709	-713	7	7
540	560	STR 4	4	26.7	5	-40	-713	-717	2	2
560	580	STR 4	4	26.7	-40	38	-717	-722	-4	-4
580	600	STR 4	4	26.7	38	267	-722	-726	-11	-11
600	620	STR 4	4	26.7	267	650	-726	-730	-19	-19
620	640	STR 4	4	26.7	650	1100	-730	-734	-23	-23
640	660	STR 4	4	26.7	1100	1317	-734	-738	-11	-11
660	680	STR 4	4	26.7	1317	623	-738	-743	35	35
680	700	STR 4	4	26.7	623	-2155	-743	-747	139	139
700	720	STR 4	4	26.7	-2155	-1761	-747	-751	-20	-20
720	740	STR 4	4	26.7	-1761	-762	-751	-755	-50	-50
740	760	STR 4	4	26.7	-762	-165	-755	-759	-30	-30
760	780	STR 4	4	26.7	-165	37	-759	-764	-10	-10
780	800	STR 4	4	26.7	37	54	-764	-768	-1	-1
800	820	STR 4	4	26.7	54	27	-768	-772	1	1
820	840	STR 4	4	26.7	27	5	-772	-776	1	1
840	860	STR 4	4	26.7	5	-3	-776	-780	0	0
860	880	STR 4	4	26.7	-3	-4	-780	-785	0	0
880	900	STR 4	4	26.7	-4	-3	-785	-789	0	0
900	920	STR 4	4	26.7	-3	-3	-789	-793	0	0
920	940	STR 4	4	26.7	-3	-2	-793	-797	0	0
940	960	STR 4	4	26.7	-2	-2	-797	-801	0	0
960	980	STR 4	4	26.7	-2	-1	-801	-806	0	0
980	1000	STR 4	4	26.7	-1	0	-806	-810	0	0
0	20	GEO 1	4	26.7	0	-648	-600	-604	32	32
20	40	GEO 1	4	26.7	-648	-2579	-604	-608	97	97
40	60	GEO 1	4	26.7	-2579	3964	-1304	-1308	-327	-327
60	80	GEO 1	4	26.7	3964	9257	-1308	-1312	-265	-265
80	100	GEO 1	4	26.7	9257	13271	-1312	-1316	-201	-201
100	120	GEO 1	4	26.7	13271	15726	-1316	-1321	-123	-123
120	140	GEO 1	4	26.7	15726	16305	-1321	-1325	-29	-29
140	160	GEO 1	4	26.7	16305	14692	-1325	-1329	81	81
160	180	GEO 1	4	26.7	14692	10568	-1329	-1333	206	206
180	200	GEO 1	4	26.7	10568	3617	-1333	-1337	348	348
200	220	GEO 1	4	26.7	3617	-6477	-1337	-1342	505	505
220	240	GEO 1	4	26.7	-6477	-16790	-1342	-1346	516	516
240	260	GEO 1	4	26.7	-16790	-26475	-1346	-1350	484	484
260	280	GEO 1	4	26.7	-26475	-34299	-1350	-1354	391	391
280	300	GEO 1	4	26.7	-34299	-38917	-1354	-1358	231	231
300	320	GEO 1	4	26.7	-38917	-38301	-1358	-1363	-31	-31
320	340	GEO 1	4	26.7	-38301	-33124	-1363	-1367	-259	-259
340	360	GEO 1	4	26.7	-33124	-25770	-1367	-1371	-368	-368
360	380	GEO 1	4	26.7	-25770	-18110	-1371	-1375	-383	-383
380	400	GEO 1	4	26.7	-18110	-11360	-1375	-1379	-337	-337
400	420	GEO 1	4	26.7	-11360	-6062	-1379	-1384	-265	-265
420	440	GEO 1	4	26.7	-6062	-2391	-1384	-1388	-184	-184
440	460	GEO 1	4	26.7	-2391	-348	-1388	-1392	-102	-102
460	480	GEO 1	4	26.7	-348	493	-1392	-1396	-42	-42
480	500	GEO 1	4	26.7	493	626	-1396	-1400	-7	-7
500	520	GEO 1	4	26.7	626	449	-1400	-1405	9	9
520	540	GEO 1	4	26.7	449	218	-1405	-1409	12	12
540	560	GEO 1	4	26.7	218	72	-1409	-1413	7	7
560	580	GEO 1	4	26.7	72	85	-1413	-1417	-1	-1
580	600	GEO 1	4	26.7	85	294	-1417	-1421	-10	-10
600	620	GEO 1	4	26.7	294	699	-1421	-1426	-20	-20
620	640	GEO 1	4	26.7	699	1197	-1426	-1430	-25	-25
640	660	GEO 1	4	26.7	1197	1455	-1430	-1434	-13	-13
660	680	GEO 1	4	26.7	1455	726	-1434	-1438	36	36
680	700	GEO 1	4	26.7	726	-2285	-1438	-1442	151	151
700	720	GEO 1	4	26.7	-2285	-2023	-1442	-1446	-13	-13
720	740	GEO 1	4	26.7	-2023	-915	-1446	-1451	-55	-55
740	760	GEO 1	4	26.7	-915	-216	-1451	-1455	-35	-35
760	780	GEO 1	4	26.7	-216	32	-1455	-1459	-12	-12
780	800	GEO 1	4	26.7	32	60	-1459	-1463	-1	-1
800	820	GEO 1	4	26.7	60	31	-1463	-1467	1	1
820	840	GEO 1	4	26.7	31	7	-1467	-1472	1	1

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
840	860	GEO 1	4	26.7	7	-3	-1472	-1476	1	1
860	880	GEO 1	4	26.7	-3	-5	-1476	-1480	0	0
880	900	GEO 1	4	26.7	-5	-4	-1480	-1484	0	0
900	920	GEO 1	4	26.7	-4	-3	-1484	-1488	0	0
920	940	GEO 1	4	26.7	-3	-3	-1488	-1493	0	0
940	960	GEO 1	4	26.7	-3	-2	-1493	-1497	0	0
960	980	GEO 1	4	26.7	-2	-2	-1497	-1501	0	0
980	1000	GEO 1	4	26.7	-2	0	-1501	-1505	0	0
0	20	GEO 2	4	26.7	0	0	-600	-604	0	0
20	40	GEO 2	4	26.7	0	1	-604	-608	0	0
40	60	GEO 2	4	26.7	1	2	-608	-613	0	0
60	80	GEO 2	4	26.7	2	4	-613	-617	0	0
80	100	GEO 2	4	26.7	4	-40	-617	-621	2	2
100	120	GEO 2	4	26.7	-40	-426	-621	-625	19	19
120	140	GEO 2	4	26.7	-426	-1486	-625	-629	53	53
140	160	GEO 2	4	26.7	-1486	-3556	-629	-634	103	103
160	180	GEO 2	4	26.7	-3556	-6967	-634	-638	171	171
180	200	GEO 2	4	26.7	-6967	-12054	-638	-642	254	254
200	220	GEO 2	4	26.7	-12054	-19149	-642	-646	355	355
220	240	GEO 2	4	26.7	-19149	-25344	-646	-650	310	310
240	260	GEO 2	4	26.7	-25344	-29807	-650	-655	223	223
260	280	GEO 2	4	26.7	-29807	-31324	-655	-659	76	76
280	300	GEO 2	4	26.7	-31324	-29059	-659	-663	-113	-113
300	320	GEO 2	4	26.7	-29059	-24445	-663	-667	-231	-231
320	340	GEO 2	4	26.7	-24445	-18800	-667	-671	-282	-282
340	360	GEO 2	4	26.7	-18800	-13189	-671	-675	-281	-281
360	380	GEO 2	4	26.7	-13189	-8301	-675	-680	-244	-244
380	400	GEO 2	4	26.7	-8301	-4445	-680	-684	-193	-193
400	420	GEO 2	4	26.7	-4445	-1774	-684	-688	-134	-134
420	440	GEO 2	4	26.7	-1774	-278	-688	-692	-75	-75
440	460	GEO 2	4	26.7	-278	346	-692	-696	-31	-31
460	480	GEO 2	4	26.7	346	453	-696	-701	-5	-5
480	500	GEO 2	4	26.7	453	325	-701	-705	6	6
500	520	GEO 2	4	26.7	325	143	-705	-709	9	9
520	540	GEO 2	4	26.7	143	5	-709	-713	7	7
540	560	GEO 2	4	26.7	5	-40	-713	-717	2	2
560	580	GEO 2	4	26.7	-40	38	-717	-722	-4	-4
580	600	GEO 2	4	26.7	38	267	-722	-726	-11	-11
600	620	GEO 2	4	26.7	267	650	-726	-730	-19	-19
620	640	GEO 2	4	26.7	650	1100	-730	-734	-23	-23
640	660	GEO 2	4	26.7	1100	1317	-734	-738	-11	-11
660	680	GEO 2	4	26.7	1317	623	-738	-743	35	35
680	700	GEO 2	4	26.7	623	-2155	-743	-747	139	139
700	720	GEO 2	4	26.7	-2155	-1761	-747	-751	-20	-20
720	740	GEO 2	4	26.7	-1761	-762	-751	-755	-50	-50
740	760	GEO 2	4	26.7	-762	-165	-755	-759	-30	-30
760	780	GEO 2	4	26.7	-165	37	-759	-764	-10	-10
780	800	GEO 2	4	26.7	37	54	-764	-768	-1	-1
800	820	GEO 2	4	26.7	54	27	-768	-772	1	1
820	840	GEO 2	4	26.7	27	5	-772	-776	1	1
840	860	GEO 2	4	26.7	5	-3	-776	-780	0	0
860	880	GEO 2	4	26.7	-3	-4	-780	-785	0	0
880	900	GEO 2	4	26.7	-4	-3	-785	-789	0	0
900	920	GEO 2	4	26.7	-3	-3	-789	-793	0	0
920	940	GEO 2	4	26.7	-3	-2	-793	-797	0	0
940	960	GEO 2	4	26.7	-2	-2	-797	-801	0	0
960	980	GEO 2	4	26.7	-2	-1	-801	-806	0	0
980	1000	GEO 2	4	26.7	-1	0	-806	-810	0	0
0	20	SLDml 1	4	26.7	0	-2449	-600	-604	122	122
20	40	SLDml 1	4	26.7	-2449	-9783	-604	-608	367	367
40	60	SLDml 1	4	26.7	-9783	24809	-3950	-3954	-1730	-1730
60	80	SLDml 1	4	26.7	24809	54546	-3954	-3958	-1487	-1487
80	100	SLDml 1	4	26.7	54546	79398	-3958	-3963	-1243	-1243
100	120	SLDml 1	4	26.7	79398	99084	-3963	-3967	-984	-984
120	140	SLDml 1	4	26.7	99084	113287	-3967	-3971	-710	-710
140	160	SLDml 1	4	26.7	113287	121690	-3971	-3975	-420	-420
160	180	SLDml 1	4	26.7	121690	123973	-3975	-3979	-114	-114
180	200	SLDml 1	4	26.7	123973	119819	-3979	-3983	208	208
200	220	SLDml 1	4	26.7	119819	108910	-3983	-3988	545	545
220	240	SLDml 1	4	26.7	108910	93721	-3988	-3992	759	759
240	260	SLDml 1	4	26.7	93721	74823	-3992	-3996	945	945
260	280	SLDml 1	4	26.7	74823	53080	-3996	-4000	1087	1087
280	300	SLDml 1	4	26.7	53080	29589	-4000	-4004	1175	1175
300	320	SLDml 1	4	26.7	29589	6805	-4004	-4009	1139	1139
320	340	SLDml 1	4	26.7	6805	-14118	-4009	-4013	1046	1046
340	360	SLDml 1	4	26.7	-14118	-32929	-4013	-4017	941	941
360	380	SLDml 1	4	26.7	-32929	-49316	-4017	-4021	819	819
380	400	SLDml 1	4	26.7	-49316	-62842	-4021	-4025	676	676
400	420	SLDml 1	4	26.7	-62842	-72826	-4025	-4030	499	499
420	440	SLDml 1	4	26.7	-72826	-78497	-4030	-4034	284	284
440	460	SLDml 1	4	26.7	-78497	-79139	-4034	-4038	32	32
460	480	SLDml 1	4	26.7	-79139	-73861	-4038	-4042	-264	-264
480	500	SLDml 1	4	26.7	-73861	-61707	-4042	-4046	-608	-608
500	520	SLDml 1	4	26.7	-61707	-43871	-4046	-4051	-892	-892
520	540	SLDml 1	4	26.7	-43871	-26299	-4051	-4055	-879	-879
540	560	SLDml 1	4	26.7	-26299	-12075	-4055	-4059	-711	-711
560	580	SLDml 1	4	26.7	-12075	-3183	-4059	-4063	-445	-445
580	600	SLDml 1	4	26.7	-3183	1296	-4063	-4067	-224	-224
600	620	SLDml 1	4	26.7	1296	3130	-4067	-4072	-92	-92
620	640	SLDml 1	4	26.7	3130	3644	-4072	-4076	-26	-26
640	660	SLDml 1	4	26.7	3644	3273	-4076	-4080	19	19
660	680	SLDml 1	4	26.7	3273	1803	-4080	-4084	74	74
680	700	SLDml 1	4	26.7	1803	-2403	-4084	-4088	210	210
700	720	SLDml 1	4	26.7	-2403	-2712	-4088	-4093	15	15
720	740	SLDml 1	4	26.7	-2712	-1727	-4093	-4097	-49	-49
740	760	SLDml 1	4	26.7	-1727	-784	-4097	-4101	-47	-47
760	780	SLDml 1	4	26.7	-784	-200	-4101	-4105	-29	-29
780	800	SLDml 1	4	26.7	-200	16	-4105	-4109	-11	-11
800	820	SLDml 1	4	26.7	16	44	-4109	-4114	-1	-1
820	840	SLDml 1	4	26.7	44	22	-4114	-4118	1	1
840	860	SLDml 1	4	26.7	22	3	-4118	-4122	1	1

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
860	880	SLDm1 1	4	26.7	3	-5	-4122	-4126	0	0
880	900	SLDm1 1	4	26.7	-5	-7	-4126	-4130	0	0
900	920	SLDm1 1	4	26.7	-7	-6	-4130	-4134	0	0
920	940	SLDm1 1	4	26.7	-6	-5	-4134	-4139	0	0
940	960	SLDm1 1	4	26.7	-5	-4	-4139	-4143	0	0
960	980	SLDm1 1	4	26.7	-4	-2	-4143	-4147	0	0
980	1000	SLDm1 1	4	26.7	-2	0	-4147	-4151	0	0
0	20	SLDm1 2	4	26.7	0	-2449	-600	-604	122	122
20	40	SLDm1 2	4	26.7	-2449	-9783	-604	-608	367	367
40	60	SLDm1 2	4	26.7	-9783	24809	-3950	-3954	-1730	-1730
60	80	SLDm1 2	4	26.7	24809	54546	-3954	-3958	-1487	-1487
80	100	SLDm1 2	4	26.7	54546	79398	-3958	-3963	-1243	-1243
100	120	SLDm1 2	4	26.7	79398	99084	-3963	-3967	-984	-984
120	140	SLDm1 2	4	26.7	99084	113287	-3967	-3971	-710	-710
140	160	SLDm1 2	4	26.7	113287	121690	-3971	-3975	-420	-420
160	180	SLDm1 2	4	26.7	121690	123973	-3975	-3979	-114	-114
180	200	SLDm1 2	4	26.7	123973	119819	-3979	-3983	208	208
200	220	SLDm1 2	4	26.7	119819	108910	-3983	-3988	545	545
220	240	SLDm1 2	4	26.7	108910	93721	-3988	-3992	759	759
240	260	SLDm1 2	4	26.7	93721	74823	-3992	-3996	945	945
260	280	SLDm1 2	4	26.7	74823	53080	-3996	-4000	1087	1087
280	300	SLDm1 2	4	26.7	53080	29589	-4000	-4004	1175	1175
300	320	SLDm1 2	4	26.7	29589	6805	-4004	-4009	1139	1139
320	340	SLDm1 2	4	26.7	6805	-14118	-4009	-4013	1046	1046
340	360	SLDm1 2	4	26.7	-14118	-32929	-4013	-4017	941	941
360	380	SLDm1 2	4	26.7	-32929	-49316	-4017	-4021	819	819
380	400	SLDm1 2	4	26.7	-49316	-62842	-4021	-4025	676	676
400	420	SLDm1 2	4	26.7	-62842	-72826	-4025	-4030	499	499
420	440	SLDm1 2	4	26.7	-72826	-78497	-4030	-4034	284	284
440	460	SLDm1 2	4	26.7	-78497	-79139	-4034	-4038	32	32
460	480	SLDm1 2	4	26.7	-79139	-73861	-4038	-4042	-264	-264
480	500	SLDm1 2	4	26.7	-73861	-61707	-4042	-4046	-608	-608
500	520	SLDm1 2	4	26.7	-61707	-43871	-4046	-4051	-892	-892
520	540	SLDm1 2	4	26.7	-43871	-26299	-4051	-4055	-879	-879
540	560	SLDm1 2	4	26.7	-26299	-12075	-4055	-4059	-711	-711
560	580	SLDm1 2	4	26.7	-12075	-3183	-4059	-4063	-445	-445
580	600	SLDm1 2	4	26.7	-3183	1296	-4063	-4067	-224	-224
600	620	SLDm1 2	4	26.7	1296	3130	-4067	-4072	-92	-92
620	640	SLDm1 2	4	26.7	3130	3644	-4072	-4076	-26	-26
640	660	SLDm1 2	4	26.7	3644	3273	-4076	-4080	19	19
660	680	SLDm1 2	4	26.7	3273	1803	-4080	-4084	74	74
680	700	SLDm1 2	4	26.7	1803	-2403	-4084	-4088	210	210
700	720	SLDm1 2	4	26.7	-2403	-2712	-4088	-4093	15	15
720	740	SLDm1 2	4	26.7	-2712	-1727	-4093	-4097	-49	-49
740	760	SLDm1 2	4	26.7	-1727	-784	-4097	-4101	-47	-47
760	780	SLDm1 2	4	26.7	-784	-200	-4101	-4105	-29	-29
780	800	SLDm1 2	4	26.7	-200	16	-4105	-4109	-11	-11
800	820	SLDm1 2	4	26.7	16	44	-4109	-4114	-1	-1
820	840	SLDm1 2	4	26.7	44	22	-4114	-4118	1	1
840	860	SLDm1 2	4	26.7	22	3	-4118	-4122	1	1
860	880	SLDm1 2	4	26.7	3	-5	-4122	-4126	0	0
880	900	SLDm1 2	4	26.7	-5	-7	-4126	-4130	0	0
900	920	SLDm1 2	4	26.7	-7	-6	-4130	-4134	0	0
920	940	SLDm1 2	4	26.7	-6	-5	-4134	-4139	0	0
940	960	SLDm1 2	4	26.7	-5	-4	-4139	-4143	0	0
960	980	SLDm1 2	4	26.7	-4	-2	-4143	-4147	0	0
980	1000	SLDm1 2	4	26.7	-2	0	-4147	-4151	0	0
0	20	SLDm1 3	4	26.7	0	0	-600	-604	0	0
20	40	SLDm1 3	4	26.7	0	1	-604	-608	0	0
40	60	SLDm1 3	4	26.7	1	1231	-696	-700	-62	-62
60	80	SLDm1 3	4	26.7	1231	2463	-700	-705	-62	-62
80	100	SLDm1 3	4	26.7	2463	3649	-705	-709	-59	-59
100	120	SLDm1 3	4	26.7	3649	4493	-709	-713	-42	-42
120	140	SLDm1 3	4	26.7	4493	4662	-713	-717	-8	-8
140	160	SLDm1 3	4	26.7	4662	3823	-717	-721	42	42
160	180	SLDm1 3	4	26.7	3823	1641	-721	-726	109	109
180	200	SLDm1 3	4	26.7	1641	-2215	-726	-730	193	193
200	220	SLDm1 3	4	26.7	-2215	-8080	-730	-734	293	293
220	240	SLDm1 3	4	26.7	-8080	-15047	-734	-738	348	348
240	260	SLDm1 3	4	26.7	-15047	-22010	-738	-742	348	348
260	280	SLDm1 3	4	26.7	-22010	-27389	-742	-747	269	269
280	300	SLDm1 3	4	26.7	-27389	-29662	-747	-751	114	114
300	320	SLDm1 3	4	26.7	-29662	-28445	-751	-755	-61	-61
320	340	SLDm1 3	4	26.7	-28445	-24715	-755	-759	-187	-187
340	360	SLDm1 3	4	26.7	-24715	-20273	-759	-763	-222	-222
360	380	SLDm1 3	4	26.7	-20273	-15297	-763	-767	-249	-249
380	400	SLDm1 3	4	26.7	-15297	-10197	-767	-772	-255	-255
400	420	SLDm1 3	4	26.7	-10197	-5704	-772	-776	-225	-225
420	440	SLDm1 3	4	26.7	-5704	-2458	-776	-780	-162	-162
440	460	SLDm1 3	4	26.7	-2458	-573	-780	-784	-94	-94
460	480	SLDm1 3	4	26.7	-573	258	-784	-788	-42	-42
480	500	SLDm1 3	4	26.7	258	444	-788	-793	-9	-9
500	520	SLDm1 3	4	26.7	444	329	-793	-797	6	6
520	540	SLDm1 3	4	26.7	329	150	-797	-801	9	9
540	560	SLDm1 3	4	26.7	150	48	-801	-805	5	5
560	580	SLDm1 3	4	26.7	48	112	-805	-809	-3	-3
580	600	SLDm1 3	4	26.7	112	399	-809	-814	-14	-14
600	620	SLDm1 3	4	26.7	399	917	-814	-818	-26	-26
620	640	SLDm1 3	4	26.7	917	1542	-818	-822	-31	-31
640	660	SLDm1 3	4	26.7	1542	1845	-822	-826	-15	-15
660	680	SLDm1 3	4	26.7	1845	872	-826	-830	49	49
680	700	SLDm1 3	4	26.7	872	-3030	-830	-835	195	195
700	720	SLDm1 3	4	26.7	-3030	-2480	-835	-839	-27	-27
720	740	SLDm1 3	4	26.7	-2480	-1076	-839	-843	-70	-70
740	760	SLDm1 3	4	26.7	-1076	-235	-843	-847	-42	-42
760	780	SLDm1 3	4	26.7	-235	51	-847	-851	-14	-14
780	800	SLDm1 3	4	26.7	51	76	-851	-856	-1	-1
800	820	SLDm1 3	4	26.7	76	37	-856	-860	2	2
820	840	SLDm1 3	4	26.7	37	7	-860	-864	1	1
840	860	SLDm1 3	4	26.7	7	-5	-864	-868	1	1
860	880	SLDm1 3	4	26.7	-5	-6	-868	-872	0	0

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
880	900	SLDm1 3	4	26.7	-6	-5	-872	-877	0	0
900	920	SLDm1 3	4	26.7	-5	-4	-877	-881	0	0
920	940	SLDm1 3	4	26.7	-4	-3	-881	-885	0	0
940	960	SLDm1 3	4	26.7	-3	-3	-885	-889	0	0
960	980	SLDm1 3	4	26.7	-3	-1	-889	-893	0	0
980	1000	SLDm1 3	4	26.7	-1	0	-893	-898	0	0
0	20	SLDm1 4	4	26.7	0	0	-600	-604	0	0
20	40	SLDm1 4	4	26.7	0	1	-604	-608	0	0
40	60	SLDm1 4	4	26.7	1	1231	-696	-700	-62	-62
60	80	SLDm1 4	4	26.7	1231	2463	-700	-705	-62	-62
80	100	SLDm1 4	4	26.7	2463	3649	-705	-709	-59	-59
100	120	SLDm1 4	4	26.7	3649	4493	-709	-713	-42	-42
120	140	SLDm1 4	4	26.7	4493	4662	-713	-717	-8	-8
140	160	SLDm1 4	4	26.7	4662	3823	-717	-721	42	42
160	180	SLDm1 4	4	26.7	3823	1641	-721	-726	109	109
180	200	SLDm1 4	4	26.7	1641	-2215	-726	-730	193	193
200	220	SLDm1 4	4	26.7	-2215	-8080	-730	-734	293	293
220	240	SLDm1 4	4	26.7	-8080	-15047	-734	-738	348	348
240	260	SLDm1 4	4	26.7	-15047	-22010	-738	-742	348	348
260	280	SLDm1 4	4	26.7	-22010	-27389	-742	-747	269	269
280	300	SLDm1 4	4	26.7	-27389	-29662	-747	-751	114	114
300	320	SLDm1 4	4	26.7	-29662	-28445	-751	-755	-61	-61
320	340	SLDm1 4	4	26.7	-28445	-24715	-755	-759	-187	-187
340	360	SLDm1 4	4	26.7	-24715	-20273	-759	-763	-222	-222
360	380	SLDm1 4	4	26.7	-20273	-15297	-763	-767	-249	-249
380	400	SLDm1 4	4	26.7	-15297	-10197	-767	-772	-255	-255
400	420	SLDm1 4	4	26.7	-10197	-5704	-772	-776	-225	-225
420	440	SLDm1 4	4	26.7	-5704	-2458	-776	-780	-162	-162
440	460	SLDm1 4	4	26.7	-2458	-573	-780	-784	-94	-94
460	480	SLDm1 4	4	26.7	-573	258	-784	-788	-42	-42
480	500	SLDm1 4	4	26.7	258	444	-788	-793	-9	-9
500	520	SLDm1 4	4	26.7	444	329	-793	-797	6	6
520	540	SLDm1 4	4	26.7	329	150	-797	-801	9	9
540	560	SLDm1 4	4	26.7	150	48	-801	-805	5	5
560	580	SLDm1 4	4	26.7	48	112	-805	-809	-3	-3
580	600	SLDm1 4	4	26.7	112	399	-809	-814	-14	-14
600	620	SLDm1 4	4	26.7	399	917	-814	-818	-26	-26
620	640	SLDm1 4	4	26.7	917	1542	-818	-822	-31	-31
640	660	SLDm1 4	4	26.7	1542	1845	-822	-826	-15	-15
660	680	SLDm1 4	4	26.7	1845	872	-826	-830	49	49
680	700	SLDm1 4	4	26.7	872	-3030	-830	-835	195	195
700	720	SLDm1 4	4	26.7	-3030	-2480	-835	-839	-27	-27
720	740	SLDm1 4	4	26.7	-2480	-1076	-839	-843	-70	-70
740	760	SLDm1 4	4	26.7	-1076	-235	-843	-847	-42	-42
760	780	SLDm1 4	4	26.7	-235	51	-847	-851	-14	-14
780	800	SLDm1 4	4	26.7	51	76	-851	-856	-1	-1
800	820	SLDm1 4	4	26.7	76	37	-856	-860	2	2
820	840	SLDm1 4	4	26.7	37	7	-860	-864	1	1
840	860	SLDm1 4	4	26.7	7	-5	-864	-868	1	1
860	880	SLDm1 4	4	26.7	-5	-6	-868	-872	0	0
880	900	SLDm1 4	4	26.7	-6	-5	-872	-877	0	0
900	920	SLDm1 4	4	26.7	-5	-4	-877	-881	0	0
920	940	SLDm1 4	4	26.7	-4	-3	-881	-885	0	0
940	960	SLDm1 4	4	26.7	-3	-3	-885	-889	0	0
960	980	SLDm1 4	4	26.7	-3	-1	-889	-893	0	0
980	1000	SLDm1 4	4	26.7	-1	0	-893	-898	0	0
0	20	SLVml 1	4	26.7	0	-2449	-600	-604	122	122
20	40	SLVml 1	4	26.7	-2449	-9783	-604	-608	367	367
40	60	SLVml 1	4	26.7	-9783	24809	-3950	-3954	-1730	-1730
60	80	SLVml 1	4	26.7	24809	54546	-3954	-3958	-1487	-1487
80	100	SLVml 1	4	26.7	54546	79398	-3958	-3963	-1243	-1243
100	120	SLVml 1	4	26.7	79398	99084	-3963	-3967	-984	-984
120	140	SLVml 1	4	26.7	99084	113287	-3967	-3971	-710	-710
140	160	SLVml 1	4	26.7	113287	121690	-3971	-3975	-420	-420
160	180	SLVml 1	4	26.7	121690	123973	-3975	-3979	-114	-114
180	200	SLVml 1	4	26.7	123973	119819	-3979	-3983	208	208
200	220	SLVml 1	4	26.7	119819	108910	-3983	-3988	545	545
220	240	SLVml 1	4	26.7	108910	93721	-3988	-3992	759	759
240	260	SLVml 1	4	26.7	93721	74623	-3992	-3996	945	945
260	280	SLVml 1	4	26.7	74623	53080	-3996	-4000	1087	1087
280	300	SLVml 1	4	26.7	53080	29589	-4000	-4004	1175	1175
300	320	SLVml 1	4	26.7	29589	6805	-4004	-4009	1139	1139
320	340	SLVml 1	4	26.7	6805	-14118	-4009	-4013	1046	1046
340	360	SLVml 1	4	26.7	-14118	-32929	-4013	-4017	941	941
360	380	SLVml 1	4	26.7	-32929	-49316	-4017	-4021	819	819
380	400	SLVml 1	4	26.7	-49316	-62842	-4021	-4025	676	676
400	420	SLVml 1	4	26.7	-62842	-72826	-4025	-4030	499	499
420	440	SLVml 1	4	26.7	-72826	-78497	-4030	-4034	284	284
440	460	SLVml 1	4	26.7	-78497	-79139	-4034	-4038	32	32
460	480	SLVml 1	4	26.7	-79139	-73861	-4038	-4042	-264	-264
480	500	SLVml 1	4	26.7	-73861	-61707	-4042	-4046	-608	-608
500	520	SLVml 1	4	26.7	-61707	-43871	-4046	-4051	-892	-892
520	540	SLVml 1	4	26.7	-43871	-26299	-4051	-4055	-879	-879
540	560	SLVml 1	4	26.7	-26299	-12075	-4055	-4059	-711	-711
560	580	SLVml 1	4	26.7	-12075	-3183	-4059	-4063	-445	-445
580	600	SLVml 1	4	26.7	-3183	1296	-4063	-4067	-224	-224
600	620	SLVml 1	4	26.7	1296	3130	-4067	-4072	-92	-92
620	640	SLVml 1	4	26.7	3130	3644	-4072	-4076	-26	-26
640	660	SLVml 1	4	26.7	3644	3273	-4076	-4080	19	19
660	680	SLVml 1	4	26.7	3273	1803	-4080	-4084	74	74
680	700	SLVml 1	4	26.7	1803	-2403	-4084	-4088	210	210
700	720	SLVml 1	4	26.7	-2403	-2712	-4088	-4093	15	15
720	740	SLVml 1	4	26.7	-2712	-1727	-4093	-4097	-49	-49
740	760	SLVml 1	4	26.7	-1727	-784	-4097	-4101	-47	-47
760	780	SLVml 1	4	26.7	-784	-200	-4101	-4105	-29	-29
780	800	SLVml 1	4	26.7	-200	16	-4105	-4109	-11	-11
800	820	SLVml 1	4	26.7	16	44	-4109	-4114	-1	-1
820	840	SLVml 1	4	26.7	44	22	-4114	-4118	1	1
840	860	SLVml 1	4	26.7	22	3	-4118	-4122	1	1
860	880	SLVml 1	4	26.7	3	-5	-4122	-4126	0	0
880	900	SLVml 1	4	26.7	-5	-7	-4126	-4130	0	0

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
900	920	SLVml 1	4	26.7	-7	-6	-4130	-4134	0	0
920	940	SLVml 1	4	26.7	-6	-5	-4134	-4139	0	0
940	960	SLVml 1	4	26.7	-5	-4	-4139	-4143	0	0
960	980	SLVml 1	4	26.7	-4	-2	-4143	-4147	0	0
980	1000	SLVml 1	4	26.7	-2	0	-4147	-4151	0	0
0	20	SLVml 2	4	26.7	0	-2449	-600	-604	122	122
20	40	SLVml 2	4	26.7	-2449	-9783	-604	-608	367	367
40	60	SLVml 2	4	26.7	-9783	24809	-3950	-3954	-1730	-1730
60	80	SLVml 2	4	26.7	24809	54546	-3954	-3958	-1487	-1487
80	100	SLVml 2	4	26.7	54546	79398	-3958	-3963	-1243	-1243
100	120	SLVml 2	4	26.7	79398	99084	-3963	-3967	-984	-984
120	140	SLVml 2	4	26.7	99084	113287	-3967	-3971	-710	-710
140	160	SLVml 2	4	26.7	113287	121690	-3971	-3975	-420	-420
160	180	SLVml 2	4	26.7	121690	123973	-3975	-3979	-114	-114
180	200	SLVml 2	4	26.7	123973	119819	-3979	-3983	208	208
200	220	SLVml 2	4	26.7	119819	108910	-3983	-3988	545	545
220	240	SLVml 2	4	26.7	108910	93721	-3988	-3992	759	759
240	260	SLVml 2	4	26.7	93721	74823	-3992	-3996	945	945
260	280	SLVml 2	4	26.7	74823	53080	-3996	-4000	1087	1087
280	300	SLVml 2	4	26.7	53080	29589	-4000	-4004	1175	1175
300	320	SLVml 2	4	26.7	29589	6805	-4004	-4009	1139	1139
320	340	SLVml 2	4	26.7	6805	-14118	-4009	-4013	1046	1046
340	360	SLVml 2	4	26.7	-14118	-32929	-4013	-4017	941	941
360	380	SLVml 2	4	26.7	-32929	-49316	-4017	-4021	819	819
380	400	SLVml 2	4	26.7	-49316	-62842	-4021	-4025	676	676
400	420	SLVml 2	4	26.7	-62842	-72826	-4025	-4030	499	499
420	440	SLVml 2	4	26.7	-72826	-78497	-4030	-4034	284	284
440	460	SLVml 2	4	26.7	-78497	-79139	-4034	-4038	32	32
460	480	SLVml 2	4	26.7	-79139	-73861	-4038	-4042	-264	-264
480	500	SLVml 2	4	26.7	-73861	-61707	-4042	-4046	-608	-608
500	520	SLVml 2	4	26.7	-61707	-43871	-4046	-4051	-892	-892
520	540	SLVml 2	4	26.7	-43871	-26299	-4051	-4055	-879	-879
540	560	SLVml 2	4	26.7	-26299	-12075	-4055	-4059	-711	-711
560	580	SLVml 2	4	26.7	-12075	-3183	-4059	-4063	-445	-445
580	600	SLVml 2	4	26.7	-3183	1296	-4063	-4067	-224	-224
600	620	SLVml 2	4	26.7	1296	3130	-4067	-4072	-92	-92
620	640	SLVml 2	4	26.7	3130	3644	-4072	-4076	-26	-26
640	660	SLVml 2	4	26.7	3644	3273	-4076	-4080	19	19
660	680	SLVml 2	4	26.7	3273	1803	-4080	-4084	74	74
680	700	SLVml 2	4	26.7	1803	-2403	-4084	-4088	210	210
700	720	SLVml 2	4	26.7	-2403	-2712	-4088	-4093	15	15
720	740	SLVml 2	4	26.7	-2712	-1727	-4093	-4097	-49	-49
740	760	SLVml 2	4	26.7	-1727	-784	-4097	-4101	-47	-47
760	780	SLVml 2	4	26.7	-784	-200	-4101	-4105	-29	-29
780	800	SLVml 2	4	26.7	-200	16	-4105	-4109	-11	-11
800	820	SLVml 2	4	26.7	16	44	-4109	-4114	-1	-1
820	840	SLVml 2	4	26.7	44	22	-4114	-4118	1	1
840	860	SLVml 2	4	26.7	22	3	-4118	-4122	1	1
860	880	SLVml 2	4	26.7	3	-5	-4122	-4126	0	0
880	900	SLVml 2	4	26.7	-5	-7	-4126	-4130	0	0
900	920	SLVml 2	4	26.7	-7	-6	-4130	-4134	0	0
920	940	SLVml 2	4	26.7	-6	-5	-4134	-4139	0	0
940	960	SLVml 2	4	26.7	-5	-4	-4139	-4143	0	0
960	980	SLVml 2	4	26.7	-4	-2	-4143	-4147	0	0
980	1000	SLVml 2	4	26.7	-2	0	-4147	-4151	0	0
0	20	SLVml 3	4	26.7	0	0	-600	-604	0	0
20	40	SLVml 3	4	26.7	0	1	-604	-608	0	0
40	60	SLVml 3	4	26.7	1	1231	-696	-700	-62	-62
60	80	SLVml 3	4	26.7	1231	2463	-700	-705	-62	-62
80	100	SLVml 3	4	26.7	2463	3649	-705	-709	-59	-59
100	120	SLVml 3	4	26.7	3649	4493	-709	-713	-42	-42
120	140	SLVml 3	4	26.7	4493	4662	-713	-717	-8	-8
140	160	SLVml 3	4	26.7	4662	3823	-717	-721	42	42
160	180	SLVml 3	4	26.7	3823	1641	-721	-726	109	109
180	200	SLVml 3	4	26.7	1641	-2215	-726	-730	193	193
200	220	SLVml 3	4	26.7	-2215	-8080	-730	-734	293	293
220	240	SLVml 3	4	26.7	-8080	-15047	-734	-738	348	348
240	260	SLVml 3	4	26.7	-15047	-22010	-738	-742	348	348
260	280	SLVml 3	4	26.7	-22010	-27389	-742	-747	269	269
280	300	SLVml 3	4	26.7	-27389	-29662	-747	-751	114	114
300	320	SLVml 3	4	26.7	-29662	-28445	-751	-755	-61	-61
320	340	SLVml 3	4	26.7	-28445	-24715	-755	-759	-187	-187
340	360	SLVml 3	4	26.7	-24715	-20273	-759	-763	-222	-222
360	380	SLVml 3	4	26.7	-20273	-15297	-763	-767	-249	-249
380	400	SLVml 3	4	26.7	-15297	-10197	-767	-772	-255	-255
400	420	SLVml 3	4	26.7	-10197	-5704	-772	-776	-225	-225
420	440	SLVml 3	4	26.7	-5704	-2458	-776	-780	-162	-162
440	460	SLVml 3	4	26.7	-2458	-573	-780	-784	-94	-94
460	480	SLVml 3	4	26.7	-573	258	-784	-788	-42	-42
480	500	SLVml 3	4	26.7	258	444	-788	-793	-9	-9
500	520	SLVml 3	4	26.7	444	329	-793	-797	6	6
520	540	SLVml 3	4	26.7	329	150	-797	-801	9	9
540	560	SLVml 3	4	26.7	150	48	-801	-805	5	5
560	580	SLVml 3	4	26.7	48	112	-805	-809	-3	-3
580	600	SLVml 3	4	26.7	112	399	-809	-814	-14	-14
600	620	SLVml 3	4	26.7	399	917	-814	-818	-26	-26
620	640	SLVml 3	4	26.7	917	1542	-818	-822	-31	-31
640	660	SLVml 3	4	26.7	1542	1845	-822	-826	-15	-15
660	680	SLVml 3	4	26.7	1845	872	-826	-830	49	49
680	700	SLVml 3	4	26.7	872	-3030	-830	-835	195	195
700	720	SLVml 3	4	26.7	-3030	-2480	-835	-839	-27	-27
720	740	SLVml 3	4	26.7	-2480	-1076	-839	-843	-70	-70
740	760	SLVml 3	4	26.7	-1076	-235	-843	-847	-42	-42
760	780	SLVml 3	4	26.7	-235	51	-847	-851	-14	-14
780	800	SLVml 3	4	26.7	51	76	-851	-856	-1	-1
800	820	SLVml 3	4	26.7	76	37	-856	-860	2	2
820	840	SLVml 3	4	26.7	37	7	-860	-864	1	1
840	860	SLVml 3	4	26.7	7	-5	-864	-868	1	1
860	880	SLVml 3	4	26.7	-5	-6	-868	-872	0	0
880	900	SLVml 3	4	26.7	-6	-5	-872	-877	0	0
900	920	SLVml 3	4	26.7	-5	-4	-877	-881	0	0

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
920	940	SLVm1 3	4	26.7	-4	-3	-881	-885	0	0
940	960	SLVm1 3	4	26.7	-3	-3	-885	-889	0	0
960	980	SLVm1 3	4	26.7	-3	-1	-889	-893	0	0
980	1000	SLVm1 3	4	26.7	-1	0	-893	-898	0	0
0	20	SLVm1 4	4	26.7	0	0	-600	-604	0	0
20	40	SLVm1 4	4	26.7	0	1	-604	-608	0	0
40	60	SLVm1 4	4	26.7	1	1231	-696	-700	-62	-62
60	80	SLVm1 4	4	26.7	1231	2463	-700	-705	-62	-62
80	100	SLVm1 4	4	26.7	2463	3649	-705	-709	-59	-59
100	120	SLVm1 4	4	26.7	3649	4493	-709	-713	-42	-42
120	140	SLVm1 4	4	26.7	4493	4662	-713	-717	-8	-8
140	160	SLVm1 4	4	26.7	4662	3823	-717	-721	42	42
160	180	SLVm1 4	4	26.7	3823	1641	-721	-726	109	109
180	200	SLVm1 4	4	26.7	1641	-2215	-726	-730	193	193
200	220	SLVm1 4	4	26.7	-2215	-8080	-730	-734	293	293
220	240	SLVm1 4	4	26.7	-8080	-15047	-734	-738	348	348
240	260	SLVm1 4	4	26.7	-15047	-22010	-738	-742	348	348
260	280	SLVm1 4	4	26.7	-22010	-27389	-742	-747	269	269
280	300	SLVm1 4	4	26.7	-27389	-29662	-747	-751	114	114
300	320	SLVm1 4	4	26.7	-29662	-28445	-751	-755	-61	-61
320	340	SLVm1 4	4	26.7	-28445	-24715	-755	-759	-187	-187
340	360	SLVm1 4	4	26.7	-24715	-20273	-759	-763	-222	-222
360	380	SLVm1 4	4	26.7	-20273	-15297	-763	-767	-249	-249
380	400	SLVm1 4	4	26.7	-15297	-10197	-767	-772	-255	-255
400	420	SLVm1 4	4	26.7	-10197	-5704	-772	-776	-225	-225
420	440	SLVm1 4	4	26.7	-5704	-2458	-776	-780	-162	-162
440	460	SLVm1 4	4	26.7	-2458	-573	-780	-784	-94	-94
460	480	SLVm1 4	4	26.7	-573	258	-784	-788	-42	-42
480	500	SLVm1 4	4	26.7	258	444	-788	-793	-9	-9
500	520	SLVm1 4	4	26.7	444	329	-793	-797	6	6
520	540	SLVm1 4	4	26.7	329	150	-797	-801	9	9
540	560	SLVm1 4	4	26.7	150	48	-801	-805	5	5
560	580	SLVm1 4	4	26.7	48	112	-805	-809	-3	-3
580	600	SLVm1 4	4	26.7	112	399	-809	-814	-14	-14
600	620	SLVm1 4	4	26.7	399	917	-814	-818	-26	-26
620	640	SLVm1 4	4	26.7	917	1542	-818	-822	-31	-31
640	660	SLVm1 4	4	26.7	1542	1845	-822	-826	-15	-15
660	680	SLVm1 4	4	26.7	1845	872	-826	-830	49	49
680	700	SLVm1 4	4	26.7	872	-3030	-830	-835	195	195
700	720	SLVm1 4	4	26.7	-3030	-2480	-835	-839	-27	-27
720	740	SLVm1 4	4	26.7	-2480	-1076	-839	-843	-70	-70
740	760	SLVm1 4	4	26.7	-1076	-235	-843	-847	-42	-42
760	780	SLVm1 4	4	26.7	-235	51	-847	-851	-14	-14
780	800	SLVm1 4	4	26.7	51	76	-851	-856	-1	-1
800	820	SLVm1 4	4	26.7	76	37	-856	-860	2	2
820	840	SLVm1 4	4	26.7	37	7	-860	-864	1	1
840	860	SLVm1 4	4	26.7	7	-5	-864	-868	1	1
860	880	SLVm1 4	4	26.7	-5	-6	-868	-872	0	0
880	900	SLVm1 4	4	26.7	-6	-5	-872	-877	0	0
900	920	SLVm1 4	4	26.7	-5	-4	-877	-881	0	0
920	940	SLVm1 4	4	26.7	-4	-3	-881	-885	0	0
940	960	SLVm1 4	4	26.7	-3	-3	-885	-889	0	0
960	980	SLVm1 4	4	26.7	-3	-1	-889	-893	0	0
980	1000	SLVm1 4	4	26.7	-1	0	-893	-898	0	0
0	20	Chr G1	4	26.7	0	0	-600	-604	0	0
20	40	Chr G1	4	26.7	0	1	-604	-608	0	0
40	60	Chr G1	4	26.7	1	2	-608	-613	0	0
60	80	Chr G1	4	26.7	2	4	-613	-617	0	0
80	100	Chr G1	4	26.7	4	-40	-617	-621	2	2
100	120	Chr G1	4	26.7	-40	-426	-621	-625	19	19
120	140	Chr G1	4	26.7	-426	-1486	-625	-629	53	53
140	160	Chr G1	4	26.7	-1486	-3556	-629	-634	103	103
160	180	Chr G1	4	26.7	-3556	-6967	-634	-638	171	171
180	200	Chr G1	4	26.7	-6967	-12054	-638	-642	254	254
200	220	Chr G1	4	26.7	-12054	-19149	-642	-646	355	355
220	240	Chr G1	4	26.7	-19149	-25344	-646	-650	310	310
240	260	Chr G1	4	26.7	-25344	-29807	-650	-655	223	223
260	280	Chr G1	4	26.7	-29807	-31324	-655	-659	76	76
280	300	Chr G1	4	26.7	-31324	-29059	-659	-663	-113	-113
300	320	Chr G1	4	26.7	-29059	-24445	-663	-667	-231	-231
320	340	Chr G1	4	26.7	-24445	-18800	-667	-671	-282	-282
340	360	Chr G1	4	26.7	-18800	-13189	-671	-675	-281	-281
360	380	Chr G1	4	26.7	-13189	-8301	-675	-680	-244	-244
380	400	Chr G1	4	26.7	-8301	-4445	-680	-684	-193	-193
400	420	Chr G1	4	26.7	-4445	-1774	-684	-688	-134	-134
420	440	Chr G1	4	26.7	-1774	-278	-688	-692	-75	-75
440	460	Chr G1	4	26.7	-278	346	-692	-696	-31	-31
460	480	Chr G1	4	26.7	346	453	-696	-701	-5	-5
480	500	Chr G1	4	26.7	453	325	-701	-705	6	6
500	520	Chr G1	4	26.7	325	143	-705	-709	9	9
520	540	Chr G1	4	26.7	143	5	-709	-713	7	7
540	560	Chr G1	4	26.7	5	-40	-713	-717	2	2
560	580	Chr G1	4	26.7	-40	38	-717	-722	-4	-4
580	600	Chr G1	4	26.7	38	267	-722	-726	-11	-11
600	620	Chr G1	4	26.7	267	650	-726	-730	-19	-19
620	640	Chr G1	4	26.7	650	1100	-730	-734	-23	-23
640	660	Chr G1	4	26.7	1100	1317	-734	-738	-11	-11
660	680	Chr G1	4	26.7	1317	623	-738	-743	35	35
680	700	Chr G1	4	26.7	623	-2155	-743	-747	139	139
700	720	Chr G1	4	26.7	-2155	-1761	-747	-751	-20	-20
720	740	Chr G1	4	26.7	-1761	-762	-751	-755	-50	-50
740	760	Chr G1	4	26.7	-762	-165	-755	-759	-30	-30
760	780	Chr G1	4	26.7	-165	37	-759	-764	-10	-10
780	800	Chr G1	4	26.7	37	54	-764	-768	-1	-1
800	820	Chr G1	4	26.7	54	27	-768	-772	1	1
820	840	Chr G1	4	26.7	27	5	-772	-776	1	1
840	860	Chr G1	4	26.7	5	-3	-776	-780	0	0
860	880	Chr G1	4	26.7	-3	-4	-780	-785	0	0
880	900	Chr G1	4	26.7	-4	-3	-785	-789	0	0
900	920	Chr G1	4	26.7	-3	-3	-789	-793	0	0
920	940	Chr G1	4	26.7	-3	-2	-793	-797	0	0

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
940	960	Chr G1	4	26.7	-2	-2	-797	-801	0	0
960	980	Chr G1	4	26.7	-2	-1	-801	-806	0	0
980	1000	Chr G1	4	26.7	-1	0	-806	-810	0	0
0	20	Chr G1Q1	4	26.7	0	-498	-600	-604	25	25
20	40	Chr G1Q1	4	26.7	-498	-1983	-604	-608	74	74
40	60	Chr G1Q1	4	26.7	-1983	3050	-1143	-1148	-252	-252
60	80	Chr G1Q1	4	26.7	3050	7122	-1148	-1152	-204	-204
80	100	Chr G1Q1	4	26.7	7122	10199	-1152	-1156	-154	-154
100	120	Chr G1Q1	4	26.7	10199	11999	-1156	-1160	-90	-90
120	140	Chr G1Q1	4	26.7	11999	12199	-1160	-1164	-10	-10
140	160	Chr G1Q1	4	26.7	12199	10481	-1164	-1169	86	86
160	180	Chr G1Q1	4	26.7	10481	6522	-1169	-1173	198	198
180	200	Chr G1Q1	4	26.7	6522	1	-1173	-1177	326	326
200	220	Chr G1Q1	4	26.7	1	-9402	-1177	-1181	470	470
220	240	Chr G1Q1	4	26.7	-9402	-18764	-1181	-1185	468	468
240	260	Chr G1Q1	4	26.7	-18764	-27244	-1185	-1190	424	424
260	280	Chr G1Q1	4	26.7	-27244	-33613	-1190	-1194	318	318
280	300	Chr G1Q1	4	26.7	-33613	-36642	-1194	-1198	151	151
300	320	Chr G1Q1	4	26.7	-36642	-35103	-1198	-1202	-77	-77
320	340	Chr G1Q1	4	26.7	-35103	-29818	-1202	-1206	-264	-264
340	360	Chr G1Q1	4	26.7	-29818	-22867	-1206	-1210	-348	-348
360	380	Chr G1Q1	4	26.7	-22867	-15846	-1210	-1215	-351	-351
380	400	Chr G1Q1	4	26.7	-15846	-9764	-1215	-1219	-304	-304
400	420	Chr G1Q1	4	26.7	-9764	-5072	-1219	-1223	-235	-235
420	440	Chr G1Q1	4	26.7	-5072	-1903	-1223	-1227	-158	-158
440	460	Chr G1Q1	4	26.7	-1903	-188	-1227	-1231	-86	-86
460	480	Chr G1Q1	4	26.7	-188	483	-1231	-1236	-34	-34
480	500	Chr G1Q1	4	26.7	483	556	-1236	-1240	-4	-4
500	520	Chr G1Q1	4	26.7	556	379	-1240	-1244	9	9
520	540	Chr G1Q1	4	26.7	379	169	-1244	-1248	10	10
540	560	Chr G1Q1	4	26.7	169	46	-1248	-1252	6	6
560	580	Chr G1Q1	4	26.7	46	74	-1252	-1257	-1	-1
580	600	Chr G1Q1	4	26.7	74	288	-1257	-1261	-11	-11
600	620	Chr G1Q1	4	26.7	288	688	-1261	-1265	-20	-20
620	640	Chr G1Q1	4	26.7	688	1175	-1265	-1269	-24	-24
640	660	Chr G1Q1	4	26.7	1175	1423	-1269	-1273	-12	-12
660	680	Chr G1Q1	4	26.7	1423	703	-1273	-1278	36	36
680	700	Chr G1Q1	4	26.7	703	-2255	-1278	-1282	148	148
700	720	Chr G1Q1	4	26.7	-2255	-1963	-1282	-1286	-15	-15
720	740	Chr G1Q1	4	26.7	-1963	-880	-1286	-1290	-54	-54
740	760	Chr G1Q1	4	26.7	-880	-205	-1290	-1294	-34	-34
760	780	Chr G1Q1	4	26.7	-205	33	-1294	-1299	-12	-12
780	800	Chr G1Q1	4	26.7	33	59	-1299	-1303	-1	-1
800	820	Chr G1Q1	4	26.7	59	30	-1303	-1307	1	1
820	840	Chr G1Q1	4	26.7	30	6	-1307	-1311	1	1
840	860	Chr G1Q1	4	26.7	6	-3	-1311	-1315	0	0
860	880	Chr G1Q1	4	26.7	-3	-5	-1315	-1320	0	0
880	900	Chr G1Q1	4	26.7	-5	-4	-1320	-1324	0	0
900	920	Chr G1Q1	4	26.7	-4	-3	-1324	-1328	0	0
920	940	Chr G1Q1	4	26.7	-3	-3	-1328	-1332	0	0
940	960	Chr G1Q1	4	26.7	-3	-2	-1332	-1336	0	0
960	980	Chr G1Q1	4	26.7	-2	-1	-1336	-1341	0	0
980	1000	Chr G1Q1	4	26.7	-1	0	-1341	-1345	0	0
0	20	Chr G1SisP	4	26.7	0	-2150	-600	-604	107	107
20	40	Chr G1SisP	4	26.7	-2150	-8592	-604	-608	322	322
40	60	Chr G1SisP	4	26.7	-8592	22980	-3629	-3633	-1579	-1579
60	80	Chr G1SisP	4	26.7	22980	50275	-3633	-3637	-1365	-1365
80	100	Chr G1SisP	4	26.7	50275	73254	-3637	-3642	-1149	-1149
100	120	Chr G1SisP	4	26.7	73254	91629	-3642	-3646	-919	-919
120	140	Chr G1SisP	4	26.7	91629	105076	-3646	-3650	-672	-672
140	160	Chr G1SisP	4	26.7	105076	113268	-3650	-3654	-410	-410
160	180	Chr G1SisP	4	26.7	113268	115880	-3654	-3658	-131	-131
180	200	Chr G1SisP	4	26.7	115880	112586	-3658	-3662	165	165
200	220	Chr G1SisP	4	26.7	112586	103061	-3662	-3667	476	476
220	240	Chr G1SisP	4	26.7	103061	89773	-3667	-3671	664	664
240	260	Chr G1SisP	4	26.7	89773	73284	-3671	-3675	824	824
260	280	Chr G1SisP	4	26.7	73284	54453	-3675	-3679	942	942
280	300	Chr G1SisP	4	26.7	54453	34139	-3679	-3683	1016	1016
300	320	Chr G1SisP	4	26.7	34139	13200	-3683	-3688	1047	1047
320	340	Chr G1SisP	4	26.7	13200	-7507	-3688	-3692	1035	1035
340	360	Chr G1SisP	4	26.7	-7507	-27122	-3692	-3696	981	981
360	380	Chr G1SisP	4	26.7	-27122	-44789	-3696	-3700	883	883
380	400	Chr G1SisP	4	26.7	-44789	-59650	-3700	-3704	743	743
400	420	Chr G1SisP	4	26.7	-59650	-70847	-3704	-3709	560	560
420	440	Chr G1SisP	4	26.7	-70847	-77522	-3709	-3713	334	334
440	460	Chr G1SisP	4	26.7	-77522	-78819	-3713	-3717	65	65
460	480	Chr G1SisP	4	26.7	-78819	-73879	-3717	-3721	-247	-247
480	500	Chr G1SisP	4	26.7	-73879	-61846	-3721	-3725	-602	-602
500	520	Chr G1SisP	4	26.7	-61846	-44012	-3725	-3730	-892	-892
520	540	Chr G1SisP	4	26.7	-44012	-26398	-3730	-3734	-881	-881
540	560	Chr G1SisP	4	26.7	-26398	-12127	-3734	-3738	-714	-714
560	580	Chr G1SisP	4	26.7	-12127	-3204	-3738	-3742	-446	-446
580	600	Chr G1SisP	4	26.7	-3204	1284	-3742	-3746	-224	-224
600	620	Chr G1SisP	4	26.7	1284	3107	-3746	-3751	-91	-91
620	640	Chr G1SisP	4	26.7	3107	3599	-3751	-3755	-25	-25
640	660	Chr G1SisP	4	26.7	3599	3209	-3755	-3759	19	19
660	680	Chr G1SisP	4	26.7	3209	1755	-3759	-3763	73	73
680	700	Chr G1SisP	4	26.7	1755	-2343	-3763	-3767	205	205
700	720	Chr G1SisP	4	26.7	-2343	-2591	-3767	-3772	12	12
720	740	Chr G1SisP	4	26.7	-2591	-1657	-3772	-3776	-47	-47
740	760	Chr G1SisP	4	26.7	-1657	-760	-3776	-3780	-45	-45
760	780	Chr G1SisP	4	26.7	-760	-198	-3780	-3784	-28	-28
780	800	Chr G1SisP	4	26.7	-198	13	-3784	-3788	-11	-11
800	820	Chr G1SisP	4	26.7	13	42	-3788	-3793	-1	-1
820	840	Chr G1SisP	4	26.7	42	22	-3793	-3797	1	1
840	860	Chr G1SisP	4	26.7	22	3	-3797	-3801	1	1
860	880	Chr G1SisP	4	26.7	3	-5	-3801	-3805	0	0
880	900	Chr G1SisP	4	26.7	-5	-6	-3805	-3809	0	0
900	920	Chr G1SisP	4	26.7	-6	-6	-3809	-3813	0	0
920	940	Chr G1SisP	4	26.7	-6	-5	-3813	-3818	0	0
940	960	Chr G1SisP	4	26.7	-5	-4	-3818	-3822	0	0

Zini	Zfin	Cmb	Stg	A	Myi	Myf	Ni	Nf	Ti	Tf
960	980	Chr G1SisP	4	26.7	-4	-2	-3822	-3826	0	0
980	1000	Chr G1SisP	4	26.7	-2	0	-3826	-3830	0	0
0	20	Chr G1SisM	4	26.7	0	-299	-600	-604	15	15
20	40	Chr G1SisM	4	26.7	-299	-1190	-604	-608	45	45
40	60	Chr G1SisM	4	26.7	-1190	601	-842	-846	-90	-90
60	80	Chr G1SisM	4	26.7	601	1815	-846	-850	-61	-61
80	100	Chr G1SisM	4	26.7	1815	2415	-850	-854	-30	-30
100	120	Chr G1SisM	4	26.7	2415	2110	-854	-858	15	15
120	140	Chr G1SisM	4	26.7	2110	577	-858	-863	77	77
140	160	Chr G1SisM	4	26.7	577	-2512	-863	-867	154	154
160	180	Chr G1SisM	4	26.7	-2512	-7482	-867	-871	248	248
180	200	Chr G1SisM	4	26.7	-7482	-14659	-871	-875	359	359
200	220	Chr G1SisM	4	26.7	-14659	-24369	-875	-879	486	486
220	240	Chr G1SisM	4	26.7	-24369	-31693	-879	-884	366	366
240	260	Chr G1SisM	4	26.7	-31693	-36066	-884	-888	219	219
260	280	Chr G1SisM	4	26.7	-36066	-36633	-888	-892	28	28
280	300	Chr G1SisM	4	26.7	-36633	-33006	-892	-896	-181	-181
300	320	Chr G1SisM	4	26.7	-33006	-26840	-896	-900	-308	-308
320	340	Chr G1SisM	4	26.7	-26840	-19497	-900	-905	-367	-367
340	360	Chr G1SisM	4	26.7	-19497	-11911	-905	-909	-379	-379
360	380	Chr G1SisM	4	26.7	-11911	-5833	-909	-913	-304	-304
380	400	Chr G1SisM	4	26.7	-5833	-1884	-913	-917	-197	-197
400	420	Chr G1SisM	4	26.7	-1884	177	-917	-921	-103	-103
420	440	Chr G1SisM	4	26.7	177	926	-921	-925	-37	-37
440	460	Chr G1SisM	4	26.7	926	945	-925	-930	-1	-1
460	480	Chr G1SisM	4	26.7	945	665	-930	-934	14	14
480	500	Chr G1SisM	4	26.7	665	344	-934	-938	16	16
500	520	Chr G1SisM	4	26.7	344	98	-938	-942	12	12
520	540	Chr G1SisM	4	26.7	98	-41	-942	-946	7	7
540	560	Chr G1SisM	4	26.7	-41	-77	-946	-951	2	2
560	580	Chr G1SisM	4	26.7	-77	-15	-951	-955	-3	-3
580	600	Chr G1SisM	4	26.7	-15	147	-955	-959	-8	-8
600	620	Chr G1SisM	4	26.7	147	405	-959	-963	-13	-13
620	640	Chr G1SisM	4	26.7	405	704	-963	-967	-15	-15
640	660	Chr G1SisM	4	26.7	704	853	-967	-972	-7	-7
660	680	Chr G1SisM	4	26.7	853	422	-972	-976	22	22
680	700	Chr G1SisM	4	26.7	422	-1340	-976	-980	88	88
700	720	Chr G1SisM	4	26.7	-1340	-1162	-980	-984	-9	-9
720	740	Chr G1SisM	4	26.7	-1162	-520	-984	-988	-32	-32
740	760	Chr G1SisM	4	26.7	-520	-120	-988	-993	-20	-20
760	780	Chr G1SisM	4	26.7	-120	21	-993	-997	-7	-7
780	800	Chr G1SisM	4	26.7	21	36	-997	-1001	-1	-1
800	820	Chr G1SisM	4	26.7	36	18	-1001	-1005	1	1
820	840	Chr G1SisM	4	26.7	18	4	-1005	-1009	1	1
840	860	Chr G1SisM	4	26.7	4	-1	-1009	-1014	0	0
860	880	Chr G1SisM	4	26.7	-1	-2	-1014	-1018	0	0
880	900	Chr G1SisM	4	26.7	-2	-2	-1018	-1022	0	0
900	920	Chr G1SisM	4	26.7	-2	-1	-1022	-1026	0	0
920	940	Chr G1SisM	4	26.7	-1	-1	-1026	-1030	0	0
940	960	Chr G1SisM	4	26.7	-1	-1	-1030	-1035	0	0
960	980	Chr G1SisM	4	26.7	-1	-1	-1035	-1039	0	0
980	1000	Chr G1SisM	4	26.7	-1	0	-1039	-1043	0	0

Significato dei simboli utilizzati:

- Zini*: quota del nodo iniziale. [cm]
Zfin: quota del nodo finale. [cm]
Cmb: combinazione di calcolo.
Stg: fase di calcolo.
A: area dell'asta. [cm²]
Myi: momento flettente attorno all'asse y nel nodo iniziale. [daN*cm]
Myf: momento flettente attorno all'asse y nel nodo finale. [daN*cm]
Ni: sforzo normale nel nodo iniziale. [daN]
Nf: sforzo normale nel nodo finale. [daN]
Ti: taglio nel nodo iniziale. [daN]
Tf: taglio nel nodo finale. [daN]

Verifiche geotecniche di stabilità globale dell'opera

Parametri utilizzati nella verifica di stabilità globale dell'opera

Metodo di calcolo di stabilità pendio: Bishop
Coefficiente di sicurezza ritenuto ammissibile (gammaR): 1.3
Passo dei conci: 100
Resistenza al taglio della paratia: 5
Estensione massima studiata a sx: 10000
Estensione massima studiata a dx: 10000
Estensione massima studiata in profondità: 10000
Esegui il calcolo contestualmente alla risoluzione: True

Verifiche geotecniche di stabilità globale dell'opera

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 1	4	34	-133.3	266.7	485.3	269.8	25	57	2.15	ok
GEO 1	3	34	-133.3	266.7	485.3	269.8	25	57	2.15	ok
GEO 1	4	35	-133.3	355.6	571.3	322.9	19	52	2.18	ok
GEO 1	3	35	-133.3	355.6	571.3	322.9	19	52	2.18	ok
GEO 1	4	36	-133.3	444.4	658.1	367.7	16	48	2.23	ok
GEO 1	3	36	-133.3	444.4	658.1	367.7	16	48	2.23	ok
GEO 1	4	33	-133.3	177.8	690.8	1566.4	-55	75	2.26	ok
GEO 1	3	33	-133.3	177.8	690.8	1566.4	-55	75	2.26	ok
GEO 1	4	37	-133.3	533.3	745.4	407.1	13	44	2.28	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 1	3	37	-133.3	533.3	745.4	407.1	13	44	2.28	ok
GEO 1	4	32	-133.3	88.9	603.8	1483.4	-59	82	2.3	ok
GEO 1	3	32	-133.3	88.9	603.8	1483.4	-59	82	2.3	ok
GEO 1	3	24	-222.2	266.7	798.2	1712.4	-52	70	2.31	ok
GEO 1	4	24	-222.2	266.7	798.2	1712.4	-52	70	2.31	ok
GEO 1	3	25	-222.2	355.6	883.9	1784.3	-49	66	2.31	ok
GEO 1	4	25	-222.2	355.6	883.9	1784.3	-49	66	2.31	ok
GEO 1	3	23	-222.2	177.8	713.3	1639.2	-56	76	2.32	ok
GEO 1	4	23	-222.2	177.8	713.3	1639.2	-56	76	2.32	ok
GEO 1	3	26	-222.2	444.4	970.2	1854.5	-47	63	2.33	ok
GEO 1	4	26	-222.2	444.4	970.2	1854.5	-47	63	2.33	ok
GEO 1	3	38	-133.3	622.2	833	442.8	11	42	2.33	ok
GEO 1	4	38	-133.3	622.2	833	442.8	11	42	2.33	ok
GEO 1	4	44	-44.4	266.7	768	1613.2	-51	70	2.34	ok
GEO 1	3	44	-44.4	266.7	768	1613.2	-51	70	2.34	ok
GEO 1	4	43	-44.4	177.8	679.2	1529	-54	75	2.35	ok
GEO 1	3	43	-44.4	177.8	679.2	1529	-54	75	2.35	ok
GEO 1	3	27	-222.2	533.3	1057	1922.9	-45	60	2.36	ok
GEO 1	4	27	-222.2	533.3	1057	1922.9	-45	60	2.36	ok
GEO 1	3	45	-44.4	355.6	856.7	1693.7	-48	65	2.36	ok
GEO 1	4	45	-44.4	355.6	856.7	1693.7	-48	65	2.36	ok
GEO 1	3	42	-44.4	88.9	590.6	1441	-58	81	2.37	ok
GEO 1	4	42	-44.4	88.9	590.6	1441	-58	81	2.37	ok
GEO 1	3	28	-222.2	622.2	1144	1989.5	-43	57	2.39	ok
GEO 1	4	28	-222.2	622.2	1144	1989.5	-43	57	2.39	ok
GEO 1	3	46	-44.4	444.4	945.5	1770.9	-45	62	2.39	ok
GEO 1	4	46	-44.4	444.4	945.5	1770.9	-45	62	2.39	ok
GEO 1	3	39	-133.3	711.1	920.8	475.8	10	39	2.39	ok
GEO 1	4	39	-133.3	711.1	920.8	475.8	10	39	2.39	ok
GEO 1	4	22	-222.2	88.9	629.4	1565.3	-61	82	2.4	ok
GEO 1	3	22	-222.2	88.9	629.4	1565.3	-61	82	2.4	ok
GEO 1	4	47	-44.4	533.3	1034.3	1845.1	-43	59	2.42	ok
GEO 1	3	47	-44.4	533.3	1034.3	1845.1	-43	59	2.42	ok
GEO 1	4	29	-222.2	711.1	1231.3	2054.4	-41	55	2.42	ok
GEO 1	3	29	-222.2	711.1	1231.3	2054.4	-41	55	2.42	ok
GEO 1	3	16	-311.1	444.4	994.4	1935.5	-48	63	2.43	ok
GEO 1	4	16	-311.1	444.4	994.4	1935.5	-48	63	2.43	ok
GEO 1	4	15	-311.1	355.6	910.4	1871.6	-51	67	2.43	ok
GEO 1	3	15	-311.1	355.6	910.4	1871.6	-51	67	2.43	ok
GEO 1	3	17	-311.1	533.3	1079.2	1998.5	-46	60	2.44	ok
GEO 1	4	17	-311.1	533.3	1079.2	1998.5	-46	60	2.44	ok
GEO 1	4	40	-133.3	800	1008.8	506.6	9	38	2.45	ok
GEO 1	3	40	-133.3	800	1008.8	506.6	9	38	2.45	ok
GEO 1	4	14	-311.1	266.7	827.4	1807.5	-54	71	2.45	ok
GEO 1	3	14	-311.1	266.7	827.4	1807.5	-54	71	2.45	ok
GEO 1	4	18	-311.1	622.2	1164.5	2060.6	-44	58	2.45	ok
GEO 1	3	18	-311.1	622.2	1164.5	2060.6	-44	58	2.45	ok
SLVml 2	4	36	-133.3	444.4	953.8	1799.1	-46	62	2.46	ok
SLVml 1	4	36	-133.3	444.4	953.8	1799.1	-46	62	2.46	ok
SLVml 2	4	37	-133.3	533.3	1041.9	1871.3	-44	59	2.46	ok
SLVml 1	4	37	-133.3	533.3	1041.9	1871.3	-44	59	2.46	ok
GEO 1	3	48	-44.4	622.2	1123.1	1916.6	-41	56	2.46	ok
GEO 1	4	48	-44.4	622.2	1123.1	1916.6	-41	56	2.46	ok
GEO 1	3	30	-222.2	800	1318.9	2117.6	-39	53	2.46	ok
GEO 1	4	30	-222.2	800	1318.9	2117.6	-39	53	2.46	ok
SLVml 1	4	35	-133.3	355.6	865.9	1724.3	-48	66	2.46	ok
SLVml 2	4	35	-133.3	355.6	865.9	1724.3	-48	66	2.46	ok
SLVml 2	4	27	-222.2	533.3	1057	1922.9	-45	60	2.46	ok
SLVml 1	4	27	-222.2	533.3	1057	1922.9	-45	60	2.46	ok
SLVml 2	4	38	-133.3	622.2	1130.1	1941.1	-42	57	2.46	ok
SLVml 1	4	38	-133.3	622.2	1130.1	1941.1	-42	57	2.46	ok
SLVml 1	4	28	-222.2	622.2	1144	1989.5	-43	57	2.47	ok
SLVml 2	4	28	-222.2	622.2	1144	1989.5	-43	57	2.47	ok
SLVml 1	4	26	-222.2	444.4	970.2	1854.5	-47	63	2.47	ok
SLVml 2	4	26	-222.2	444.4	970.2	1854.5	-47	63	2.47	ok
SLVml 1	4	29	-222.2	711.1	1231.3	2054.4	-41	55	2.47	ok
SLVml 2	4	29	-222.2	711.1	1231.3	2054.4	-41	55	2.47	ok
SLVml 1	4	39	-133.3	711.1	1218.4	2008.7	-40	54	2.47	ok
SLVml 2	4	39	-133.3	711.1	1218.4	2008.7	-40	54	2.47	ok
GEO 1	4	19	-311.1	711.1	1250.4	2121.6	-42	55	2.48	ok
GEO 1	3	19	-311.1	711.1	1250.4	2121.6	-42	55	2.48	ok
SLVml 1	4	25	-222.2	355.6	883.9	1784.3	-49	66	2.48	ok
SLVml 2	4	25	-222.2	355.6	883.9	1784.3	-49	66	2.48	ok
SLVml 1	4	34	-133.3	266.7	778.2	1646.8	-51	70	2.48	ok
SLVml 2	4	34	-133.3	266.7	778.2	1646.8	-51	70	2.48	ok
SLVml 1	4	30	-222.2	800	1318.9	2117.6	-39	53	2.48	ok
SLVml 2	4	30	-222.2	800	1318.9	2117.6	-39	53	2.48	ok
SLVml 1	4	40	-133.3	800	1306.8	2074.3	-39	52	2.49	ok
SLVml 2	4	40	-133.3	800	1306.8	2074.3	-39	52	2.49	ok
GEO 1	3	49	-44.4	711.1	1211.9	1985.6	-40	54	2.5	ok
GEO 1	4	49	-44.4	711.1	1211.9	1985.6	-40	54	2.5	ok
GEO 1	4	21	-222.2	0	547.2	1492.5	-66	-270	2.51	ok
GEO 1	3	21	-222.2	0	547.2	1492.5	-66	-270	2.51	ok
GEO 1	4	20	-311.1	800	1336.7	2181.4	-40	53	2.51	ok
GEO 1	3	20	-311.1	800	1336.7	2181.4	-40	53	2.51	ok
SLVml 1	4	47	-44.4	533.3	1034.3	1845.1	-43	59	2.51	ok
SLVml 2	4	47	-44.4	533.3	1034.3	1845.1	-43	59	2.51	ok
SLVml 1	4	46	-44.4	444.4	945.5	1770.9	-45	62	2.51	ok
SLVml 2	4	46	-44.4	444.4	945.5	1770.9	-45	62	2.51	ok
SLVml 1	4	24	-222.2	266.7	798.2	1712.4	-52	70	2.51	ok
SLVml 2	4	24	-222.2	266.7	798.2	1712.4	-52	70	2.51	ok
SLVml 1	4	48	-44.4	622.2	1123.1	1916.6	-41	56	2.52	ok
SLVml 2	4	48	-44.4	622.2	1123.1	1916.6	-41	56	2.52	ok
SLVml 1	4	33	-133.3	177.8	690.8	1566.4	-55	75	2.52	ok
SLVml 2	4	33	-133.3	177.8	690.8	1566.4	-55	75	2.52	ok
SLVml 2	4	45	-44.4	355.6	856.7	1693.7	-48	65	2.52	ok
SLVml 1	4	45	-44.4	355.6	856.7	1693.7	-48	65	2.52	ok
GEO 1	4	13	-311.1	177.8	745.8	1743.8	-58	76	2.52	ok
GEO 1	3	13	-311.1	177.8	745.8	1743.8	-58	76	2.52	ok
SLVml 2	4	19	-311.1	711.1	1250.4	2121.6	-42	55	2.52	ok
SLVml 1	4	19	-311.1	711.1	1250.4	2121.6	-42	55	2.52	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
SLVml 2	4	18	-311.1	622.2	1164.5	2060.6	-44	58	2.52	ok
SLVml 1	4	18	-311.1	622.2	1164.5	2060.6	-44	58	2.52	ok
SLVml 1	4	20	-311.1	800	1336.7	2181.4	-40	53	2.52	ok
SLVml 2	4	20	-311.1	800	1336.7	2181.4	-40	53	2.52	ok
SLVml 1	4	49	-44.4	711.1	1211.9	1985.6	-40	54	2.52	ok
SLVml 2	4	49	-44.4	711.1	1211.9	1985.6	-40	54	2.52	ok
SLVml 1	4	17	-311.1	533.3	1079.2	1998.5	-46	60	2.53	ok
SLVml 2	4	17	-311.1	533.3	1079.2	1998.5	-46	60	2.53	ok
SLVml 1	4	50	-44.4	800	1300.8	2052.4	-38	52	2.54	ok
SLVml 2	4	50	-44.4	800	1300.8	2052.4	-38	52	2.54	ok
GEO 1	4	50	-44.4	800	1300.8	2052.4	-38	52	2.54	ok
GEO 1	3	50	-44.4	800	1300.8	2052.4	-38	52	2.54	ok
GEO 1	4	54	44.4	266.7	768	1613.2	-51	70	2.54	ok
GEO 1	3	54	44.4	266.7	768	1613.2	-51	70	2.54	ok
GEO 1	4	55	44.4	355.6	856.7	1693.7	-48	65	2.54	ok
GEO 1	3	55	44.4	355.6	856.7	1693.7	-48	65	2.54	ok
SLVml 2	4	44	-44.4	266.7	768	1613.2	-51	70	2.54	ok
SLVml 1	4	44	-44.4	266.7	768	1613.2	-51	70	2.54	ok
SLVml 2	4	16	-311.1	444.4	994.4	1935.5	-48	63	2.55	ok
SLVml 1	4	16	-311.1	444.4	994.4	1935.5	-48	63	2.55	ok
GEO 1	3	56	44.4	444.4	945.5	1770.9	-45	62	2.55	ok
GEO 1	4	56	44.4	444.4	945.5	1770.9	-45	62	2.55	ok
SLVml 2	4	23	-222.2	177.8	713.3	1639.2	-56	76	2.56	ok
SLVml 1	4	23	-222.2	177.8	713.3	1639.2	-56	76	2.56	ok
GEO 1	3	57	44.4	533.3	1034.3	1845.1	-43	59	2.58	ok
GEO 1	4	57	44.4	533.3	1034.3	1845.1	-43	59	2.58	ok
GEO 1	3	53	44.4	177.8	679.2	1529	-54	75	2.58	ok
GEO 1	4	53	44.4	177.8	679.2	1529	-54	75	2.58	ok
SLVml 1	4	15	-311.1	355.6	910.4	1871.6	-51	67	2.58	ok
SLVml 2	4	15	-311.1	355.6	910.4	1871.6	-51	67	2.58	ok
GEO 1	3	7	-400	533.3	1108.1	2096.3	-47	61	2.59	ok
GEO 1	4	7	-400	533.3	1108.1	2096.3	-47	61	2.59	ok
SLVml 2	4	32	-133.3	88.9	603.8	1483.4	-59	82	2.59	ok
SLVml 1	4	32	-133.3	88.9	603.8	1483.4	-59	82	2.59	ok
GEO 1	4	8	-400	622.2	1191.4	2152.7	-45	59	2.59	ok
GEO 1	3	8	-400	622.2	1191.4	2152.7	-45	59	2.59	ok
SLVml 2	4	43	-44.4	177.8	679.2	1529	-54	75	2.6	ok
SLVml 1	4	43	-44.4	177.8	679.2	1529	-54	75	2.6	ok
GEO 1	3	9	-400	711.1	1275.5	2208.9	-43	56	2.6	ok
GEO 1	4	9	-400	711.1	1275.5	2208.9	-43	56	2.6	ok
SLVml 2	4	10	-400	800	1360.1	2264.5	-41	54	2.6	ok
SLVml 1	4	10	-400	800	1360.1	2264.5	-41	54	2.6	ok
GEO 1	3	58	44.4	622.2	1123.1	1916.6	-41	56	2.61	ok
GEO 1	4	58	44.4	622.2	1123.1	1916.6	-41	56	2.61	ok
GEO 1	4	6	-400	444.4	1025.7	2039.7	-50	64	2.61	ok
GEO 1	3	6	-400	444.4	1025.7	2039.7	-50	64	2.61	ok
GEO 1	4	12	-311.1	88.9	666	1682	-62	82	2.61	ok
GEO 1	3	12	-311.1	88.9	666	1682	-62	82	2.61	ok
SLVml 2	4	9	-400	711.1	1275.5	2208.9	-43	56	2.61	ok
SLVml 1	4	9	-400	711.1	1275.5	2208.9	-43	56	2.61	ok
GEO 1	3	10	-400	800	1360.1	2264.5	-41	54	2.62	ok
GEO 1	4	10	-400	800	1360.1	2264.5	-41	54	2.62	ok
SLVml 1	4	58	44.4	622.2	1123.1	1916.6	-41	56	2.62	ok
SLVml 2	4	58	44.4	622.2	1123.1	1916.6	-41	56	2.62	ok
SLVml 1	4	59	44.4	711.1	1211.9	1985.6	-40	54	2.62	ok
SLVml 2	4	59	44.4	711.1	1211.9	1985.6	-40	54	2.62	ok
SLVml 1	4	8	-400	622.2	1191.4	2152.7	-45	59	2.63	ok
SLVml 2	4	8	-400	622.2	1191.4	2152.7	-45	59	2.63	ok
SLVml 1	4	60	44.4	800	1300.8	2052.4	-38	52	2.63	ok
SLVml 2	4	60	44.4	800	1300.8	2052.4	-38	52	2.63	ok
SLVml 1	4	57	44.4	533.3	1034.3	1845.1	-43	59	2.63	ok
SLVml 2	4	57	44.4	533.3	1034.3	1845.1	-43	59	2.63	ok
GEO 1	3	41	-44.4	0	502	1349.3	-64	-270	2.63	ok
GEO 1	4	41	-44.4	0	502	1349.3	-64	-270	2.63	ok
SLVml 1	4	14	-311.1	266.7	827.4	1807.5	-54	71	2.63	ok
SLVml 2	4	14	-311.1	266.7	827.4	1807.5	-54	71	2.63	ok
GEO 1	4	59	44.4	711.1	1211.9	1985.6	-40	54	2.64	ok
GEO 1	3	59	44.4	711.1	1211.9	1985.6	-40	54	2.64	ok
SLVml 2	4	56	44.4	444.4	945.5	1770.9	-45	62	2.64	ok
SLVml 1	4	56	44.4	444.4	945.5	1770.9	-45	62	2.64	ok
GEO 1	4	5	-400	355.6	944.4	1983.6	-52	68	2.64	ok
GEO 1	3	5	-400	355.6	944.4	1983.6	-52	68	2.64	ok
GEO 1	4	52	44.4	88.9	590.6	1441	-58	81	2.64	ok
GEO 1	3	52	44.4	88.9	590.6	1441	-58	81	2.64	ok
SLVml 2	4	7	-400	533.3	1108.1	2096.3	-47	61	2.65	ok
SLVml 1	4	7	-400	533.3	1108.1	2096.3	-47	61	2.65	ok
SLVml 2	4	42	-44.4	88.9	590.6	1441	-58	81	2.67	ok
SLVml 1	4	42	-44.4	88.9	590.6	1441	-58	81	2.67	ok
SLVml 1	4	55	44.4	355.6	856.7	1693.7	-48	65	2.67	ok
SLVml 2	4	55	44.4	355.6	856.7	1693.7	-48	65	2.67	ok
GEO 1	4	60	44.4	800	1300.8	2052.4	-38	52	2.67	ok
GEO 1	3	60	44.4	800	1300.8	2052.4	-38	52	2.67	ok
SLVml 1	4	6	-400	444.4	1025.7	2039.7	-50	64	2.69	ok
SLVml 2	4	6	-400	444.4	1025.7	2039.7	-50	64	2.69	ok
SLVml 2	4	22	-222.2	88.9	629.4	1565.3	-61	82	2.69	ok
SLVml 1	4	22	-222.2	88.9	629.4	1565.3	-61	82	2.69	ok
GEO 1	4	4	-400	266.7	864.7	1928.7	-56	72	2.71	ok
GEO 1	3	4	-400	266.7	864.7	1928.7	-56	72	2.71	ok
SLVml 1	4	54	44.4	266.7	768	1613.2	-51	70	2.71	ok
SLVml 2	4	54	44.4	266.7	768	1613.2	-51	70	2.71	ok
SLVml 2	4	13	-311.1	177.8	745.8	1743.8	-58	76	2.73	ok
SLVml 1	4	13	-311.1	177.8	745.8	1743.8	-58	76	2.73	ok
SLVml 2	4	5	-400	355.6	944.4	1983.6	-52	68	2.75	ok
SLVml 1	4	5	-400	355.6	944.4	1983.6	-52	68	2.75	ok
GEO 1	3	31	-133.3	0	517.5	1398.5	-65	-270	2.75	ok
GEO 1	4	31	-133.3	0	517.5	1398.5	-65	-270	2.75	ok
SLVml 1	4	70	133.3	800	1306.8	2074.3	-39	52	2.76	ok
SLVml 2	4	70	133.3	800	1306.8	2074.3	-39	52	2.76	ok
SLVml 2	4	69	133.3	711.1	1218.4	2008.7	-40	54	2.77	ok
SLVml 1	4	69	133.3	711.1	1218.4	2008.7	-40	54	2.77	ok
SLVml 2	4	68	133.3	622.2	1130.1	1941.1	-42	57	2.79	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
SLVml 1	4	68	133.3	622.2	1130.1	1941.1	-42	57	2.79	ok
SLVml 2	4	53	44.4	177.8	679.2	1529	-54	75	2.8	ok
SLVml 1	4	53	44.4	177.8	679.2	1529	-54	75	2.8	ok
GEO 2	3	33	-133.3	177.8	690.8	1566.4	-55	75	2.81	ok
GEO 2	2	33	-133.3	177.8	690.8	1566.4	-55	75	2.81	ok
GEO 1	2	33	-133.3	177.8	690.8	1566.4	-55	75	2.81	ok
GEO 1	1	33	-133.3	177.8	690.8	1566.4	-55	75	2.81	ok
GEO 2	1	33	-133.3	177.8	690.8	1566.4	-55	75	2.81	ok
GEO 2	4	33	-133.3	177.8	690.8	1566.4	-55	75	2.81	ok
SLVml 1	4	67	133.3	533.3	1041.9	1871.3	-44	59	2.81	ok
SLVml 2	4	67	133.3	533.3	1041.9	1871.3	-44	59	2.81	ok
GEO 1	4	3	-400	177.8	787	1876.1	-60	77	2.82	ok
GEO 1	3	3	-400	177.8	787	1876.1	-60	77	2.82	ok
GEO 1	1	32	-133.3	88.9	603.8	1483.4	-59	82	2.83	ok
GEO 2	2	32	-133.3	88.9	603.8	1483.4	-59	82	2.83	ok
GEO 2	3	32	-133.3	88.9	603.8	1483.4	-59	82	2.83	ok
GEO 2	4	32	-133.3	88.9	603.8	1483.4	-59	82	2.83	ok
GEO 1	2	32	-133.3	88.9	603.8	1483.4	-59	82	2.83	ok
GEO 2	1	32	-133.3	88.9	603.8	1483.4	-59	82	2.83	ok
GEO 1	3	67	133.3	533.3	1041.9	1871.3	-44	59	2.83	ok
GEO 1	4	67	133.3	533.3	1041.9	1871.3	-44	59	2.83	ok
GEO 1	4	66	133.3	444.4	953.8	1799.1	-46	62	2.83	ok
GEO 1	3	66	133.3	444.4	953.8	1799.1	-46	62	2.83	ok
SLVml 1	4	21	-222.2	0	547.2	1492.5	-66	-270	2.83	ok
SLVml 2	4	21	-222.2	0	547.2	1492.5	-66	-270	2.83	ok
SLVml 2	4	4	-400	266.7	864.7	1928.7	-56	72	2.83	ok
SLVml 1	4	4	-400	266.7	864.7	1928.7	-56	72	2.83	ok
GEO 2	3	34	-133.3	266.7	778.2	1646.8	-51	70	2.84	ok
GEO 2	2	34	-133.3	266.7	778.2	1646.8	-51	70	2.84	ok
GEO 1	2	34	-133.3	266.7	778.2	1646.8	-51	70	2.84	ok
GEO 2	4	34	-133.3	266.7	778.2	1646.8	-51	70	2.84	ok
GEO 1	1	34	-133.3	266.7	778.2	1646.8	-51	70	2.84	ok
GEO 2	1	34	-133.3	266.7	778.2	1646.8	-51	70	2.84	ok
GEO 1	3	68	133.3	622.2	1130.1	1941.1	-42	57	2.84	ok
GEO 1	4	68	133.3	622.2	1130.1	1941.1	-42	57	2.84	ok
GEO 1	4	65	133.3	355.6	865.9	1724.3	-48	66	2.85	ok
GEO 1	3	65	133.3	355.6	865.9	1724.3	-48	66	2.85	ok
SLVml 1	4	66	133.3	444.4	953.8	1799.1	-46	62	2.85	ok
SLVml 2	4	66	133.3	444.4	953.8	1799.1	-46	62	2.85	ok
SLVml 1	4	12	-311.1	88.9	666	1682	-62	82	2.86	ok
SLVml 2	4	12	-311.1	88.9	666	1682	-62	82	2.86	ok
GEO 1	3	69	133.3	711.1	1218.4	2008.7	-40	54	2.86	ok
GEO 1	4	69	133.3	711.1	1218.4	2008.7	-40	54	2.86	ok
GEO 2	1	35	-133.3	355.6	865.9	1724.3	-48	66	2.86	ok
GEO 2	3	35	-133.3	355.6	865.9	1724.3	-48	66	2.86	ok
GEO 2	2	35	-133.3	355.6	865.9	1724.3	-48	66	2.86	ok
GEO 1	1	35	-133.3	355.6	865.9	1724.3	-48	66	2.86	ok
GEO 2	4	35	-133.3	355.6	865.9	1724.3	-48	66	2.86	ok
GEO 1	2	35	-133.3	355.6	865.9	1724.3	-48	66	2.86	ok
GEO 1	1	23	-222.2	177.8	713.3	1639.2	-56	76	2.86	ok
GEO 2	4	23	-222.2	177.8	713.3	1639.2	-56	76	2.86	ok
GEO 2	2	23	-222.2	177.8	713.3	1639.2	-56	76	2.86	ok
GEO 2	1	23	-222.2	177.8	713.3	1639.2	-56	76	2.86	ok
GEO 1	2	23	-222.2	177.8	713.3	1639.2	-56	76	2.86	ok
GEO 2	3	23	-222.2	177.8	713.3	1639.2	-56	76	2.86	ok
GEO 2	3	24	-222.2	266.7	798.2	1712.4	-52	70	2.87	ok
GEO 1	2	24	-222.2	266.7	798.2	1712.4	-52	70	2.87	ok
GEO 1	1	24	-222.2	266.7	798.2	1712.4	-52	70	2.87	ok
GEO 2	1	24	-222.2	266.7	798.2	1712.4	-52	70	2.87	ok
GEO 2	2	24	-222.2	266.7	798.2	1712.4	-52	70	2.87	ok
GEO 2	4	24	-222.2	266.7	798.2	1712.4	-52	70	2.87	ok
GEO 1	4	70	133.3	800	1306.8	2074.3	-39	52	2.88	ok
GEO 1	3	70	133.3	800	1306.8	2074.3	-39	52	2.88	ok
GEO 1	2	25	-222.2	355.6	883.9	1784.3	-49	66	2.88	ok
GEO 2	4	25	-222.2	355.6	883.9	1784.3	-49	66	2.88	ok
GEO 2	1	25	-222.2	355.6	883.9	1784.3	-49	66	2.88	ok
GEO 1	1	25	-222.2	355.6	883.9	1784.3	-49	66	2.88	ok
GEO 2	3	25	-222.2	355.6	883.9	1784.3	-49	66	2.88	ok
GEO 2	2	25	-222.2	355.6	883.9	1784.3	-49	66	2.88	ok
GEO 1	3	64	133.3	266.7	778.2	1646.8	-51	70	2.89	ok
GEO 1	4	64	133.3	266.7	778.2	1646.8	-51	70	2.89	ok
GEO 2	2	36	-133.3	444.4	953.8	1799.1	-46	62	2.91	ok
GEO 1	2	36	-133.3	444.4	953.8	1799.1	-46	62	2.91	ok
GEO 2	3	36	-133.3	444.4	953.8	1799.1	-46	62	2.91	ok
GEO 2	4	36	-133.3	444.4	953.8	1799.1	-46	62	2.91	ok
GEO 2	1	36	-133.3	444.4	953.8	1799.1	-46	62	2.91	ok
GEO 1	1	36	-133.3	444.4	953.8	1799.1	-46	62	2.91	ok
SLVml 1	4	65	133.3	355.6	865.9	1724.3	-48	66	2.91	ok
SLVml 2	4	65	133.3	355.6	865.9	1724.3	-48	66	2.91	ok
GEO 2	3	26	-222.2	444.4	970.2	1854.5	-47	63	2.91	ok
GEO 2	1	26	-222.2	444.4	970.2	1854.5	-47	63	2.91	ok
GEO 1	1	26	-222.2	444.4	970.2	1854.5	-47	63	2.91	ok
GEO 2	2	26	-222.2	444.4	970.2	1854.5	-47	63	2.91	ok
GEO 1	2	26	-222.2	444.4	970.2	1854.5	-47	63	2.91	ok
GEO 2	4	26	-222.2	444.4	970.2	1854.5	-47	63	2.91	ok
SLVml 2	4	52	44.4	88.9	590.6	1441	-58	81	2.93	ok
SLVml 1	4	52	44.4	88.9	590.6	1441	-58	81	2.93	ok
GEO 1	3	51	44.4	0	502	1349.3	-64	-270	2.94	ok
GEO 1	4	51	44.4	0	502	1349.3	-64	-270	2.94	ok
GEO 2	4	44	-44.4	266.7	768	1613.2	-51	70	2.94	ok
GEO 2	3	44	-44.4	266.7	768	1613.2	-51	70	2.94	ok
GEO 2	1	44	-44.4	266.7	768	1613.2	-51	70	2.94	ok
GEO 2	2	44	-44.4	266.7	768	1613.2	-51	70	2.94	ok
GEO 1	1	44	-44.4	266.7	768	1613.2	-51	70	2.94	ok
GEO 1	2	44	-44.4	266.7	768	1613.2	-51	70	2.94	ok
SLVml 2	4	80	222.2	800	1318.9	2117.6	-39	53	2.95	ok
SLVml 1	4	80	222.2	800	1318.9	2117.6	-39	53	2.95	ok
GEO 2	2	22	-222.2	88.9	629.4	1565.3	-61	82	2.95	ok
GEO 2	3	22	-222.2	88.9	629.4	1565.3	-61	82	2.95	ok
GEO 2	1	22	-222.2	88.9	629.4	1565.3	-61	82	2.95	ok
GEO 1	1	22	-222.2	88.9	629.4	1565.3	-61	82	2.95	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 1	2	22	-222.2	88.9	629.4	1565.3	-61	82	2.95	ok
GEO 2	4	22	-222.2	88.9	629.4	1565.3	-61	82	2.95	ok
GEO 2	4	42	-44.4	88.9	590.6	1441	-58	81	2.95	ok
GEO 1	2	42	-44.4	88.9	590.6	1441	-58	81	2.95	ok
GEO 2	2	42	-44.4	88.9	590.6	1441	-58	81	2.95	ok
GEO 1	1	42	-44.4	88.9	590.6	1441	-58	81	2.95	ok
GEO 2	1	42	-44.4	88.9	590.6	1441	-58	81	2.95	ok
GEO 2	3	42	-44.4	88.9	590.6	1441	-58	81	2.95	ok
GEO 2	4	43	-44.4	177.8	679.2	1529	-54	75	2.95	ok
GEO 2	2	43	-44.4	177.8	679.2	1529	-54	75	2.95	ok
GEO 1	1	43	-44.4	177.8	679.2	1529	-54	75	2.95	ok
GEO 2	1	43	-44.4	177.8	679.2	1529	-54	75	2.95	ok
GEO 1	2	43	-44.4	177.8	679.2	1529	-54	75	2.95	ok
GEO 2	3	43	-44.4	177.8	679.2	1529	-54	75	2.95	ok
GEO 2	4	37	-133.3	533.3	1041.9	1871.3	-44	59	2.95	ok
GEO 1	1	37	-133.3	533.3	1041.9	1871.3	-44	59	2.95	ok
GEO 2	3	37	-133.3	533.3	1041.9	1871.3	-44	59	2.95	ok
GEO 2	2	37	-133.3	533.3	1041.9	1871.3	-44	59	2.95	ok
GEO 2	1	37	-133.3	533.3	1041.9	1871.3	-44	59	2.95	ok
GEO 1	2	37	-133.3	533.3	1041.9	1871.3	-44	59	2.95	ok
GEO 1	1	27	-222.2	533.3	1057	1922.9	-45	60	2.96	ok
GEO 2	1	27	-222.2	533.3	1057	1922.9	-45	60	2.96	ok
GEO 2	2	27	-222.2	533.3	1057	1922.9	-45	60	2.96	ok
GEO 2	3	27	-222.2	533.3	1057	1922.9	-45	60	2.96	ok
GEO 1	2	27	-222.2	533.3	1057	1922.9	-45	60	2.96	ok
GEO 2	4	27	-222.2	533.3	1057	1922.9	-45	60	2.96	ok
SLVml 1	4	41	-44.4	0	502	1349.3	-64	-270	2.96	ok
SLVml 2	4	41	-44.4	0	502	1349.3	-64	-270	2.96	ok
SLVml 2	4	3	-400	177.8	787	1876.1	-60	77	2.97	ok
SLVml 1	4	3	-400	177.8	787	1876.1	-60	77	2.97	ok
GEO 2	3	45	-44.4	355.6	856.7	1693.7	-48	65	2.97	ok
GEO 2	1	45	-44.4	355.6	856.7	1693.7	-48	65	2.97	ok
GEO 2	2	45	-44.4	355.6	856.7	1693.7	-48	65	2.97	ok
GEO 2	4	45	-44.4	355.6	856.7	1693.7	-48	65	2.97	ok
GEO 1	1	45	-44.4	355.6	856.7	1693.7	-48	65	2.97	ok
GEO 1	2	45	-44.4	355.6	856.7	1693.7	-48	65	2.97	ok
SLVml 1	4	79	222.2	711.1	1231.3	2054.4	-41	55	2.97	ok
SLVml 2	4	79	222.2	711.1	1231.3	2054.4	-41	55	2.97	ok
GEO 1	4	63	133.3	177.8	690.8	1566.4	-55	75	3	ok
GEO 1	3	63	133.3	177.8	690.8	1566.4	-55	75	3	ok
SLVml 1	4	64	133.3	266.7	778.2	1646.8	-51	70	3	ok
SLVml 2	4	64	133.3	266.7	778.2	1646.8	-51	70	3	ok
GEO 2	1	28	-222.2	622.2	1144	1989.5	-43	57	3	ok
GEO 2	3	28	-222.2	622.2	1144	1989.5	-43	57	3	ok
GEO 2	2	28	-222.2	622.2	1144	1989.5	-43	57	3	ok
GEO 2	4	28	-222.2	622.2	1144	1989.5	-43	57	3	ok
GEO 1	2	28	-222.2	622.2	1144	1989.5	-43	57	3	ok
GEO 1	1	28	-222.2	622.2	1144	1989.5	-43	57	3	ok
GEO 2	4	21	-222.2	0	547.2	1492.5	-66	-270	3	ok
GEO 2	3	21	-222.2	0	547.2	1492.5	-66	-270	3	ok
GEO 2	2	21	-222.2	0	547.2	1492.5	-66	-270	3	ok
GEO 1	2	21	-222.2	0	547.2	1492.5	-66	-270	3	ok
GEO 2	1	21	-222.2	0	547.2	1492.5	-66	-270	3	ok
GEO 1	1	21	-222.2	0	547.2	1492.5	-66	-270	3	ok
GEO 1	2	38	-133.3	622.2	1130.1	1941.1	-42	57	3.01	ok
GEO 1	1	38	-133.3	622.2	1130.1	1941.1	-42	57	3.01	ok
GEO 2	2	38	-133.3	622.2	1130.1	1941.1	-42	57	3.01	ok
GEO 2	4	38	-133.3	622.2	1130.1	1941.1	-42	57	3.01	ok
GEO 2	1	38	-133.3	622.2	1130.1	1941.1	-42	57	3.01	ok
GEO 2	3	38	-133.3	622.2	1130.1	1941.1	-42	57	3.01	ok
SLVml 2	4	78	222.2	622.2	1144	1989.5	-43	57	3.01	ok
SLVml 1	4	78	222.2	622.2	1144	1989.5	-43	57	3.01	ok
GEO 1	2	46	-44.4	444.4	945.5	1770.9	-45	62	3.01	ok
GEO 2	2	46	-44.4	444.4	945.5	1770.9	-45	62	3.01	ok
GEO 2	4	46	-44.4	444.4	945.5	1770.9	-45	62	3.01	ok
GEO 1	1	46	-44.4	444.4	945.5	1770.9	-45	62	3.01	ok
GEO 2	1	46	-44.4	444.4	945.5	1770.9	-45	62	3.01	ok
GEO 2	3	46	-44.4	444.4	945.5	1770.9	-45	62	3.01	ok
GEO 2	3	15	-311.1	355.6	910.4	1871.6	-51	67	3.02	ok
GEO 1	2	15	-311.1	355.6	910.4	1871.6	-51	67	3.02	ok
GEO 2	1	15	-311.1	355.6	910.4	1871.6	-51	67	3.02	ok
GEO 2	4	15	-311.1	355.6	910.4	1871.6	-51	67	3.02	ok
GEO 2	2	15	-311.1	355.6	910.4	1871.6	-51	67	3.02	ok
GEO 1	1	15	-311.1	355.6	910.4	1871.6	-51	67	3.02	ok
GEO 1	1	16	-311.1	444.4	994.4	1935.5	-48	63	3.03	ok
GEO 2	1	16	-311.1	444.4	994.4	1935.5	-48	63	3.03	ok
GEO 2	2	16	-311.1	444.4	994.4	1935.5	-48	63	3.03	ok
GEO 2	4	16	-311.1	444.4	994.4	1935.5	-48	63	3.03	ok
GEO 1	2	16	-311.1	444.4	994.4	1935.5	-48	63	3.03	ok
GEO 2	3	16	-311.1	444.4	994.4	1935.5	-48	63	3.03	ok
GEO 2	1	14	-311.1	266.7	827.4	1807.5	-54	71	3.03	ok
GEO 2	2	14	-311.1	266.7	827.4	1807.5	-54	71	3.03	ok
GEO 1	2	14	-311.1	266.7	827.4	1807.5	-54	71	3.03	ok
GEO 2	3	14	-311.1	266.7	827.4	1807.5	-54	71	3.03	ok
GEO 2	4	14	-311.1	266.7	827.4	1807.5	-54	71	3.03	ok
GEO 1	1	14	-311.1	266.7	827.4	1807.5	-54	71	3.03	ok
SLVml 1	4	31	-133.3	0	517.5	1398.5	-65	-270	3.04	ok
SLVml 2	4	31	-133.3	0	517.5	1398.5	-65	-270	3.04	ok
GEO 1	3	2	-400	88.9	711.9	1827.8	-64	83	3.05	ok
GEO 1	4	2	-400	88.9	711.9	1827.8	-64	83	3.05	ok
GEO 2	1	29	-222.2	711.1	1231.3	2054.4	-41	55	3.05	ok
GEO 1	2	29	-222.2	711.1	1231.3	2054.4	-41	55	3.05	ok
GEO 2	2	29	-222.2	711.1	1231.3	2054.4	-41	55	3.05	ok
GEO 2	4	29	-222.2	711.1	1231.3	2054.4	-41	55	3.05	ok
GEO 1	1	29	-222.2	711.1	1231.3	2054.4	-41	55	3.05	ok
GEO 2	3	29	-222.2	711.1	1231.3	2054.4	-41	55	3.05	ok
GEO 2	3	17	-311.1	533.3	1079.2	1998.5	-46	60	3.05	ok
GEO 1	2	17	-311.1	533.3	1079.2	1998.5	-46	60	3.05	ok
GEO 1	1	17	-311.1	533.3	1079.2	1998.5	-46	60	3.05	ok
GEO 2	1	17	-311.1	533.3	1079.2	1998.5	-46	60	3.05	ok
GEO 2	2	17	-311.1	533.3	1079.2	1998.5	-46	60	3.05	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 2	4	17	-311.1	533.3	1079.2	1998.5	-46	60	3.05	ok
GEO 2	2	47	-44.4	533.3	1034.3	1845.1	-43	59	3.06	ok
GEO 1	1	47	-44.4	533.3	1034.3	1845.1	-43	59	3.06	ok
GEO 2	3	47	-44.4	533.3	1034.3	1845.1	-43	59	3.06	ok
GEO 2	1	47	-44.4	533.3	1034.3	1845.1	-43	59	3.06	ok
GEO 1	2	47	-44.4	533.3	1034.3	1845.1	-43	59	3.06	ok
GEO 2	4	47	-44.4	533.3	1034.3	1845.1	-43	59	3.06	ok
GEO 2	2	39	-133.3	711.1	1218.4	2008.7	-40	54	3.06	ok
GEO 2	3	39	-133.3	711.1	1218.4	2008.7	-40	54	3.06	ok
GEO 2	1	39	-133.3	711.1	1218.4	2008.7	-40	54	3.06	ok
GEO 1	2	39	-133.3	711.1	1218.4	2008.7	-40	54	3.06	ok
GEO 2	4	39	-133.3	711.1	1218.4	2008.7	-40	54	3.06	ok
GEO 1	1	39	-133.3	711.1	1218.4	2008.7	-40	54	3.06	ok
SLVml 1	4	77	222.2	533.3	1057	1922.9	-45	60	3.06	ok
SLVml 2	4	77	222.2	533.3	1057	1922.9	-45	60	3.06	ok
GEO 1	1	18	-311.1	622.2	1164.5	2060.6	-44	58	3.08	ok
GEO 2	1	18	-311.1	622.2	1164.5	2060.6	-44	58	3.08	ok
GEO 1	2	18	-311.1	622.2	1164.5	2060.6	-44	58	3.08	ok
GEO 2	4	18	-311.1	622.2	1164.5	2060.6	-44	58	3.08	ok
GEO 2	2	18	-311.1	622.2	1164.5	2060.6	-44	58	3.08	ok
GEO 2	3	18	-311.1	622.2	1164.5	2060.6	-44	58	3.08	ok
GEO 1	1	13	-311.1	177.8	745.8	1743.8	-58	76	3.1	ok
GEO 2	3	13	-311.1	177.8	745.8	1743.8	-58	76	3.1	ok
GEO 2	1	13	-311.1	177.8	745.8	1743.8	-58	76	3.1	ok
GEO 2	2	13	-311.1	177.8	745.8	1743.8	-58	76	3.1	ok
GEO 2	4	13	-311.1	177.8	745.8	1743.8	-58	76	3.1	ok
GEO 1	2	13	-311.1	177.8	745.8	1743.8	-58	76	3.1	ok
GEO 2	3	30	-222.2	800	1318.9	2117.6	-39	53	3.1	ok
GEO 2	1	30	-222.2	800	1318.9	2117.6	-39	53	3.1	ok
GEO 2	4	30	-222.2	800	1318.9	2117.6	-39	53	3.1	ok
GEO 1	1	30	-222.2	800	1318.9	2117.6	-39	53	3.1	ok
GEO 2	2	30	-222.2	800	1318.9	2117.6	-39	53	3.1	ok
GEO 1	2	30	-222.2	800	1318.9	2117.6	-39	53	3.1	ok
GEO 2	4	48	-44.4	622.2	1123.1	1916.6	-41	56	3.11	ok
GEO 1	1	48	-44.4	622.2	1123.1	1916.6	-41	56	3.11	ok
GEO 2	3	48	-44.4	622.2	1123.1	1916.6	-41	56	3.11	ok
GEO 1	2	48	-44.4	622.2	1123.1	1916.6	-41	56	3.11	ok
GEO 2	2	48	-44.4	622.2	1123.1	1916.6	-41	56	3.11	ok
GEO 2	1	48	-44.4	622.2	1123.1	1916.6	-41	56	3.11	ok
GEO 2	1	40	-133.3	800	1306.8	2074.3	-39	52	3.12	ok
GEO 1	1	40	-133.3	800	1306.8	2074.3	-39	52	3.12	ok
GEO 1	2	40	-133.3	800	1306.8	2074.3	-39	52	3.12	ok
GEO 2	4	40	-133.3	800	1306.8	2074.3	-39	52	3.12	ok
GEO 2	2	40	-133.3	800	1306.8	2074.3	-39	52	3.12	ok
GEO 2	3	40	-133.3	800	1306.8	2074.3	-39	52	3.12	ok
GEO 2	2	19	-311.1	711.1	1250.4	2121.6	-42	55	3.12	ok
GEO 1	1	19	-311.1	711.1	1250.4	2121.6	-42	55	3.12	ok
GEO 1	2	19	-311.1	711.1	1250.4	2121.6	-42	55	3.12	ok
GEO 2	3	19	-311.1	711.1	1250.4	2121.6	-42	55	3.12	ok
GEO 2	4	19	-311.1	711.1	1250.4	2121.6	-42	55	3.12	ok
GEO 2	1	19	-311.1	711.1	1250.4	2121.6	-42	55	3.12	ok
SLVml 2	4	76	222.2	444.4	970.2	1854.5	-47	63	3.14	ok
SLVml 1	4	76	222.2	444.4	970.2	1854.5	-47	63	3.14	ok
GEO 1	3	62	133.3	88.9	603.8	1483.4	-59	82	3.16	ok
GEO 1	4	62	133.3	88.9	603.8	1483.4	-59	82	3.16	ok
GEO 2	3	49	-44.4	711.1	1211.9	1985.6	-40	54	3.16	ok
GEO 2	2	49	-44.4	711.1	1211.9	1985.6	-40	54	3.16	ok
GEO 2	1	49	-44.4	711.1	1211.9	1985.6	-40	54	3.16	ok
GEO 2	4	49	-44.4	711.1	1211.9	1985.6	-40	54	3.16	ok
GEO 1	2	49	-44.4	711.1	1211.9	1985.6	-40	54	3.16	ok
GEO 1	1	49	-44.4	711.1	1211.9	1985.6	-40	54	3.16	ok
GEO 2	1	20	-311.1	800	1336.7	2181.4	-40	53	3.16	ok
GEO 2	2	20	-311.1	800	1336.7	2181.4	-40	53	3.16	ok
GEO 1	1	20	-311.1	800	1336.7	2181.4	-40	53	3.16	ok
GEO 2	3	20	-311.1	800	1336.7	2181.4	-40	53	3.16	ok
GEO 1	2	20	-311.1	800	1336.7	2181.4	-40	53	3.16	ok
GEO 2	4	20	-311.1	800	1336.7	2181.4	-40	53	3.16	ok
SLVml 1	4	63	133.3	177.8	690.8	1566.4	-55	75	3.16	ok
SLVml 2	4	63	133.3	177.8	690.8	1566.4	-55	75	3.16	ok
GEO 2	2	12	-311.1	88.9	666	1682	-62	82	3.16	ok
GEO 2	1	12	-311.1	88.9	666	1682	-62	82	3.16	ok
GEO 2	4	12	-311.1	88.9	666	1682	-62	82	3.16	ok
GEO 2	3	12	-311.1	88.9	666	1682	-62	82	3.16	ok
GEO 1	1	12	-311.1	88.9	666	1682	-62	82	3.16	ok
GEO 1	2	12	-311.1	88.9	666	1682	-62	82	3.16	ok
GEO 1	3	79	222.2	711.1	1231.3	2054.4	-41	55	3.17	ok
GEO 1	4	79	222.2	711.1	1231.3	2054.4	-41	55	3.17	ok
GEO 1	4	80	222.2	800	1318.9	2117.6	-39	53	3.17	ok
GEO 1	3	80	222.2	800	1318.9	2117.6	-39	53	3.17	ok
GEO 1	3	78	222.2	622.2	1144	1989.5	-43	57	3.17	ok
GEO 1	4	78	222.2	622.2	1144	1989.5	-43	57	3.17	ok
SLVml 2	4	90	311.1	800	1336.7	2181.4	-40	53	3.17	ok
SLVml 1	4	90	311.1	800	1336.7	2181.4	-40	53	3.17	ok
GEO 1	4	77	222.2	533.3	1057	1922.9	-45	60	3.19	ok
GEO 1	3	77	222.2	533.3	1057	1922.9	-45	60	3.19	ok
GEO 1	1	41	-44.4	0	502	1349.3	-64	-270	3.21	ok
GEO 2	1	41	-44.4	0	502	1349.3	-64	-270	3.21	ok
GEO 1	2	41	-44.4	0	502	1349.3	-64	-270	3.21	ok
GEO 2	3	41	-44.4	0	502	1349.3	-64	-270	3.21	ok
GEO 2	4	41	-44.4	0	502	1349.3	-64	-270	3.21	ok
GEO 2	2	41	-44.4	0	502	1349.3	-64	-270	3.21	ok
GEO 2	3	50	-44.4	800	1300.8	2052.4	-38	52	3.21	ok
GEO 2	2	50	-44.4	800	1300.8	2052.4	-38	52	3.21	ok
GEO 1	1	50	-44.4	800	1300.8	2052.4	-38	52	3.21	ok
GEO 1	2	50	-44.4	800	1300.8	2052.4	-38	52	3.21	ok
GEO 2	1	50	-44.4	800	1300.8	2052.4	-38	52	3.21	ok
GEO 2	4	50	-44.4	800	1300.8	2052.4	-38	52	3.21	ok
SLVml 1	4	2	-400	88.9	711.9	1827.8	-64	83	3.22	ok
SLVml 2	4	2	-400	88.9	711.9	1827.8	-64	83	3.22	ok
SLVml 2	4	89	311.1	711.1	1250.4	2121.6	-42	55	3.22	ok
SLVml 1	4	89	311.1	711.1	1250.4	2121.6	-42	55	3.22	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 2	2	54	44.4	266.7	768	1613.2	-51	70	3.23	ok
GEO 2	3	54	44.4	266.7	768	1613.2	-51	70	3.23	ok
GEO 2	4	54	44.4	266.7	768	1613.2	-51	70	3.23	ok
GEO 2	1	54	44.4	266.7	768	1613.2	-51	70	3.23	ok
GEO 1	1	54	44.4	266.7	768	1613.2	-51	70	3.23	ok
GEO 1	2	54	44.4	266.7	768	1613.2	-51	70	3.23	ok
GEO 1	2	55	44.4	355.6	856.7	1693.7	-48	65	3.23	ok
GEO 2	4	55	44.4	355.6	856.7	1693.7	-48	65	3.23	ok
GEO 2	3	55	44.4	355.6	856.7	1693.7	-48	65	3.23	ok
GEO 1	1	55	44.4	355.6	856.7	1693.7	-48	65	3.23	ok
GEO 2	1	55	44.4	355.6	856.7	1693.7	-48	65	3.23	ok
GEO 2	2	55	44.4	355.6	856.7	1693.7	-48	65	3.23	ok
GEO 1	3	76	222.2	444.4	970.2	1854.5	-47	63	3.23	ok
GEO 1	4	76	222.2	444.4	970.2	1854.5	-47	63	3.23	ok
GEO 2	1	7	-400	533.3	1108.1	2096.3	-47	61	3.24	ok
GEO 1	2	7	-400	533.3	1108.1	2096.3	-47	61	3.24	ok
GEO 2	2	7	-400	533.3	1108.1	2096.3	-47	61	3.24	ok
GEO 1	1	7	-400	533.3	1108.1	2096.3	-47	61	3.24	ok
GEO 2	4	7	-400	533.3	1108.1	2096.3	-47	61	3.24	ok
GEO 2	3	7	-400	533.3	1108.1	2096.3	-47	61	3.24	ok
GEO 2	4	56	44.4	444.4	945.5	1770.9	-45	62	3.24	ok
GEO 2	1	56	44.4	444.4	945.5	1770.9	-45	62	3.24	ok
GEO 1	1	56	44.4	444.4	945.5	1770.9	-45	62	3.24	ok
GEO 2	2	56	44.4	444.4	945.5	1770.9	-45	62	3.24	ok
GEO 1	2	56	44.4	444.4	945.5	1770.9	-45	62	3.24	ok
GEO 2	3	56	44.4	444.4	945.5	1770.9	-45	62	3.24	ok
SLVml 1	4	75	222.2	355.6	883.9	1784.3	-49	66	3.25	ok
SLVml 2	4	75	222.2	355.6	883.9	1784.3	-49	66	3.25	ok
GEO 2	4	6	-400	444.4	1025.7	2039.7	-50	64	3.25	ok
GEO 2	1	6	-400	444.4	1025.7	2039.7	-50	64	3.25	ok
GEO 2	3	6	-400	444.4	1025.7	2039.7	-50	64	3.25	ok
GEO 2	2	6	-400	444.4	1025.7	2039.7	-50	64	3.25	ok
GEO 1	2	6	-400	444.4	1025.7	2039.7	-50	64	3.25	ok
GEO 1	1	6	-400	444.4	1025.7	2039.7	-50	64	3.25	ok
GEO 1	4	11	-311.1	0	588.9	1624.6	-68	-270	3.25	ok
GEO 1	3	11	-311.1	0	588.9	1624.6	-68	-270	3.25	ok
GEO 2	1	8	-400	622.2	1191.4	2152.7	-45	59	3.25	ok
GEO 2	4	8	-400	622.2	1191.4	2152.7	-45	59	3.25	ok
GEO 1	1	8	-400	622.2	1191.4	2152.7	-45	59	3.25	ok
GEO 2	3	8	-400	622.2	1191.4	2152.7	-45	59	3.25	ok
GEO 2	2	8	-400	622.2	1191.4	2152.7	-45	59	3.25	ok
GEO 1	2	8	-400	622.2	1191.4	2152.7	-45	59	3.25	ok
GEO 2	1	9	-400	711.1	1275.5	2208.9	-43	56	3.27	ok
GEO 1	2	9	-400	711.1	1275.5	2208.9	-43	56	3.27	ok
GEO 2	3	9	-400	711.1	1275.5	2208.9	-43	56	3.27	ok
GEO 2	2	9	-400	711.1	1275.5	2208.9	-43	56	3.27	ok
GEO 2	4	9	-400	711.1	1275.5	2208.9	-43	56	3.27	ok
GEO 1	1	9	-400	711.1	1275.5	2208.9	-43	56	3.27	ok
SLVml 2	4	51	44.4	0	502	1349.3	-64	-270	3.27	ok
SLVml 1	4	51	44.4	0	502	1349.3	-64	-270	3.27	ok
GEO 2	3	5	-400	355.6	944.4	1983.6	-52	68	3.27	ok
GEO 2	2	5	-400	355.6	944.4	1983.6	-52	68	3.27	ok
GEO 1	2	5	-400	355.6	944.4	1983.6	-52	68	3.27	ok
GEO 1	1	5	-400	355.6	944.4	1983.6	-52	68	3.27	ok
GEO 2	1	5	-400	355.6	944.4	1983.6	-52	68	3.27	ok
GEO 2	4	5	-400	355.6	944.4	1983.6	-52	68	3.27	ok
GEO 2	4	57	44.4	533.3	1034.3	1845.1	-43	59	3.28	ok
GEO 1	2	57	44.4	533.3	1034.3	1845.1	-43	59	3.28	ok
GEO 2	1	57	44.4	533.3	1034.3	1845.1	-43	59	3.28	ok
GEO 2	3	57	44.4	533.3	1034.3	1845.1	-43	59	3.28	ok
GEO 1	1	57	44.4	533.3	1034.3	1845.1	-43	59	3.28	ok
GEO 2	2	57	44.4	533.3	1034.3	1845.1	-43	59	3.28	ok
GEO 2	1	53	44.4	177.8	679.2	1529	-54	75	3.28	ok
GEO 2	3	53	44.4	177.8	679.2	1529	-54	75	3.28	ok
GEO 2	4	53	44.4	177.8	679.2	1529	-54	75	3.28	ok
GEO 2	2	53	44.4	177.8	679.2	1529	-54	75	3.28	ok
GEO 1	2	53	44.4	177.8	679.2	1529	-54	75	3.28	ok
GEO 1	1	53	44.4	177.8	679.2	1529	-54	75	3.28	ok
SLVml 2	4	88	311.1	622.2	1164.5	2060.6	-44	58	3.29	ok
SLVml 1	4	88	311.1	622.2	1164.5	2060.6	-44	58	3.29	ok
GEO 2	2	10	-400	800	1360.1	2264.5	-41	54	3.3	ok
GEO 1	1	10	-400	800	1360.1	2264.5	-41	54	3.3	ok
GEO 2	4	10	-400	800	1360.1	2264.5	-41	54	3.3	ok
GEO 2	1	10	-400	800	1360.1	2264.5	-41	54	3.3	ok
GEO 2	3	10	-400	800	1360.1	2264.5	-41	54	3.3	ok
GEO 1	2	10	-400	800	1360.1	2264.5	-41	54	3.3	ok
GEO 2	4	31	-133.3	0	517.5	1398.5	-65	-270	3.3	ok
GEO 2	2	31	-133.3	0	517.5	1398.5	-65	-270	3.3	ok
GEO 2	1	31	-133.3	0	517.5	1398.5	-65	-270	3.3	ok
GEO 1	2	31	-133.3	0	517.5	1398.5	-65	-270	3.3	ok
GEO 1	1	31	-133.3	0	517.5	1398.5	-65	-270	3.3	ok
GEO 2	3	31	-133.3	0	517.5	1398.5	-65	-270	3.3	ok
GEO 1	3	75	222.2	355.6	883.9	1784.3	-49	66	3.31	ok
GEO 1	4	75	222.2	355.6	883.9	1784.3	-49	66	3.31	ok
GEO 2	4	58	44.4	622.2	1123.1	1916.6	-41	56	3.31	ok
GEO 1	2	58	44.4	622.2	1123.1	1916.6	-41	56	3.31	ok
GEO 2	1	58	44.4	622.2	1123.1	1916.6	-41	56	3.31	ok
GEO 1	1	58	44.4	622.2	1123.1	1916.6	-41	56	3.31	ok
GEO 2	2	58	44.4	622.2	1123.1	1916.6	-41	56	3.31	ok
GEO 2	3	58	44.4	622.2	1123.1	1916.6	-41	56	3.31	ok
GEO 2	2	4	-400	266.7	864.7	1928.7	-56	72	3.33	ok
GEO 1	1	4	-400	266.7	864.7	1928.7	-56	72	3.33	ok
GEO 2	1	4	-400	266.7	864.7	1928.7	-56	72	3.33	ok
GEO 1	2	4	-400	266.7	864.7	1928.7	-56	72	3.33	ok
GEO 2	4	4	-400	266.7	864.7	1928.7	-56	72	3.33	ok
GEO 2	3	4	-400	266.7	864.7	1928.7	-56	72	3.33	ok
GEO 1	2	52	44.4	88.9	590.6	1441	-58	81	3.35	ok
GEO 2	2	52	44.4	88.9	590.6	1441	-58	81	3.35	ok
GEO 1	1	52	44.4	88.9	590.6	1441	-58	81	3.35	ok
GEO 2	3	52	44.4	88.9	590.6	1441	-58	81	3.35	ok
GEO 2	1	52	44.4	88.9	590.6	1441	-58	81	3.35	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 2	4	52	44.4	88.9	590.6	1441	-58	81	3.35	ok
GEO 1	1	59	44.4	711.1	1211.9	1985.6	-40	54	3.35	ok
GEO 2	1	59	44.4	711.1	1211.9	1985.6	-40	54	3.35	ok
GEO 2	3	59	44.4	711.1	1211.9	1985.6	-40	54	3.35	ok
GEO 2	2	59	44.4	711.1	1211.9	1985.6	-40	54	3.35	ok
GEO 1	2	59	44.4	711.1	1211.9	1985.6	-40	54	3.35	ok
GEO 2	4	59	44.4	711.1	1211.9	1985.6	-40	54	3.35	ok
SLVml 2	4	87	311.1	533.3	1079.2	1998.5	-46	60	3.38	ok
SLVml 1	4	87	311.1	533.3	1079.2	1998.5	-46	60	3.38	ok
SLVml 2	4	62	133.3	88.9	603.8	1483.4	-59	82	3.39	ok
SLVml 1	4	62	133.3	88.9	603.8	1483.4	-59	82	3.39	ok
GEO 2	3	60	44.4	800	1300.8	2052.4	-38	52	3.4	ok
GEO 1	2	60	44.4	800	1300.8	2052.4	-38	52	3.4	ok
GEO 2	2	60	44.4	800	1300.8	2052.4	-38	52	3.4	ok
GEO 2	1	60	44.4	800	1300.8	2052.4	-38	52	3.4	ok
GEO 2	4	60	44.4	800	1300.8	2052.4	-38	52	3.4	ok
GEO 1	1	60	44.4	800	1300.8	2052.4	-38	52	3.4	ok
SLVml 1	4	74	222.2	266.7	798.2	1712.4	-52	70	3.41	ok
SLVml 2	4	74	222.2	266.7	798.2	1712.4	-52	70	3.41	ok
GEO 1	4	1	-400	0	640.3	1787	-70	-270	3.42	ok
GEO 1	3	1	-400	0	640.3	1787	-70	-270	3.42	ok
GEO 1	4	74	222.2	266.7	798.2	1712.4	-52	70	3.43	ok
GEO 1	3	74	222.2	266.7	798.2	1712.4	-52	70	3.43	ok
SLVml 2	4	11	-311.1	0	588.9	1624.6	-68	-270	3.43	ok
SLVml 1	4	11	-311.1	0	588.9	1624.6	-68	-270	3.43	ok
GEO 2	1	3	-400	177.8	787	1876.1	-60	77	3.43	ok
GEO 1	1	3	-400	177.8	787	1876.1	-60	77	3.43	ok
GEO 1	2	3	-400	177.8	787	1876.1	-60	77	3.43	ok
GEO 2	2	3	-400	177.8	787	1876.1	-60	77	3.43	ok
GEO 2	3	3	-400	177.8	787	1876.1	-60	77	3.43	ok
GEO 2	4	3	-400	177.8	787	1876.1	-60	77	3.43	ok
SLVml 2	4	100	400	800	1360.1	2264.5	-41	54	3.44	ok
SLVml 1	4	100	400	800	1360.1	2264.5	-41	54	3.44	ok
SLVml 2	4	86	311.1	444.4	994.4	1935.5	-48	63	3.51	ok
SLVml 1	4	86	311.1	444.4	994.4	1935.5	-48	63	3.51	ok
SLVml 1	4	99	400	711.1	1275.5	2208.9	-43	56	3.52	ok
SLVml 2	4	99	400	711.1	1275.5	2208.9	-43	56	3.52	ok
GEO 1	3	90	311.1	800	1336.7	2181.4	-40	53	3.55	ok
GEO 1	4	90	311.1	800	1336.7	2181.4	-40	53	3.55	ok
SLVml 1	4	1	-400	0	640.3	1787	-70	-270	3.57	ok
SLVml 2	4	1	-400	0	640.3	1787	-70	-270	3.57	ok
GEO 1	3	89	311.1	711.1	1250.4	2121.6	-42	55	3.57	ok
GEO 1	4	89	311.1	711.1	1250.4	2121.6	-42	55	3.57	ok
SLVml 3	4	34	-133.3	266.7	485.3	269.8	25	57	3.58	ok
SLVml 4	4	34	-133.3	266.7	485.3	269.8	25	57	3.58	ok
GEO 1	4	88	311.1	622.2	1164.5	2060.6	-44	58	3.62	ok
GEO 1	3	88	311.1	622.2	1164.5	2060.6	-44	58	3.62	ok
GEO 1	1	67	133.3	533.3	1041.9	1871.3	-44	59	3.62	ok
GEO 2	2	67	133.3	533.3	1041.9	1871.3	-44	59	3.62	ok
GEO 2	3	67	133.3	533.3	1041.9	1871.3	-44	59	3.62	ok
GEO 1	2	67	133.3	533.3	1041.9	1871.3	-44	59	3.62	ok
GEO 2	1	67	133.3	533.3	1041.9	1871.3	-44	59	3.62	ok
GEO 2	4	67	133.3	533.3	1041.9	1871.3	-44	59	3.62	ok
SLVml 1	4	98	400	622.2	1191.4	2152.7	-45	59	3.63	ok
SLVml 2	4	98	400	622.2	1191.4	2152.7	-45	59	3.63	ok
GEO 1	1	66	133.3	444.4	953.8	1799.1	-46	62	3.63	ok
GEO 1	2	66	133.3	444.4	953.8	1799.1	-46	62	3.63	ok
GEO 2	2	66	133.3	444.4	953.8	1799.1	-46	62	3.63	ok
GEO 2	4	66	133.3	444.4	953.8	1799.1	-46	62	3.63	ok
GEO 2	1	66	133.3	444.4	953.8	1799.1	-46	62	3.63	ok
GEO 2	3	66	133.3	444.4	953.8	1799.1	-46	62	3.63	ok
GEO 2	2	68	133.3	622.2	1130.1	1941.1	-42	57	3.63	ok
GEO 1	1	68	133.3	622.2	1130.1	1941.1	-42	57	3.63	ok
GEO 2	4	68	133.3	622.2	1130.1	1941.1	-42	57	3.63	ok
GEO 2	3	68	133.3	622.2	1130.1	1941.1	-42	57	3.63	ok
GEO 2	1	68	133.3	622.2	1130.1	1941.1	-42	57	3.63	ok
GEO 1	2	68	133.3	622.2	1130.1	1941.1	-42	57	3.63	ok
GEO 1	1	69	133.3	711.1	1218.4	2008.7	-40	54	3.66	ok
GEO 2	2	69	133.3	711.1	1218.4	2008.7	-40	54	3.66	ok
GEO 2	1	69	133.3	711.1	1218.4	2008.7	-40	54	3.66	ok
GEO 2	3	69	133.3	711.1	1218.4	2008.7	-40	54	3.66	ok
GEO 1	2	69	133.3	711.1	1218.4	2008.7	-40	54	3.66	ok
GEO 2	4	69	133.3	711.1	1218.4	2008.7	-40	54	3.66	ok
GEO 2	1	65	133.3	355.6	865.9	1724.3	-48	66	3.66	ok
GEO 2	3	65	133.3	355.6	865.9	1724.3	-48	66	3.66	ok
GEO 2	2	65	133.3	355.6	865.9	1724.3	-48	66	3.66	ok
GEO 2	4	65	133.3	355.6	865.9	1724.3	-48	66	3.66	ok
GEO 1	1	65	133.3	355.6	865.9	1724.3	-48	66	3.66	ok
GEO 1	2	65	133.3	355.6	865.9	1724.3	-48	66	3.66	ok
GEO 1	3	73	222.2	177.8	713.3	1639.2	-56	76	3.66	ok
GEO 1	4	73	222.2	177.8	713.3	1639.2	-56	76	3.66	ok
GEO 2	4	51	44.4	0	502	1349.3	-64	-270	3.67	ok
GEO 2	2	51	44.4	0	502	1349.3	-64	-270	3.67	ok
GEO 1	1	51	44.4	0	502	1349.3	-64	-270	3.67	ok
GEO 2	1	51	44.4	0	502	1349.3	-64	-270	3.67	ok
GEO 2	3	51	44.4	0	502	1349.3	-64	-270	3.67	ok
GEO 1	2	51	44.4	0	502	1349.3	-64	-270	3.67	ok
SLVml 1	4	85	311.1	355.6	910.4	1871.6	-51	67	3.68	ok
SLVml 2	4	85	311.1	355.6	910.4	1871.6	-51	67	3.68	ok
GEO 1	1	70	133.3	800	1306.8	2074.3	-39	52	3.68	ok
GEO 2	2	70	133.3	800	1306.8	2074.3	-39	52	3.68	ok
GEO 1	2	70	133.3	800	1306.8	2074.3	-39	52	3.68	ok
GEO 2	3	70	133.3	800	1306.8	2074.3	-39	52	3.68	ok
GEO 2	1	70	133.3	800	1306.8	2074.3	-39	52	3.68	ok
GEO 2	4	70	133.3	800	1306.8	2074.3	-39	52	3.68	ok
SLVml 1	4	73	222.2	177.8	713.3	1639.2	-56	76	3.68	ok
SLVml 2	4	73	222.2	177.8	713.3	1639.2	-56	76	3.68	ok
GEO 1	3	87	311.1	533.3	1079.2	1998.5	-46	60	3.68	ok
GEO 1	4	87	311.1	533.3	1079.2	1998.5	-46	60	3.68	ok
GEO 2	3	2	-400	88.9	711.9	1827.8	-64	83	3.69	ok
GEO 2	4	2	-400	88.9	711.9	1827.8	-64	83	3.69	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
GEO 2	1	2	-400	88.9	711.9	1827.8	-64	83	3.69	ok
GEO 1	1	2	-400	88.9	711.9	1827.8	-64	83	3.69	ok
GEO 1	2	2	-400	88.9	711.9	1827.8	-64	83	3.69	ok
GEO 2	2	2	-400	88.9	711.9	1827.8	-64	83	3.69	ok
GEO 2	4	64	133.3	266.7	778.2	1646.8	-51	70	3.72	ok
GEO 2	3	64	133.3	266.7	778.2	1646.8	-51	70	3.72	ok
GEO 2	1	64	133.3	266.7	778.2	1646.8	-51	70	3.72	ok
GEO 2	2	64	133.3	266.7	778.2	1646.8	-51	70	3.72	ok
GEO 1	1	64	133.3	266.7	778.2	1646.8	-51	70	3.72	ok
GEO 1	2	64	133.3	266.7	778.2	1646.8	-51	70	3.72	ok
SLVml 3	4	35	-133.3	355.6	571.3	322.9	19	52	3.73	ok
SLVml 4	4	35	-133.3	355.6	571.3	322.9	19	52	3.73	ok
SLVml 2	4	97	400	533.3	1108.1	2096.3	-47	61	3.76	ok
SLVml 1	4	97	400	533.3	1108.1	2096.3	-47	61	3.76	ok
GEO 1	3	86	311.1	444.4	994.4	1935.5	-48	63	3.79	ok
GEO 1	4	86	311.1	444.4	994.4	1935.5	-48	63	3.79	ok
GEO 2	2	11	-311.1	0	588.9	1624.6	-68	-270	3.81	ok
GEO 1	2	11	-311.1	0	588.9	1624.6	-68	-270	3.81	ok
GEO 1	1	11	-311.1	0	588.9	1624.6	-68	-270	3.81	ok
GEO 2	1	11	-311.1	0	588.9	1624.6	-68	-270	3.81	ok
GEO 2	3	11	-311.1	0	588.9	1624.6	-68	-270	3.81	ok
GEO 2	4	11	-311.1	0	588.9	1624.6	-68	-270	3.81	ok
GEO 1	4	61	133.3	0	517.5	1398.5	-65	-270	3.82	ok
GEO 1	3	61	133.3	0	517.5	1398.5	-65	-270	3.82	ok
GEO 2	1	63	133.3	177.8	690.8	1566.4	-55	75	3.88	ok
GEO 2	4	63	133.3	177.8	690.8	1566.4	-55	75	3.88	ok
GEO 1	2	63	133.3	177.8	690.8	1566.4	-55	75	3.88	ok
GEO 1	1	63	133.3	177.8	690.8	1566.4	-55	75	3.88	ok
GEO 2	3	63	133.3	177.8	690.8	1566.4	-55	75	3.88	ok
GEO 2	2	63	133.3	177.8	690.8	1566.4	-55	75	3.88	ok
SLVml 4	4	36	-133.3	444.4	658.1	367.7	16	48	3.9	ok
SLVml 3	4	36	-133.3	444.4	658.1	367.7	16	48	3.9	ok
GEO 1	4	85	311.1	355.6	910.4	1871.6	-51	67	3.95	ok
GEO 1	3	85	311.1	355.6	910.4	1871.6	-51	67	3.95	ok
SLVml 1	4	96	400	444.4	1025.7	2039.7	-50	64	3.95	ok
SLVml 2	4	96	400	444.4	1025.7	2039.7	-50	64	3.95	ok
SLVml 1	4	84	311.1	266.7	827.4	1807.5	-54	71	3.95	ok
SLVml 2	4	84	311.1	266.7	827.4	1807.5	-54	71	3.95	ok
SLVml 4	4	42	-44.4	88.9	292.3	260.8	21	72	3.99	ok
SLVml 3	4	42	-44.4	88.9	292.3	260.8	21	72	3.99	ok
GEO 2	3	1	-400	0	640.3	1787	-70	-270	4	ok
GEO 1	1	1	-400	0	640.3	1787	-70	-270	4	ok
GEO 1	2	1	-400	0	640.3	1787	-70	-270	4	ok
GEO 2	4	1	-400	0	640.3	1787	-70	-270	4	ok
GEO 2	2	1	-400	0	640.3	1787	-70	-270	4	ok
GEO 2	1	1	-400	0	640.3	1787	-70	-270	4	ok
GEO 1	3	72	222.2	88.9	629.4	1565.3	-61	82	4	ok
GEO 1	4	72	222.2	88.9	629.4	1565.3	-61	82	4	ok
GEO 1	3	100	400	800	1360.1	2264.5	-41	54	4.03	ok
GEO 1	4	100	400	800	1360.1	2264.5	-41	54	4.03	ok
SLVml 1	4	61	133.3	0	517.5	1398.5	-65	-270	4.07	ok
SLVml 2	4	61	133.3	0	517.5	1398.5	-65	-270	4.07	ok
GEO 2	4	80	222.2	800	1318.9	2117.6	-39	53	4.07	ok
GEO 2	2	80	222.2	800	1318.9	2117.6	-39	53	4.07	ok
GEO 2	1	80	222.2	800	1318.9	2117.6	-39	53	4.07	ok
GEO 2	3	80	222.2	800	1318.9	2117.6	-39	53	4.07	ok
GEO 1	2	80	222.2	800	1318.9	2117.6	-39	53	4.07	ok
GEO 1	1	80	222.2	800	1318.9	2117.6	-39	53	4.07	ok
GEO 2	2	79	222.2	711.1	1231.3	2054.4	-41	55	4.08	ok
GEO 2	1	79	222.2	711.1	1231.3	2054.4	-41	55	4.08	ok
GEO 2	3	79	222.2	711.1	1231.3	2054.4	-41	55	4.08	ok
GEO 2	4	79	222.2	711.1	1231.3	2054.4	-41	55	4.08	ok
GEO 1	2	79	222.2	711.1	1231.3	2054.4	-41	55	4.08	ok
GEO 1	1	79	222.2	711.1	1231.3	2054.4	-41	55	4.08	ok
SLVml 3	4	37	-133.3	533.3	745.4	407.1	13	44	4.09	ok
SLVml 4	4	37	-133.3	533.3	745.4	407.1	13	44	4.09	ok
SLVml 1	4	72	222.2	88.9	629.4	1565.3	-61	82	4.09	ok
SLVml 2	4	72	222.2	88.9	629.4	1565.3	-61	82	4.09	ok
GEO 2	1	62	133.3	88.9	603.8	1483.4	-59	82	4.09	ok
GEO 1	2	62	133.3	88.9	603.8	1483.4	-59	82	4.09	ok
GEO 2	4	62	133.3	88.9	603.8	1483.4	-59	82	4.09	ok
GEO 2	2	62	133.3	88.9	603.8	1483.4	-59	82	4.09	ok
GEO 2	3	62	133.3	88.9	603.8	1483.4	-59	82	4.09	ok
GEO 1	1	62	133.3	88.9	603.8	1483.4	-59	82	4.09	ok
GEO 2	4	78	222.2	622.2	1144	1989.5	-43	57	4.09	ok
GEO 2	1	78	222.2	622.2	1144	1989.5	-43	57	4.09	ok
GEO 2	3	78	222.2	622.2	1144	1989.5	-43	57	4.09	ok
GEO 1	2	78	222.2	622.2	1144	1989.5	-43	57	4.09	ok
GEO 1	1	78	222.2	622.2	1144	1989.5	-43	57	4.09	ok
GEO 2	2	78	222.2	622.2	1144	1989.5	-43	57	4.09	ok
GEO 1	4	99	400	711.1	1275.5	2208.9	-43	56	4.1	ok
GEO 1	3	99	400	711.1	1275.5	2208.9	-43	56	4.1	ok
SLVml 3	4	32	-133.3	88.9	603.8	1483.4	-59	82	4.11	ok
SLVml 4	4	32	-133.3	88.9	603.8	1483.4	-59	82	4.11	ok
GEO 2	2	77	222.2	533.3	1057	1922.9	-45	60	4.13	ok
GEO 2	1	77	222.2	533.3	1057	1922.9	-45	60	4.13	ok
GEO 2	4	77	222.2	533.3	1057	1922.9	-45	60	4.13	ok
GEO 1	2	77	222.2	533.3	1057	1922.9	-45	60	4.13	ok
GEO 1	1	77	222.2	533.3	1057	1922.9	-45	60	4.13	ok
GEO 2	3	77	222.2	533.3	1057	1922.9	-45	60	4.13	ok
SLVml 4	4	43	-44.4	177.8	380.4	339.7	11	62	4.15	ok
SLVml 3	4	43	-44.4	177.8	380.4	339.7	11	62	4.15	ok
GEO 2	1	76	222.2	444.4	970.2	1854.5	-47	63	4.2	ok
GEO 1	1	76	222.2	444.4	970.2	1854.5	-47	63	4.2	ok
GEO 2	3	76	222.2	444.4	970.2	1854.5	-47	63	4.2	ok
GEO 2	4	76	222.2	444.4	970.2	1854.5	-47	63	4.2	ok
GEO 2	2	76	222.2	444.4	970.2	1854.5	-47	63	4.2	ok
GEO 1	2	76	222.2	444.4	970.2	1854.5	-47	63	4.2	ok
GEO 1	4	98	400	622.2	1191.4	2152.7	-45	59	4.2	ok
GEO 1	3	98	400	622.2	1191.4	2152.7	-45	59	4.2	ok
SLVml 4	4	33	-133.3	177.8	690.8	1566.4	-55	75	4.21	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
SLVml 3	4	33	-133.3	177.8	690.8	1566.4	-55	75	4.21	ok
GEO 1	4	84	311.1	266.7	827.4	1807.5	-54	71	4.21	ok
GEO 1	3	84	311.1	266.7	827.4	1807.5	-54	71	4.21	ok
SLVml 1	4	95	400	355.6	944.4	1983.6	-52	68	4.21	ok
SLVml 1	4	95	400	355.6	944.4	1983.6	-52	68	4.21	ok
SLVml 4	4	38	-133.3	622.2	833	442.8	11	42	4.27	ok
SLVml 3	4	38	-133.3	622.2	833	442.8	11	42	4.27	ok
GEO 2	3	75	222.2	355.6	883.9	1784.3	-49	66	4.31	ok
GEO 2	4	75	222.2	355.6	883.9	1784.3	-49	66	4.31	ok
GEO 2	1	75	222.2	355.6	883.9	1784.3	-49	66	4.31	ok
GEO 2	2	75	222.2	355.6	883.9	1784.3	-49	66	4.31	ok
GEO 1	2	75	222.2	355.6	883.9	1784.3	-49	66	4.31	ok
GEO 1	1	75	222.2	355.6	883.9	1784.3	-49	66	4.31	ok
SLVml 3	4	44	-44.4	266.7	468.8	392.5	7	55	4.32	ok
SLVml 4	4	44	-44.4	266.7	468.8	392.5	7	55	4.32	ok
SLVml 3	4	23	-222.2	177.8	713.3	1639.2	-56	76	4.33	ok
SLVml 4	4	23	-222.2	177.8	713.3	1639.2	-56	76	4.33	ok
GEO 1	4	97	400	533.3	1108.1	2096.3	-47	61	4.33	ok
GEO 1	3	97	400	533.3	1108.1	2096.3	-47	61	4.33	ok
SLVml 1	4	83	311.1	177.8	745.8	1743.8	-58	76	4.35	ok
SLVml 2	4	83	311.1	177.8	745.8	1743.8	-58	76	4.35	ok
SLVml 3	4	21	-222.2	0	547.2	1492.5	-66	-270	4.36	ok
SLVml 4	4	21	-222.2	0	547.2	1492.5	-66	-270	4.36	ok
SLVml 3	4	22	-222.2	88.9	629.4	1565.3	-61	82	4.36	ok
SLVml 4	4	22	-222.2	88.9	629.4	1565.3	-61	82	4.36	ok
SLVml 3	4	24	-222.2	266.7	798.2	1712.4	-52	70	4.45	ok
SLVml 4	4	24	-222.2	266.7	798.2	1712.4	-52	70	4.45	ok
SLVml 3	4	39	-133.3	711.1	920.8	475.8	10	39	4.46	ok
SLVml 4	4	39	-133.3	711.1	920.8	475.8	10	39	4.46	ok
GEO 1	2	74	222.2	266.7	798.2	1712.4	-52	70	4.49	ok
GEO 2	2	74	222.2	266.7	798.2	1712.4	-52	70	4.49	ok
GEO 2	4	74	222.2	266.7	798.2	1712.4	-52	70	4.49	ok
GEO 2	1	74	222.2	266.7	798.2	1712.4	-52	70	4.49	ok
GEO 2	3	74	222.2	266.7	798.2	1712.4	-52	70	4.49	ok
GEO 1	1	74	222.2	266.7	798.2	1712.4	-52	70	4.49	ok
SLVml 4	4	45	-44.4	355.6	557.3	436	6	50	4.53	ok
SLVml 3	4	45	-44.4	355.6	557.3	436	6	50	4.53	ok
GEO 1	4	96	400	444.4	1025.7	2039.7	-50	64	4.54	ok
GEO 1	3	96	400	444.4	1025.7	2039.7	-50	64	4.54	ok
SLVml 3	4	25	-222.2	355.6	883.9	1784.3	-49	66	4.59	ok
SLVml 4	4	25	-222.2	355.6	883.9	1784.3	-49	66	4.59	ok
GEO 1	4	83	311.1	177.8	745.8	1743.8	-58	76	4.6	ok
GEO 1	3	83	311.1	177.8	745.8	1743.8	-58	76	4.6	ok
SLVml 2	4	94	400	266.7	864.7	1928.7	-56	72	4.6	ok
SLVml 1	4	94	400	266.7	864.7	1928.7	-56	72	4.6	ok
GEO 2	1	90	311.1	800	1336.7	2181.4	-40	53	4.6	ok
GEO 2	3	90	311.1	800	1336.7	2181.4	-40	53	4.6	ok
GEO 2	2	90	311.1	800	1336.7	2181.4	-40	53	4.6	ok
GEO 1	1	90	311.1	800	1336.7	2181.4	-40	53	4.6	ok
GEO 2	4	90	311.1	800	1336.7	2181.4	-40	53	4.6	ok
GEO 1	2	90	311.1	800	1336.7	2181.4	-40	53	4.6	ok
GEO 2	2	89	311.1	711.1	1250.4	2121.6	-42	55	4.65	ok
GEO 2	1	89	311.1	711.1	1250.4	2121.6	-42	55	4.65	ok
GEO 2	3	89	311.1	711.1	1250.4	2121.6	-42	55	4.65	ok
GEO 2	4	89	311.1	711.1	1250.4	2121.6	-42	55	4.65	ok
GEO 1	1	89	311.1	711.1	1250.4	2121.6	-42	55	4.65	ok
GEO 1	2	89	311.1	711.1	1250.4	2121.6	-42	55	4.65	ok
SLVml 3	4	40	-133.3	800	1008.8	506.6	9	38	4.65	ok
SLVml 4	4	40	-133.3	800	1008.8	506.6	9	38	4.65	ok
SLVml 4	4	41	-44.4	0	502	1349.3	-64	-270	4.69	ok
SLVml 3	4	41	-44.4	0	502	1349.3	-64	-270	4.69	ok
GEO 2	4	88	311.1	622.2	1164.5	2060.6	-44	58	4.72	ok
GEO 2	3	88	311.1	622.2	1164.5	2060.6	-44	58	4.72	ok
GEO 2	2	88	311.1	622.2	1164.5	2060.6	-44	58	4.72	ok
GEO 1	1	88	311.1	622.2	1164.5	2060.6	-44	58	4.72	ok
GEO 1	2	88	311.1	622.2	1164.5	2060.6	-44	58	4.72	ok
GEO 2	1	88	311.1	622.2	1164.5	2060.6	-44	58	4.72	ok
SLVml 4	4	46	-44.4	444.4	646	474.6	4	47	4.74	ok
SLVml 3	4	46	-44.4	444.4	646	474.6	4	47	4.74	ok
SLVml 3	4	26	-222.2	444.4	970.2	1854.5	-47	63	4.75	ok
SLVml 4	4	26	-222.2	444.4	970.2	1854.5	-47	63	4.75	ok
GEO 1	4	95	400	355.6	944.4	1983.6	-52	68	4.82	ok
GEO 1	3	95	400	355.6	944.4	1983.6	-52	68	4.82	ok
SLVml 3	4	14	-311.1	266.7	827.4	1807.5	-54	71	4.82	ok
SLVml 4	4	14	-311.1	266.7	827.4	1807.5	-54	71	4.82	ok
GEO 2	1	87	311.1	533.3	1079.2	1998.5	-46	60	4.83	ok
GEO 2	3	87	311.1	533.3	1079.2	1998.5	-46	60	4.83	ok
GEO 2	4	87	311.1	533.3	1079.2	1998.5	-46	60	4.83	ok
GEO 1	1	87	311.1	533.3	1079.2	1998.5	-46	60	4.83	ok
GEO 1	2	87	311.1	533.3	1079.2	1998.5	-46	60	4.83	ok
GEO 2	2	87	311.1	533.3	1079.2	1998.5	-46	60	4.83	ok
SLVml 4	4	13	-311.1	177.8	745.8	1743.8	-58	76	4.83	ok
SLVml 3	4	13	-311.1	177.8	745.8	1743.8	-58	76	4.83	ok
SLVml 3	4	12	-311.1	88.9	666	1682	-62	82	4.84	ok
SLVml 4	4	12	-311.1	88.9	666	1682	-62	82	4.84	ok
GEO 2	1	73	222.2	177.8	713.3	1639.2	-56	76	4.84	ok
GEO 1	1	73	222.2	177.8	713.3	1639.2	-56	76	4.84	ok
GEO 2	2	73	222.2	177.8	713.3	1639.2	-56	76	4.84	ok
GEO 2	4	73	222.2	177.8	713.3	1639.2	-56	76	4.84	ok
GEO 1	2	73	222.2	177.8	713.3	1639.2	-56	76	4.84	ok
GEO 2	3	73	222.2	177.8	713.3	1639.2	-56	76	4.84	ok
SLVml 3	4	15	-311.1	355.6	910.4	1871.6	-51	67	4.91	ok
SLVml 4	4	15	-311.1	355.6	910.4	1871.6	-51	67	4.91	ok
GEO 1	1	61	133.3	0	517.5	1398.5	-65	-270	4.93	ok
GEO 2	1	61	133.3	0	517.5	1398.5	-65	-270	4.93	ok
GEO 2	3	61	133.3	0	517.5	1398.5	-65	-270	4.93	ok
GEO 2	4	61	133.3	0	517.5	1398.5	-65	-270	4.93	ok
GEO 1	2	61	133.3	0	517.5	1398.5	-65	-270	4.93	ok
GEO 2	2	61	133.3	0	517.5	1398.5	-65	-270	4.93	ok
SLVml 3	4	27	-222.2	533.3	1057	1922.9	-45	60	4.94	ok
SLVml 4	4	27	-222.2	533.3	1057	1922.9	-45	60	4.94	ok

Cmb	Stg	Id	Xc	Zc	Rg	Lg	Asx	Adx	CS	Ver
SLVm1 4	4	47	-44.4	533.3	734.7	509.8	4	43	4.96	ok
SLVm1 3	4	47	-44.4	533.3	734.7	509.8	4	43	4.96	ok
SLVm1 4	4	31	-133.3	0	517.5	1398.5	-65	-270	4.96	ok
SLVm1 3	4	31	-133.3	0	517.5	1398.5	-65	-270	4.96	ok
GEO 2	4	86	311.1	444.4	994.4	1935.5	-48	63	5	ok
GEO 2	2	86	311.1	444.4	994.4	1935.5	-48	63	5	ok
GEO 1	1	86	311.1	444.4	994.4	1935.5	-48	63	5	ok
GEO 2	3	86	311.1	444.4	994.4	1935.5	-48	63	5	ok
GEO 2	1	86	311.1	444.4	994.4	1935.5	-48	63	5	ok
GEO 1	2	86	311.1	444.4	994.4	1935.5	-48	63	5	ok
SLVm1 3	4	52	44.4	88.9	590.6	1441	-58	81	5.04	ok
SLVm1 4	4	52	44.4	88.9	590.6	1441	-58	81	5.04	ok
SLVm1 3	4	16	-311.1	444.4	994.4	1935.5	-48	63	5.04	ok
SLVm1 4	4	16	-311.1	444.4	994.4	1935.5	-48	63	5.04	ok
SLVm1 1	4	82	311.1	88.9	666	1682	-62	82	5.06	ok
SLVm1 2	4	82	311.1	88.9	666	1682	-62	82	5.06	ok
SLVm1 3	4	53	44.4	177.8	679.2	1529	-54	75	5.11	ok
SLVm1 4	4	53	44.4	177.8	679.2	1529	-54	75	5.11	ok
SLVm1 4	4	28	-222.2	622.2	1144	1989.5	-43	57	5.14	ok
SLVm1 3	4	28	-222.2	622.2	1144	1989.5	-43	57	5.14	ok
SLVm1 3	4	48	-44.4	622.2	823.4	542.5	3	41	5.18	ok
SLVm1 4	4	48	-44.4	622.2	823.4	542.5	3	41	5.18	ok
SLVm1 2	4	93	400	177.8	787	1876.1	-60	77	5.19	ok
SLVm1 1	4	93	400	177.8	787	1876.1	-60	77	5.19	ok
SLVm1 4	4	17	-311.1	533.3	1079.2	1998.5	-46	60	5.19	ok
SLVm1 3	4	17	-311.1	533.3	1079.2	1998.5	-46	60	5.19	ok
SLVm1 4	4	54	44.4	266.7	768	1613.2	-51	70	5.2	ok
SLVm1 3	4	54	44.4	266.7	768	1613.2	-51	70	5.2	ok
GEO 2	2	85	311.1	355.6	910.4	1871.6	-51	67	5.23	ok
GEO 2	4	85	311.1	355.6	910.4	1871.6	-51	67	5.23	ok
GEO 2	3	85	311.1	355.6	910.4	1871.6	-51	67	5.23	ok
GEO 2	1	85	311.1	355.6	910.4	1871.6	-51	67	5.23	ok
GEO 1	2	85	311.1	355.6	910.4	1871.6	-51	67	5.23	ok
GEO 1	1	85	311.1	355.6	910.4	1871.6	-51	67	5.23	ok
GEO 1	3	94	400	266.7	864.7	1928.7	-56	72	5.27	ok
GEO 1	4	94	400	266.7	864.7	1928.7	-56	72	5.27	ok
GEO 2	3	100	400	800	1360.1	2264.5	-41	54	5.28	ok
GEO 2	1	100	400	800	1360.1	2264.5	-41	54	5.28	ok
GEO 2	2	100	400	800	1360.1	2264.5	-41	54	5.28	ok
GEO 1	2	100	400	800	1360.1	2264.5	-41	54	5.28	ok
GEO 2	4	100	400	800	1360.1	2264.5	-41	54	5.28	ok
GEO 1	1	100	400	800	1360.1	2264.5	-41	54	5.28	ok
GEO 2	3	72	222.2	88.9	629.4	1565.3	-61	82	5.34	ok
GEO 2	4	72	222.2	88.9	629.4	1565.3	-61	82	5.34	ok
GEO 2	2	72	222.2	88.9	629.4	1565.3	-61	82	5.34	ok
GEO 1	2	72	222.2	88.9	629.4	1565.3	-61	82	5.34	ok
GEO 2	1	72	222.2	88.9	629.4	1565.3	-61	82	5.34	ok
GEO 1	1	72	222.2	88.9	629.4	1565.3	-61	82	5.34	ok
GEO 1	3	82	311.1	88.9	666	1682	-62	82	5.35	ok
GEO 1	4	82	311.1	88.9	666	1682	-62	82	5.35	ok
SLVm1 4	4	29	-222.2	711.1	1231.3	2054.4	-41	55	5.36	ok
SLVm1 3	4	29	-222.2	711.1	1231.3	2054.4	-41	55	5.36	ok
SLVm1 4	4	18	-311.1	622.2	1164.5	2060.6	-44	58	5.36	ok
SLVm1 3	4	18	-311.1	622.2	1164.5	2060.6	-44	58	5.36	ok
SLVm1 4	4	55	44.4	355.6	856.7	1693.7	-48	65	5.37	ok
SLVm1 3	4	55	44.4	355.6	856.7	1693.7	-48	65	5.37	ok
GEO 1	1	99	400	711.1	1275.5	2208.9	-43	56	5.39	ok
GEO 1	2	99	400	711.1	1275.5	2208.9	-43	56	5.39	ok
GEO 2	2	99	400	711.1	1275.5	2208.9	-43	56	5.39	ok
GEO 2	1	99	400	711.1	1275.5	2208.9	-43	56	5.39	ok
GEO 2	4	99	400	711.1	1275.5	2208.9	-43	56	5.39	ok
GEO 2	3	99	400	711.1	1275.5	2208.9	-43	56	5.39	ok
SLVm1 3	4	49	-44.4	711.1	912.2	573.3	3	39	5.4	ok
SLVm1 4	4	49	-44.4	711.1	912.2	573.3	3	39	5.4	ok
SLVm1 4	4	51	44.4	0	502	1349.3	-64	-270	5.47	ok
SLVm1 3	4	51	44.4	0	502	1349.3	-64	-270	5.47	ok
SLVm1 3	4	5	-400	355.6	944.4	1983.6	-52	68	5.55	ok
SLVm1 4	4	5	-400	355.6	944.4	1983.6	-52	68	5.55	ok
SLVm1 3	4	4	-400	266.7	864.7	1928.7	-56	72	5.55	ok
SLVm1 4	4	4	-400	266.7	864.7	1928.7	-56	72	5.55	ok
GEO 2	3	98	400	622.2	1191.4	2152.7	-45	59	5.56	ok
GEO 2	4	98	400	622.2	1191.4	2152.7	-45	59	5.56	ok
GEO 1	1	98	400	622.2	1191.4	2152.7	-45	59	5.56	ok
GEO 2	1	98	400	622.2	1191.4	2152.7	-45	59	5.56	ok
GEO 1	2	98	400	622.2	1191.4	2152.7	-45	59	5.56	ok
GEO 2	2	98	400	622.2	1191.4	2152.7	-45	59	5.56	ok
SLVm1 4	4	19	-311.1	711.1	1250.4	2121.6	-42	55	5.56	ok
SLVm1 3	4	19	-311.1	711.1	1250.4	2121.6	-42	55	5.56	ok
SLVm1 3	4	56	44.4	444.4	945.5	1770.9	-45	62	5.56	ok
SLVm1 4	4	56	44.4	444.4	945.5	1770.9	-45	62	5.56	ok
SLVm1 3	4	30	-222.2	800	1318.9	2117.6	-39	53	5.59	ok

Significato dei simboli utilizzati:

Cmb: combinazione di calcolo.

Stg: fase di calcolo.

Id: indice del centro.

Xc: coordinata X del centro. [cm]

Zc: coordinata Z del centro. [cm]

Rg: raggio della superficie circolare. [cm]

Lg: lunghezza della superficie circolare. [cm]

Asx: angolo con l'orizzontale formato dalla superficie a sx. [deg]

Adx: angolo con l'orizzontale (deg) formato dalla superficie a dx. [deg]

CS: fattore di sicurezza normalizzato Rd/Ed.

Ver: stato di verifica.

Verifiche di stabilità locale

Verifiche di rototraslazione intorno a un punto dell'opera (atto di moto rigido)

Stato				Traslazione X positiva		Traslazione X negativa		Rotazione Y positiva			Rotazione Y negativa			MinSF		Ver
Cmb	Stg	CT	CR	RdT+	EdT+	RdT-	EdT-	Z+	RdR+	EdR+	Z-	RdR-	EdR-	CSmin	For	
Chr GLSisP	4	Si	Si	121412	4200	83828	-3985	880	15602359	2396276	840	24240978	2417490	6.5	Ry+	ok
Chr GLSisM	4	Si	Si	121412	1166	83828	-1136	880	15602359	660845	840	24240978	640521	23.6	Ry+	ok
Chr GLQ1	4	Si	Si	147204	1410	100157	-1361	880	18453657	777255	840	29649800	764703	23.7	Ry+	ok
Chr GL	4	Si	Si	147204	859	100157	-859	900	19144549	447253	860	30843498	412887	42.8	Ry+	ok

Verifica nei confronti di meccanismi di rottura che coinvolgono il terreno (Collasso GEO)

Combinazione: Collasso A2M2
Ultima fase calcolata: 24
Massimo moltiplicatore trovato: 5
Moltiplicatore minimo per verifica: 1
Stato di verifica: ok

Dettaglio verifica:
Calcolo in combinazione Collasso A2M2
Soluzione convergente in fase 0 con spostamento nodale massimo Ux=0 Ry=0 (moltiplicatore m=0)
Soluzione convergente in fase 1 con spostamento nodale massimo Ux=1.4 Ry=0 (moltiplicatore m=0)
Soluzione convergente in fase 2 con spostamento nodale massimo Ux=1.4 Ry=0 (moltiplicatore m=0)
Soluzione convergente in fase 3 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0)
Soluzione convergente in fase 4 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0)
Soluzione convergente in fase 5 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0)
Soluzione convergente in fase 6 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.1)
Soluzione convergente in fase 7 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.2)
Soluzione convergente in fase 8 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.3)
Soluzione convergente in fase 9 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.4)
Soluzione convergente in fase 10 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.5)
Soluzione convergente in fase 11 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.6)
Soluzione convergente in fase 12 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.7)
Soluzione convergente in fase 13 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.8)
Soluzione convergente in fase 14 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=0.9)
Soluzione convergente in fase 15 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=1)
Soluzione convergente in fase 16 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=1.25)
Soluzione convergente in fase 17 con spostamento nodale massimo Ux=1.5 Ry=0 (moltiplicatore m=1.5)
Soluzione convergente in fase 18 con spostamento nodale massimo Ux=1.7 Ry=0 (moltiplicatore m=2)
Soluzione convergente in fase 19 con spostamento nodale massimo Ux=2 Ry=0 (moltiplicatore m=2.5)
Soluzione convergente in fase 20 con spostamento nodale massimo Ux=2.4 Ry=0 (moltiplicatore m=3)
Soluzione convergente in fase 21 con spostamento nodale massimo Ux=2.9 Ry=0 (moltiplicatore m=3.5)
Soluzione convergente in fase 22 con spostamento nodale massimo Ux=3.6 Ry=0 (moltiplicatore m=4)
Soluzione convergente in fase 23 con spostamento nodale massimo Ux=4.3 Ry=0 (moltiplicatore m=4.5)
Soluzione convergente in fase 24 con spostamento nodale massimo Ux=5.1 Ry=0 (moltiplicatore m=5)
Verifica al collasso SODDISFATTA in combinazione Collasso A2M2
Moltiplicatore massimo dei fattori gammaM mMax=5(>=1), corrispondente a gamma(TanPhi)=2.25, gamma(C)=2.25, gamma(Cu)=3)
Fattore di sicurezza FS=1.8

Verifiche geotecniche di capacità portante verticale dell'opera

Id	Cmb	Stg	Fvb	Leff	Cnd	An	Coes	Fid	Gs	Qd	ANmax	Gmm	Rd	Ed	CS	Ver
5	SLDm1 1	4	-124538	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	124538	6.35	ok
6	SLDm1 2	4	-124538	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	124538	6.35	ok
9	SLVm1 1	4	-124538	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	124538	6.35	ok
10	SLVm1 2	4	-124538	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	124538	6.35	ok
3	STR 3	4	-48366	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	48366	16.36	ok
1	STR 1	4	-55654	20	LT	-	0.2	32	0.002	1.97	0.08	2.3	982432	55654	17.65	ok
7	SLDm1 3	4	-26926	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	26926	29.39	ok
8	SLDm1 4	4	-26926	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	26926	29.39	ok
11	SLVm1 3	4	-26926	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	26926	29.39	ok
12	SLVm1 4	4	-26926	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	26926	29.39	ok
2	STR 2	4	-31579	20	LT	-	0.2	32	0.002	1.97	0.08	2.3	982432	31579	31.11	ok
4	STR 4	4	-24292	20	LT	-	0.2	32	0.002	1.51	0.08	2.3	791398	24292	32.58	ok

Fattori di capacità portante verticale

Id	N			S			D			P			E		
	q	c	g	q	c	g	q	c	g	q	c	g	q	c	g
5	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
6	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
9	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
10	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
3	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
1	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
7	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
8	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
11	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
12	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
2	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96
4	23	35	21	1.01	1.01	0.99	1.43	1.62	1	1	1	1	0.96	0.98	0.96

Verifiche dei cedimenti totali e differenziali

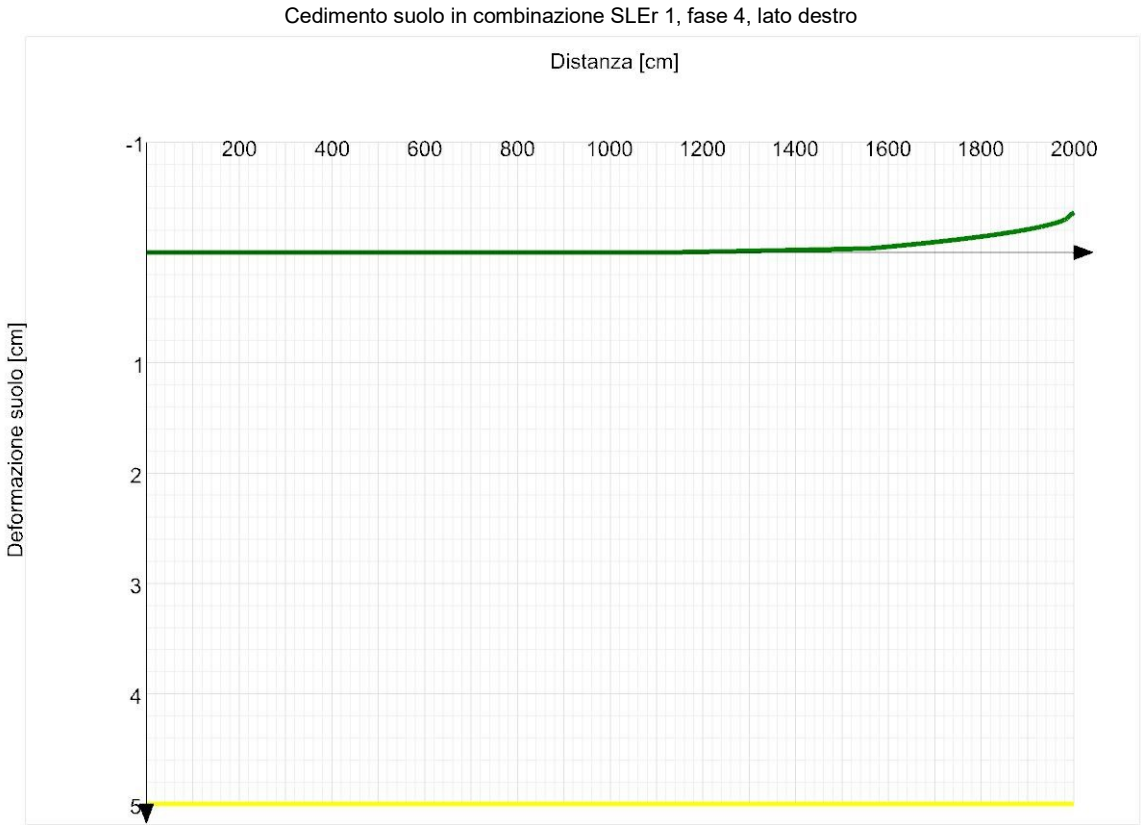
Metodo di verifica: Hsieh-Ou (1998)

Cedimento assoluto ammissibile: 5
Cedimento differenziale ammissibile: 2
Distanza considerata nella verifica cedimento differenziale: 100

Verifiche dei cedimenti totali e differenziali

Contesto				Geometria			Spostamenti nodi			Cedimenti suolo				Ver		
Cmb	Stg	Side	Type	He	Hp	d	hd	Zhd	Ahd	ad	Xad	dd	Xdd	CSa	CSd	Ver
SLDm1 1	4	Dx	cvs	220	780	656	2.9	180	894	2.2	0	0.8	9	2.32	2.6	ok
SLVm1 2	4	Dx	cvs	220	780	656	2.9	180	894	2.2	0	0.8	9	2.32	2.6	ok
SLVm1 1	4	Dx	cvs	220	780	656	2.9	180	894	2.2	0	0.8	9	2.32	2.6	ok
SLDm1 2	4	Dx	cvs	220	780	656	2.9	180	894	2.2	0	0.8	9	2.32	2.6	ok
SLDm1 1	4	Sx	cvs	220	780	1227	-2.7	220	-352	-2	0	0.7	9	2.45	2.75	ok
SLVm1 2	4	Sx	cvs	220	780	1227	-2.7	220	-352	-2	0	0.7	9	2.45	2.75	ok
SLDm1 2	4	Sx	cvs	220	780	1227	-2.7	220	-352	-2	0	0.7	9	2.45	2.75	ok
SLVm1 1	4	Sx	cvs	220	780	1227	-2.7	220	-352	-2	0	0.7	9	2.45	2.75	ok
STR 1	4	Dx	cvs	220	780	656	1.9	0	343	1.5	0	0.5	9	3.44	3.85	ok
STR 2	4	Dx	cvs	220	780	656	1.8	0	272	1.4	0	0.5	9	3.68	4.13	ok
STR 3	4	Dx	cvs	220	780	656	1.5	0	280	1.1	0	0.4	9	4.38	4.91	ok
GEO 1	4	Dx	cvs	220	780	656	1.5	0	271	1.1	0	0.4	9	4.43	4.96	ok
SLEr 1	4	Dx	cvs	220	780	656	1.5	0	256	1.1	0	0.4	9	4.51	5.05	ok
SLEf 1	4	Dx	cvs	220	780	656	1.5	0	242	1.1	0	0.4	9	4.59	5.14	ok
SLEqp 1	4	Dx	cvs	220	780	656	1.4	0	237	1.1	0	0.4	9	4.62	5.17	ok
STR 4	4	Dx	cvs	220	780	656	1.4	0	209	1	0	0.4	9	4.79	5.37	ok
SLEqp 2	4	Dx	cvs	220	780	656	1.4	0	209	1	0	0.4	9	4.79	5.37	ok
SLEf 2	4	Dx	cvs	220	780	656	1.4	0	209	1	0	0.4	9	4.79	5.37	ok
SLEr 2	4	Dx	cvs	220	780	656	1.4	0	209	1	0	0.4	9	4.79	5.37	ok
GEO 2	4	Dx	cvs	220	780	656	1.4	0	209	1	0	0.4	9	4.79	5.37	ok
SLDm1 4	4	Dx	cvs	220	780	656	1.4	0	236	1	0	0.4	9	4.84	5.42	ok
SLVm1 3	4	Dx	cvs	220	780	656	1.4	0	236	1	0	0.4	9	4.84	5.42	ok
SLDm1 3	4	Dx	cvs	220	780	656	1.4	0	236	1	0	0.4	9	4.84	5.42	ok
SLVm1 4	4	Dx	cvs	220	780	656	1.4	0	236	1	0	0.4	9	4.84	5.42	ok
STR 1	4	Sx	cvs	220	780	1227	-0.7	220	-45	-0.5	0	0.2	9	10.02	11.22	ok
STR 3	4	Sx	cvs	220	780	1227	-0.6	220	-39	-0.4	0	0.2	9	11.76	13.17	ok
GEO 1	4	Sx	cvs	220	780	1227	-0.5	220	-37	-0.4	0	0.1	9	12.45	13.95	ok
SLEr 1	4	Sx	cvs	220	780	1227	-0.5	220	-33	-0.4	0	0.1	9	13.67	15.32	ok
SLVm1 4	4	Sx	cvs	220	780	1227	-0.4	220	-33	-0.3	0	0.1	9	15.15	16.97	ok
SLDm1 3	4	Sx	cvs	220	780	1227	-0.4	220	-33	-0.3	0	0.1	9	15.15	16.97	ok
SLDm1 4	4	Sx	cvs	220	780	1227	-0.4	220	-33	-0.3	0	0.1	9	15.15	16.97	ok
SLVm1 3	4	Sx	cvs	220	780	1227	-0.4	220	-33	-0.3	0	0.1	9	15.15	16.97	ok
SLEf 1	4	Sx	cvs	220	780	1227	-0.4	220	-30	-0.3	0	0.1	9	15.16	16.98	ok
STR 2	4	Sx	cvs	220	780	1227	-0.4	220	-28	-0.3	0	0.1	9	15.62	17.49	ok
SLEqp 1	4	Sx	cvs	220	780	1227	-0.4	220	-28	-0.3	0	0.1	9	15.73	17.62	ok
STR 4	4	Sx	cvs	220	780	1227	-0.3	220	-21	-0.2	0	0.1	9	20.3	22.74	ok
SLEqp 2	4	Sx	cvs	220	780	1227	-0.3	220	-21	-0.2	0	0.1	9	20.3	22.74	ok
SLEf 2	4	Sx	cvs	220	780	1227	-0.3	220	-21	-0.2	0	0.1	9	20.3	22.74	ok
SLEr 2	4	Sx	cvs	220	780	1227	-0.3	220	-21	-0.2	0	0.1	9	20.3	22.74	ok
GEO 2	4	Sx	cvs	220	780	1227	-0.3	220	-21	-0.2	0	0.1	9	20.3	22.74	ok

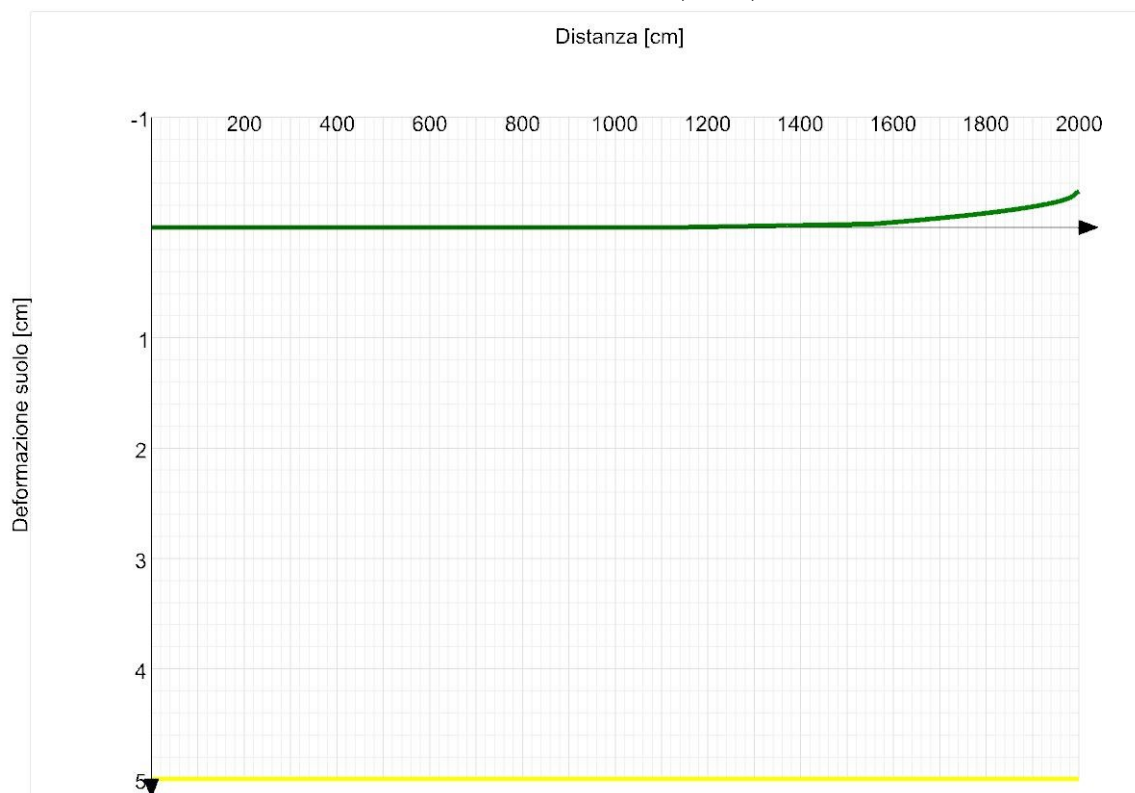
Diagrammi cedimenti al suolo nelle fasi di calcolo



Cedimento suolo in combinazione SLEr 2, fase 4, lato destro



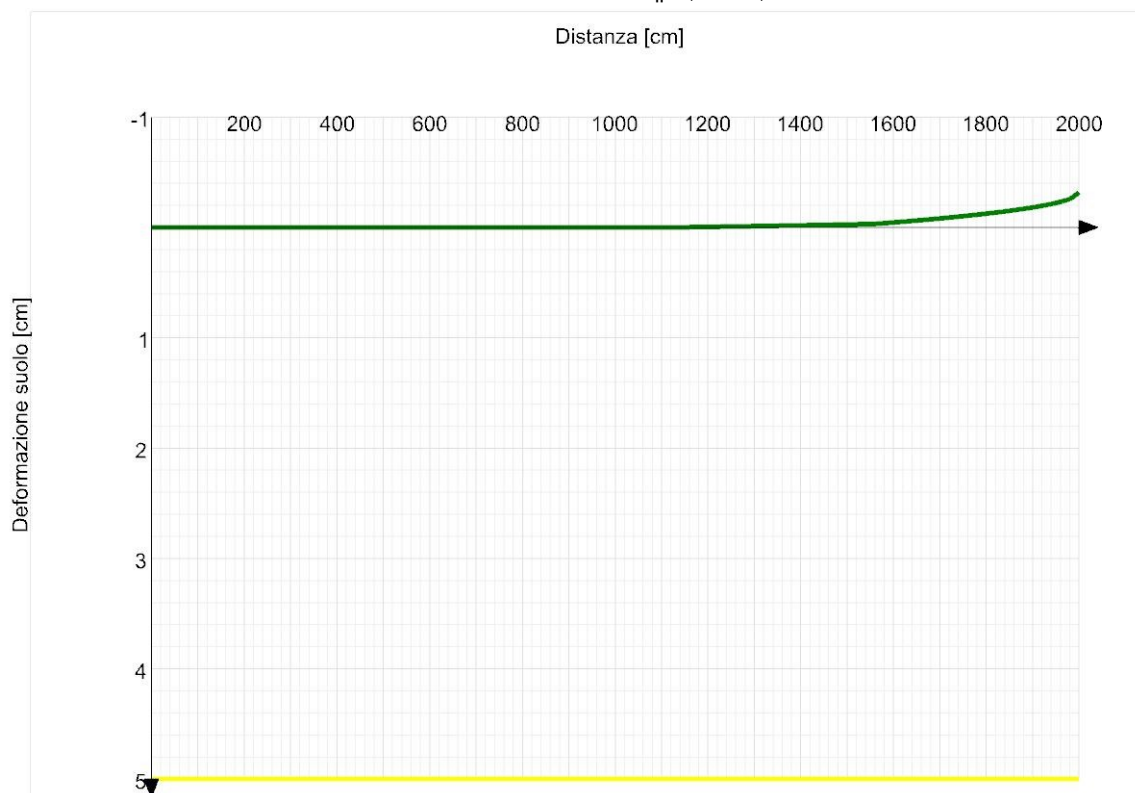
Cedimento suolo in combinazione SLEf 1, fase 4, lato destro



Cedimento suolo in combinazione SLEf 2, fase 4, lato destro



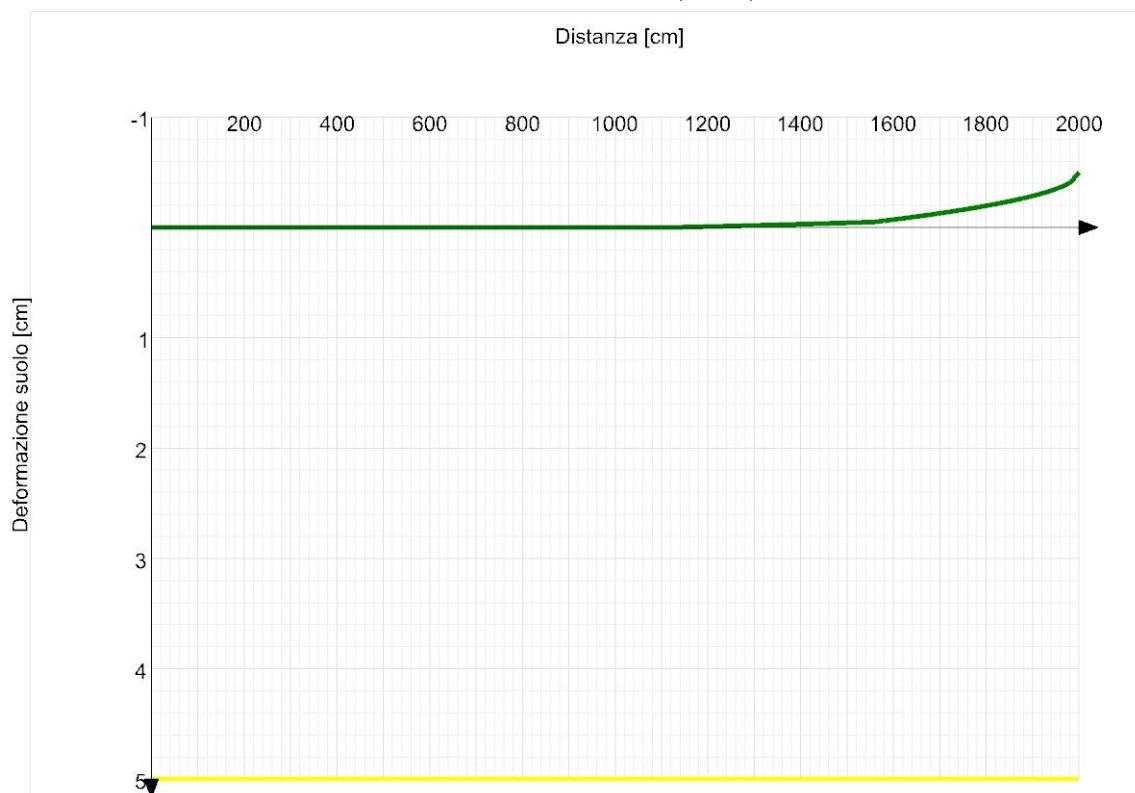
Cedimento suolo in combinazione SLEqp 1, fase 4, lato destro



Cedimento suolo in combinazione SLEqp 2, fase 4, lato destro



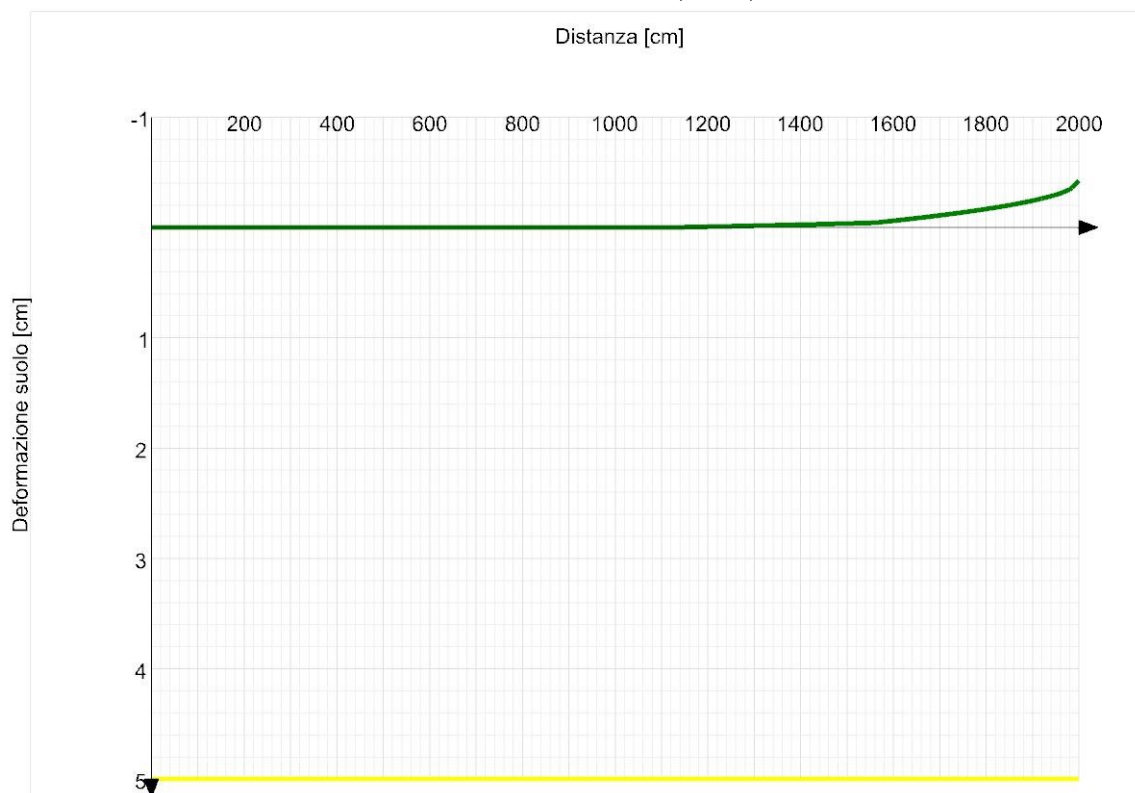
Cedimento suolo in combinazione STR 1, fase 4, lato destro



Cedimento suolo in combinazione STR 2, fase 4, lato destro



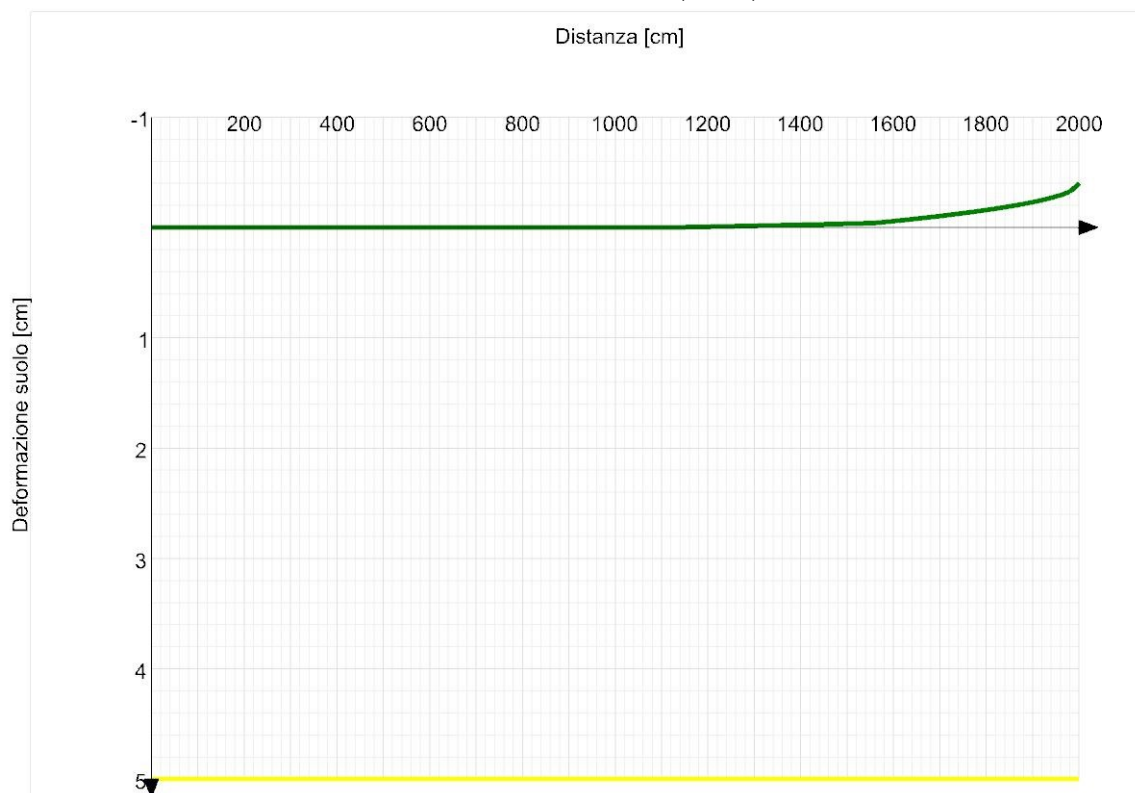
Cedimento suolo in combinazione STR 3, fase 4, lato destro



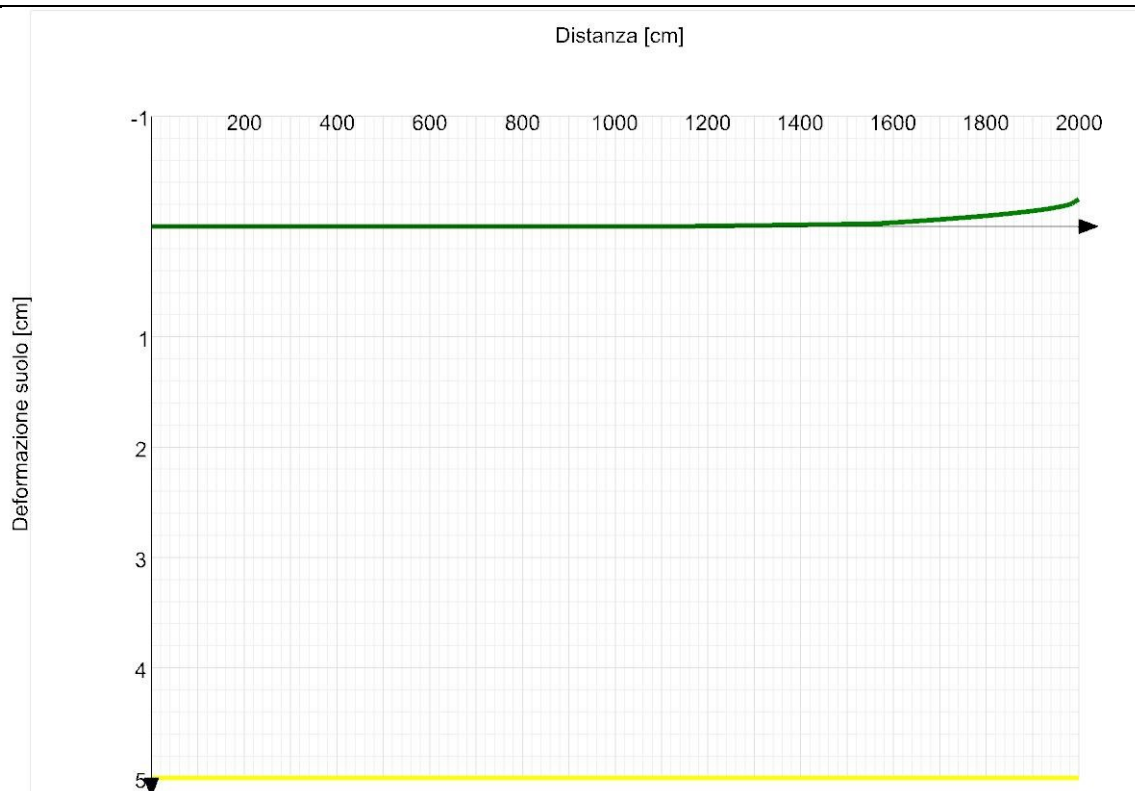
Cedimento suolo in combinazione STR 4, fase 4, lato destro



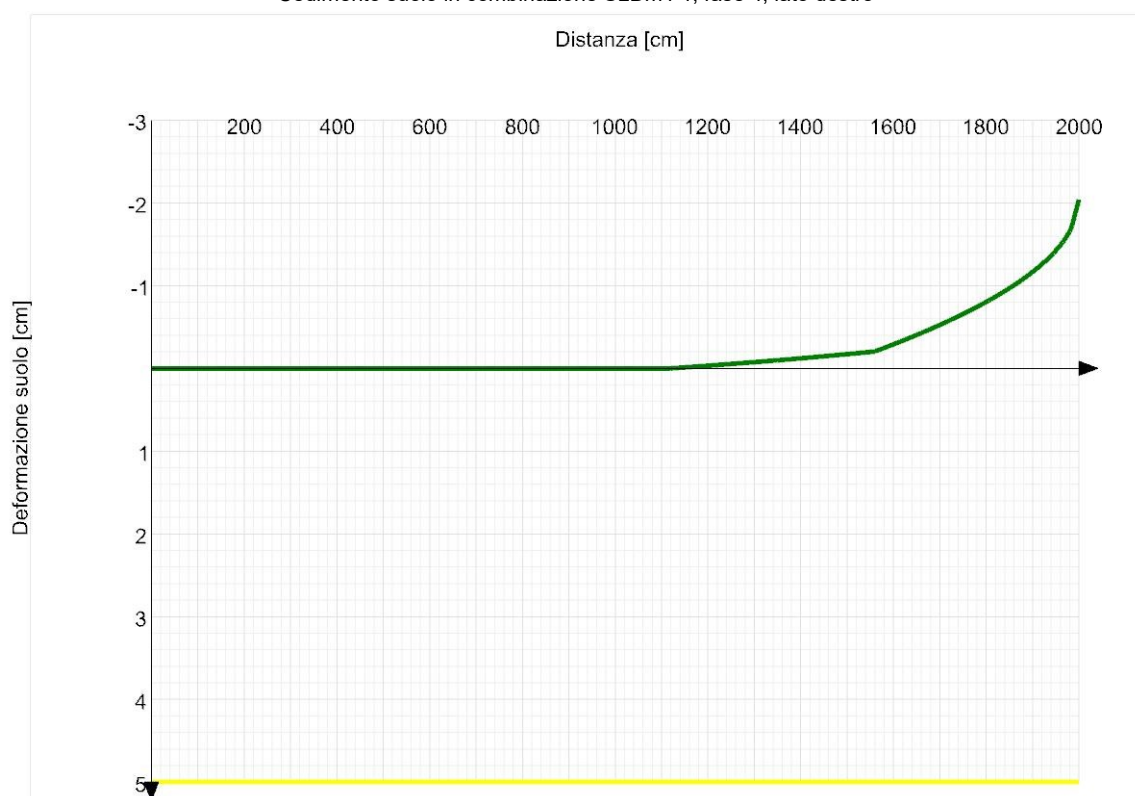
Cedimento suolo in combinazione GEO 1, fase 4, lato destro



Cedimento suolo in combinazione GEO 2, fase 4, lato destro



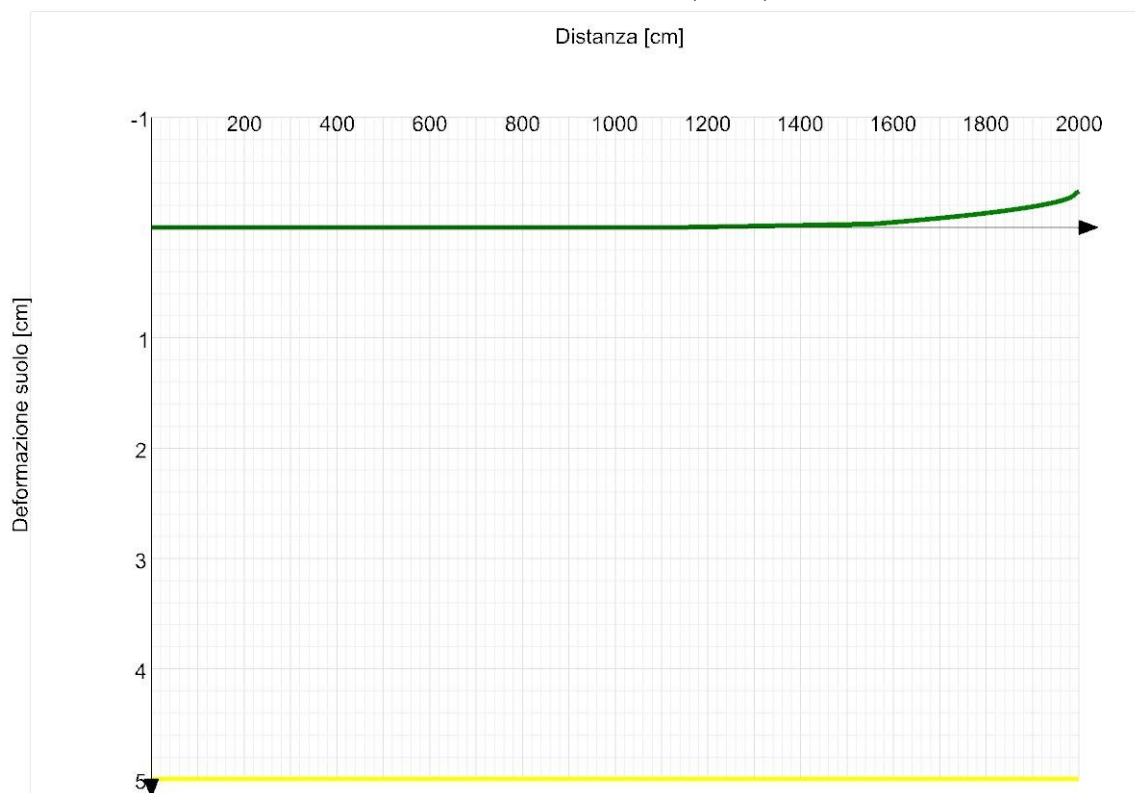
Cedimento suolo in combinazione SLDm1 1, fase 4, lato destro



Cedimento suolo in combinazione SLDm1 2, fase 4, lato destro



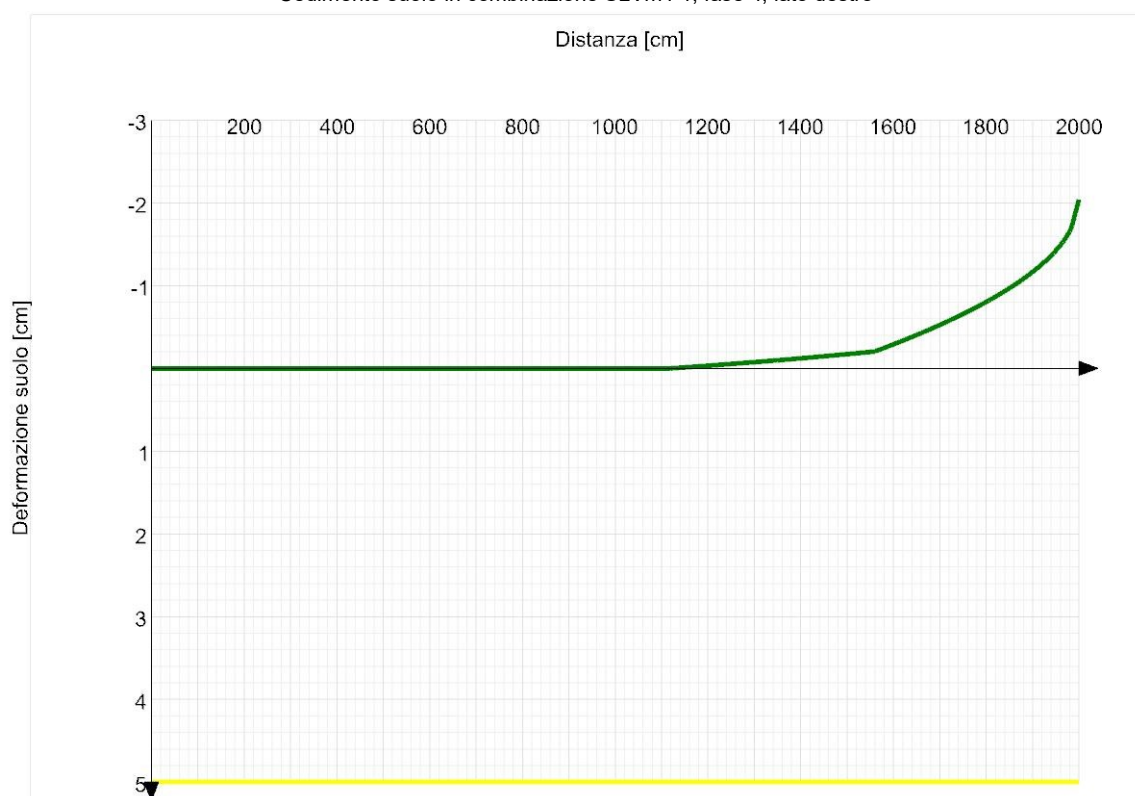
Cedimento suolo in combinazione SLDm1 3, fase 4, lato destro



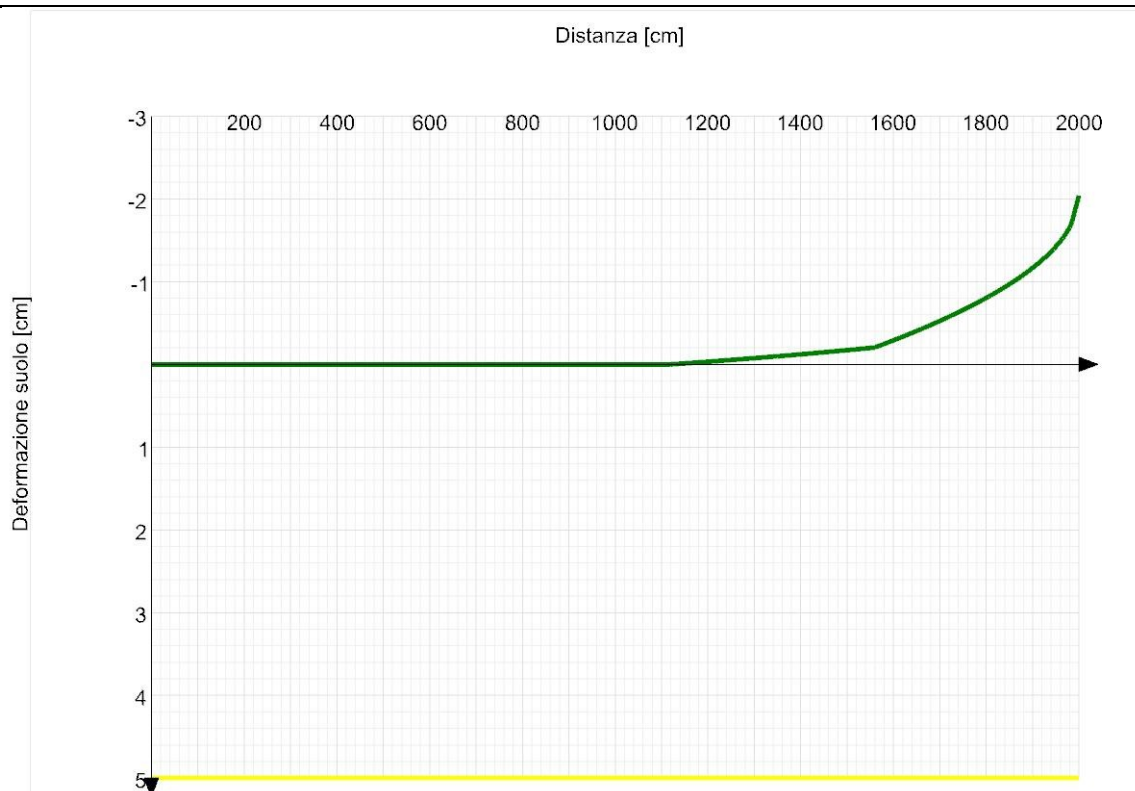
Cedimento suolo in combinazione SLDm1 4, fase 4, lato destro



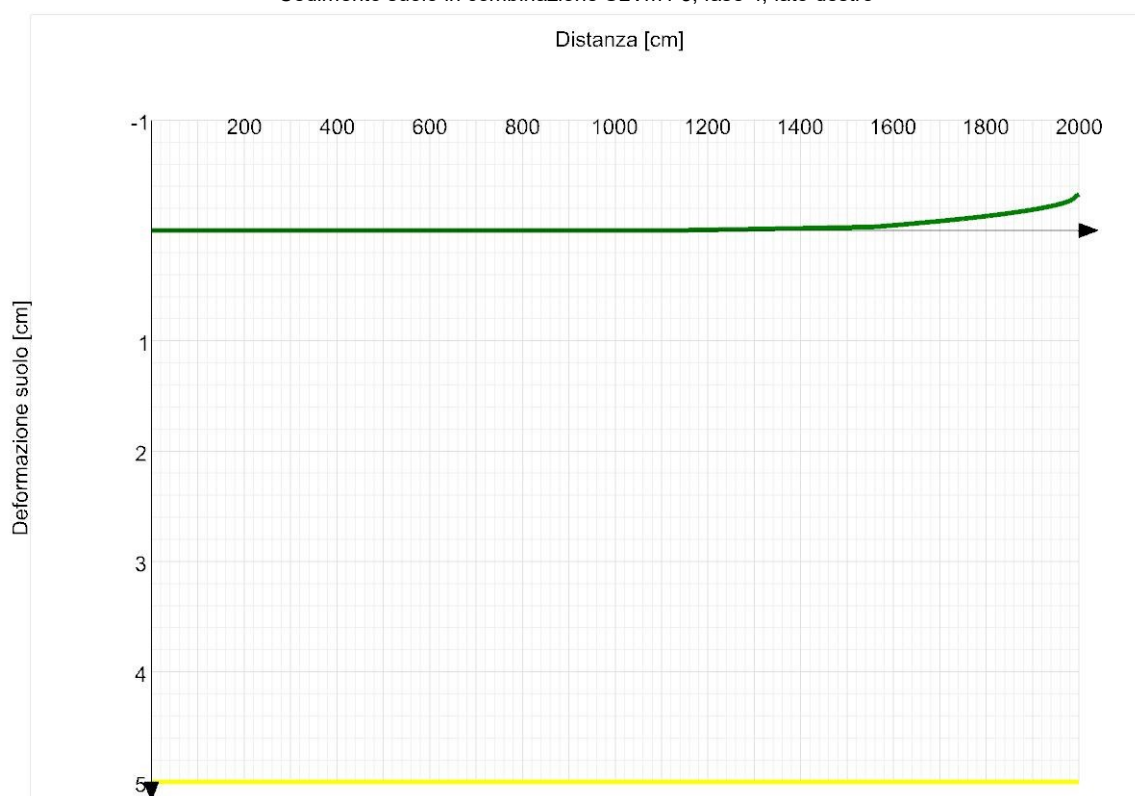
Cedimento suolo in combinazione SLVm1 1, fase 4, lato destro



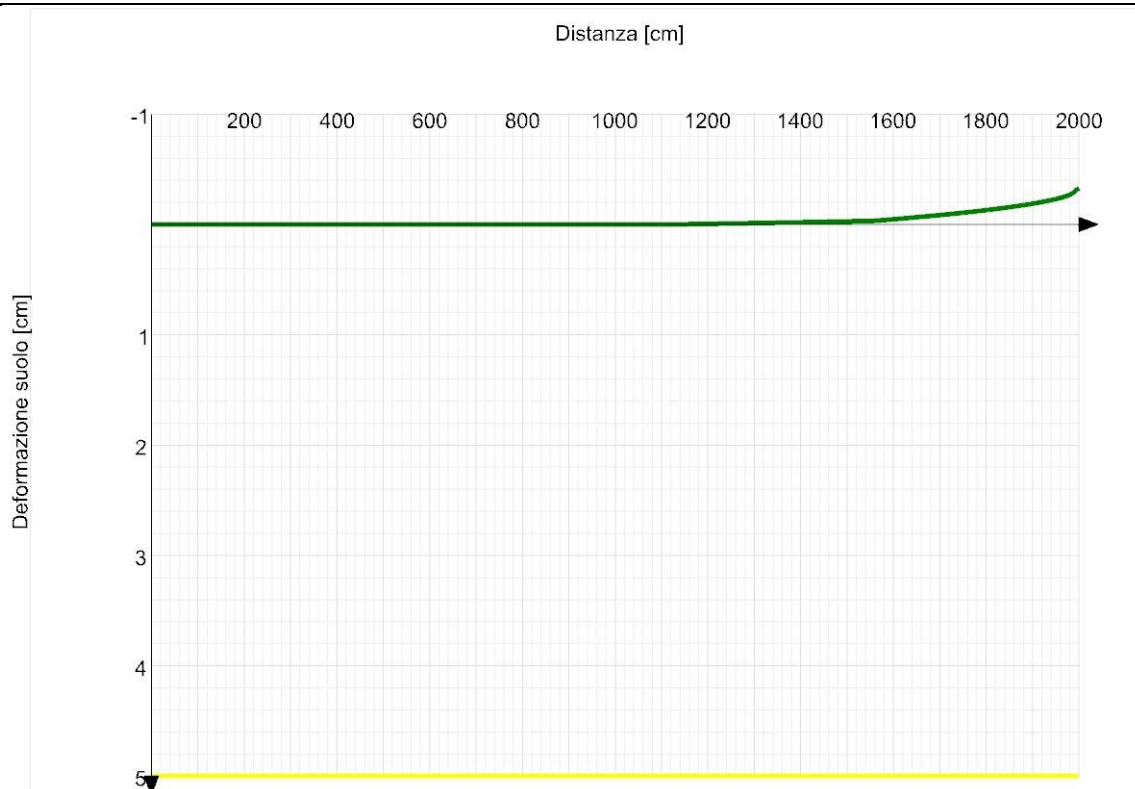
Cedimento suolo in combinazione SLVm1 2, fase 4, lato destro



Cedimento suolo in combinazione SLVm1 3, fase 4, lato destro



Cedimento suolo in combinazione SLVm1 4, fase 4, lato destro



Significato dei simboli utilizzati:

Ver: stato di verifica.

CSa: fattore di sicurezza normalizzato Cd/Ed per cedimenti assoluti.

CSd: fattore di sicurezza normalizzato Cd/Ed per cedimenti differenziali.

Stato: stato.

Cmb: combinazione di calcolo.

Stg: fase di calcolo.

CT: la paratia può traslare.

CR: la paratia può ruotare.

Traslazione X positiva: verifica alla traslazione rigida verso X positiva.

RdT+: resistenza massima disponibile per spostamento lungo X positiva. [daN]

EdT+: azioni agenti lungo X positiva. [daN]

Traslazione X negativa: verifica alla traslazione rigida verso X negativa.

RdT-: resistenza massima disponibile per spostamento lungo X negativa. [daN]

EdT-: azioni agenti lungo X negativa. [daN]

Rotazione Y positiva: verifica alla rotazione rigida attorno Y positiva.

Z+: quota del nodo di verifica con peggiore coefficiente di sicurezza.

RdR+: momento resistente massimo per rotazione attorno ad Y positiva. [daN]

EdR+: momento complessivo agente attorno ad Y positiva. [daN]

Rotazione Y negativa: verifica alla rotazione rigida attorno Y negativa.

Z-: quota del nodo di verifica con peggiore coefficiente di sicurezza.

RdR-: momento resistente massimo disponibile per rotazione attorno ad Y negativa. [daN]

EdR-: momento complessivo agente attorno ad Y negativa. [daN]

MinSF: fattore di sicurezza minimo.

CSmin: coefficiente di sicurezza minimo.

For: qualificatore della verifica peggiore.

Id: indice.

Fvb: forza verticale alla base. [daN]

Leff: larghezza efficace. [cm]

Cnd: condizione di calcolo considerata (BT o LT).

An: eventuali anomalie riscontrate nel calcolo (=-Nessuna anomalia; E=Espulsione del terreno; R=Rottura del terreno; A=Azzerramento dimensione efficace; I=Ipotesi non rispettate; S=Sollevamento della fondazione; D=Dati errati; G=Errore generico).

Coes: coesione di progetto. [daN/cm²]

Fid: angolo di attrito di progetto. [deg]

Gs: peso specifico del suolo di progetto. [daN/cm³]

Qd: sovraccarico di progetto. [daN/cm²]

ANmax: accelerazione normalizzata massima attesa al suolo.

Gmm: fattore parziale gamma M.

Rd: resistenza di progetto. [daN]

Ed: azione di progetto (sforzo normale al piano di posa). [daN]

CS: fattore di sicurezza normalizzato Rd/Ed.

N: fattore di capacità portante, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g).

q:

c:

g:

S: fattore correttivo di capacità portante per forma (shape), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g).

D: fattore correttivo di capacità portante per approfondimento (deep), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g).

P: fattore correttivo di capacità portante per punzonamento, rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g).
E: fattore correttivo di capacità portante per sisma (earthquake), rispettivamente per il termine di sovraccarico (q), coesivo (c), attritivo (g).
Contesto: contesto di verifica.
Side: lato considerato (sx o dx).
Type: tipo di profilo risultante (concavo[cv]/convesso[cvs]/speculare[spc]/parabolico[prb]).
Geometria: geometria presente nel contesto di verifica.
He: altezza a sbalzo. [cm]
Hp: altezza infissa. [cm]
d: distanza di influenza. [cm]
Spostamenti nodi: spostamenti orizzontali dei nodi paratia.
hd: spostamento orizzontale massimo. [cm]
Zhd: quota dello spostamento orizzontale massimo. [cm]
Ahd: area dovuta a spostamento orizzontale. [cm²]
Cedimenti suolo: cedimenti verticali alla superficie suolo.
ad: cedimento assoluto massimo. [cm]
Xad: posizione cedimento massimo. [cm]
dd: cedimento differenziale massimo. [cm]
Xdd: posizione cedimento differenziale massimo. [cm]

Verifiche Strutturali

Tipo di sezione: EN10219 114.3x8
Diametro di perforazione: 20
Diametro esterno del tubo: 11.43
Spessore del tubo: 0.8
Materiale del tubo: S355
fyk: 3550
Materiale dell'iniezione: C20/25
Rck: 250

Verifiche strutturali di resistenza in STR

Dati sezione						Flessione					Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/CSf	Ved	Av	rho	Vplrd	1/CSt	
0	STR 1	4	-780	0	37	0	No	No	306112	0	37	17.01	0	33200	0	ok
0	STR 2	4	-780	0	0	0	No	No	306112	0	0	17.01	0	33200	0	ok
0	STR 3	4	-600	0	37	0	No	No	306146	0	37	17.01	0	33200	0	ok
0	STR 4	4	-600	0	0	0	No	No	306146	0	0	17.01	0	33200	0	ok
20	STR 1	4	-785	-747	37	747	No	No	306111	0	37	17.01	0	33200	0	ok
20	STR 2	4	-785	0	0	0	No	No	306111	0	0	17.01	0	33200	0	ok
20	STR 3	4	-604	-747	37	747	No	No	306145	0	37	17.01	0	33200	0	ok
20	STR 4	4	-604	0	0	0	No	No	306145	0	0	17.01	0	33200	0	ok
20	STR 1	4	-785	-747	111	747	No	No	306111	0	111	17.01	0	33200	0	ok
20	STR 2	4	-785	0	0	0	No	No	306111	0	0	17.01	0	33200	0	ok
20	STR 3	4	-604	-747	111	747	No	No	306145	0	111	17.01	0	33200	0	ok
20	STR 4	4	-604	0	0	0	No	No	306145	0	0	17.01	0	33200	0	ok
40	STR 1	4	-791	-2975	111	2975	No	No	306109	0.01	111	17.01	0	33200	0	ok
40	STR 2	4	-791	1	0	1	No	No	306109	0	0	17.01	0	33200	0	ok
40	STR 3	4	-608	-2975	111	2975	No	No	306144	0.01	111	17.01	0	33200	0	ok
40	STR 4	4	-608	1	0	1	No	No	306144	0	0	17.01	0	33200	0	ok
40	STR 1	4	-1593	-2975	-377	2975	No	No	305887	0.01	377	17.01	0	33200	0.01	ok
40	STR 2	4	-791	1	0	1	No	No	306109	0	0	17.01	0	33200	0	ok
40	STR 3	4	-1411	-2975	-377	2975	No	No	305947	0.01	377	17.01	0	33200	0.01	ok
40	STR 4	4	-608	1	0	1	No	No	306144	0	0	17.01	0	33200	0	ok
60	STR 1	4	-1599	4574	-377	4574	No	No	305885	0.01	377	17.01	0	33200	0.01	ok
60	STR 2	4	-796	2	0	2	No	No	306108	0	0	17.01	0	33200	0	ok
60	STR 3	4	-1415	4574	-377	4574	No	No	305945	0.01	377	17.01	0	33200	0.01	ok
60	STR 4	4	-613	2	0	2	No	No	306144	0	0	17.01	0	33200	0	ok
60	STR 1	4	-1599	4574	-305	4574	No	No	305885	0.01	305	17.01	0	33200	0.01	ok
60	STR 2	4	-796	2	0	2	No	No	306108	0	0	17.01	0	33200	0	ok
60	STR 3	4	-1415	4574	-305	4574	No	No	305945	0.01	305	17.01	0	33200	0.01	ok
60	STR 4	4	-613	2	0	2	No	No	306144	0	0	17.01	0	33200	0	ok
80	STR 1	4	-1604	10682	-305	10682	No	No	305883	0.03	305	17.01	0	33200	0.01	ok
80	STR 2	4	-802	5	0	5	No	No	306107	0	0	17.01	0	33200	0	ok
80	STR 3	4	-1419	10681	-305	10681	No	No	305944	0.03	305	17.01	0	33200	0.01	ok
80	STR 4	4	-617	4	0	4	No	No	306143	0	0	17.01	0	33200	0	ok
80	STR 1	4	-1604	10682	-231	10682	No	No	305883	0.03	231	17.01	0	33200	0.01	ok
80	STR 2	4	-802	5	3	5	No	No	306107	0	3	17.01	0	33200	0	ok
80	STR 3	4	-1419	10681	-232	10681	No	No	305944	0.03	232	17.01	0	33200	0.01	ok
80	STR 4	4	-617	4	2	4	No	No	306143	0	2	17.01	0	33200	0	ok
100	STR 1	4	-1610	15307	-231	15307	No	No	305881	0.05	231	17.01	0	33200	0.01	ok
100	STR 2	4	-807	-52	3	52	No	No	306106	0	3	17.01	0	33200	0	ok
100	STR 3	4	-1423	15319	-232	15319	No	No	305943	0.05	232	17.01	0	33200	0.01	ok
100	STR 4	4	-621	-40	2	40	No	No	306142	0	2	17.01	0	33200	0	ok
100	STR 1	4	-1610	15307	-139	15307	No	No	305881	0.05	139	17.01	0	33200	0	ok
100	STR 2	4	-807	-52	25	52	No	No	306106	0	25	17.01	0	33200	0	ok
100	STR 3	4	-1423	15319	-145	15319	No	No	305943	0.05	145	17.01	0	33200	0	ok
100	STR 4	4	-621	-40	19	40	No	No	306142	0	19	17.01	0	33200	0	ok
120	STR 1	4	-1615	18083	-139	18083	No	No	305879	0.06	139	17.01	0	33200	0	ok
120	STR 2	4	-813	-554	25	554	No	No	306105	0	25	17.01	0	33200	0	ok
120	STR 3	4	-1428	18211	-145	18211	No	No	305941	0.06	145	17.01	0	33200	0	ok
120	STR 4	4	-625	-426	19	426	No	No	306142	0	19	17.01	0	33200	0	ok
120	STR 1	4	-1615	18083	-26	18083	No	No	305879	0.06	26	17.01	0	33200	0	ok
120	STR 2	4	-813	-554	69	554	No	No	306105	0	69	17.01	0	33200	0	ok
120	STR 3	4	-1428	18211	-42	18211	No	No	305941	0.06	42	17.01	0	33200	0	ok
120	STR 4	4	-625	-426	53	426	No	No	306142	0	53	17.01	0	33200	0	ok
140	STR 1	4	-1621	18596	-26	18596	No	No	305877	0.06	26	17.01	0	33200	0	ok
140	STR 2	4	-818	-1932	69	1932	No	No	306104	0.01	69	17.01	0	33200	0	ok
140	STR 3	4	-1432	19042	-42	19042	No	No	305940	0.06	42	17.01	0	33200	0	ok
140	STR 4	4	-629	-1486	53	1486	No	No	306141	0	53	17.01	0	33200	0	ok
140	STR 1	4	-1621	18596	108	18596	No	No	305877	0.06	108	17.01	0	33200	0	ok
140	STR 2	4	-818	-1932	134	1932	No	No	306104	0.01	134	17.01	0	33200	0	ok

Dati sezione						Flessione					Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/Csf	Ved	Av	rho	Vplrd	1/CSt	
140	STR 3	4	-1432	19042	77	19042	No	No	305940	0.06	77	17.01	0	33200	0	ok
140	STR 4	4	-629	-1486	103	1486	No	No	306141	0	103	17.01	0	33200	0	ok
160	STR 1	4	-1626	16432	108	16432	No	No	305876	0.05	108	17.01	0	33200	0	ok
160	STR 2	4	-824	-4622	134	4622	No	No	306103	0.02	134	17.01	0	33200	0	ok
160	STR 3	4	-1436	17499	77	17499	No	No	305939	0.06	77	17.01	0	33200	0	ok
160	STR 4	4	-634	-3556	103	3556	No	No	306140	0.01	103	17.01	0	33200	0	ok
160	STR 1	4	-1626	16432	263	16432	No	No	305876	0.05	263	17.01	0	33200	0.01	ok
160	STR 2	4	-824	-4622	222	4622	No	No	306103	0.02	222	17.01	0	33200	0.01	ok
160	STR 3	4	-1436	17499	212	17499	No	No	305939	0.06	212	17.01	0	33200	0.01	ok
160	STR 4	4	-634	-3556	171	3556	No	No	306140	0.01	171	17.01	0	33200	0.01	ok
180	STR 1	4	-1632	11176	263	11176	No	No	305874	0.04	263	17.01	0	33200	0.01	ok
180	STR 2	4	-829	-9057	222	9057	No	No	306101	0.03	222	17.01	0	33200	0.01	ok
180	STR 3	4	-1440	13266	212	13266	No	No	305937	0.04	212	17.01	0	33200	0.01	ok
180	STR 4	4	-638	-6967	171	6967	No	No	306139	0.02	171	17.01	0	33200	0.01	ok
180	STR 1	4	-1632	11176	438	11176	No	No	305874	0.04	438	17.01	0	33200	0.01	ok
180	STR 2	4	-829	-9057	331	9057	No	No	306101	0.03	331	17.01	0	33200	0.01	ok
180	STR 3	4	-1440	13266	362	13266	No	No	305937	0.04	362	17.01	0	33200	0.01	ok
180	STR 4	4	-638	-6967	254	6967	No	No	306139	0.02	254	17.01	0	33200	0.01	ok
200	STR 1	4	-1637	2412	438	2412	No	No	305872	0.01	438	17.01	0	33200	0.01	ok
200	STR 2	4	-835	-15670	331	15670	No	No	306100	0.05	331	17.01	0	33200	0.01	ok
200	STR 3	4	-1444	6028	362	6028	No	No	305936	0.02	362	17.01	0	33200	0.01	ok
200	STR 4	4	-642	-12054	254	12054	No	No	306139	0.04	254	17.01	0	33200	0.01	ok
200	STR 1	4	-1637	2412	634	2412	No	No	305872	0.01	634	17.01	0	33200	0.02	ok
200	STR 2	4	-835	-15670	461	15670	No	No	306100	0.05	461	17.01	0	33200	0.01	ok
200	STR 3	4	-1444	6028	528	6028	No	No	305936	0.02	528	17.01	0	33200	0.02	ok
200	STR 4	4	-642	-12054	355	12054	No	No	306139	0.04	355	17.01	0	33200	0.01	ok
220	STR 1	4	-1642	-10272	634	10272	No	No	305870	0.03	634	17.01	0	33200	0.02	ok
220	STR 2	4	-840	-24894	461	24894	No	No	306099	0.08	461	17.01	0	33200	0.01	ok
220	STR 3	4	-1449	-4528	528	4528	No	No	305935	0.01	528	17.01	0	33200	0.02	ok
220	STR 4	4	-646	-19149	355	19149	No	No	306138	0.06	355	17.01	0	33200	0.01	ok
220	STR 1	4	-1642	-10272	640	10272	No	No	305870	0.03	640	17.01	0	33200	0.02	ok
220	STR 2	4	-840	-24894	403	24894	No	No	306099	0.08	403	17.01	0	33200	0.01	ok
220	STR 3	4	-1449	-4528	547	4528	No	No	305935	0.01	547	17.01	0	33200	0.02	ok
220	STR 4	4	-646	-19149	310	19149	No	No	306138	0.06	310	17.01	0	33200	0.01	ok
240	STR 1	4	-1648	-23077	640	23077	No	No	305868	0.08	640	17.01	0	33200	0.02	ok
240	STR 2	4	-845	-32947	403	32947	No	No	306098	0.11	403	17.01	0	33200	0.01	ok
240	STR 3	4	-1453	-15474	547	15474	No	No	305933	0.05	547	17.01	0	33200	0.02	ok
240	STR 4	4	-650	-25344	310	25344	No	No	306137	0.08	310	17.01	0	33200	0.01	ok
240	STR 1	4	-1648	-23077	591	23077	No	No	305868	0.08	591	17.01	0	33200	0.02	ok
240	STR 2	4	-845	-32947	290	32947	No	No	306098	0.11	290	17.01	0	33200	0.01	ok
240	STR 3	4	-1453	-15474	524	15474	No	No	305933	0.05	524	17.01	0	33200	0.02	ok
240	STR 4	4	-650	-25344	223	25344	No	No	306137	0.08	223	17.01	0	33200	0.01	ok
260	STR 1	4	-1653	-34904	591	34904	No	No	305866	0.11	591	17.01	0	33200	0.02	ok
260	STR 2	4	-851	-38750	290	38750	No	No	306097	0.13	290	17.01	0	33200	0.01	ok
260	STR 3	4	-1457	-25962	524	25962	No	No	305932	0.08	524	17.01	0	33200	0.02	ok
260	STR 4	4	-655	-29807	223	29807	No	No	306136	0.1	223	17.01	0	33200	0.01	ok
260	STR 1	4	-1653	-34904	463	34904	No	No	305866	0.11	463	17.01	0	33200	0.01	ok
260	STR 2	4	-851	-38750	99	38750	No	No	306097	0.13	99	17.01	0	33200	0	ok
260	STR 3	4	-1457	-25962	440	25962	No	No	305932	0.08	440	17.01	0	33200	0.01	ok
260	STR 4	4	-655	-29807	76	29807	No	No	306136	0.1	76	17.01	0	33200	0	ok
280	STR 1	4	-1659	-44154	463	44154	No	No	305864	0.14	463	17.01	0	33200	0.01	ok
280	STR 2	4	-856	-40722	99	40722	No	No	306095	0.13	99	17.01	0	33200	0	ok
280	STR 3	4	-1461	-34757	440	34757	No	No	305931	0.11	440	17.01	0	33200	0.01	ok
280	STR 4	4	-659	-31324	76	31324	No	No	306135	0.1	76	17.01	0	33200	0	ok
280	STR 1	4	-1659	-44154	250	44154	No	No	305864	0.14	250	17.01	0	33200	0.01	ok
280	STR 2	4	-856	-40722	147	40722	No	No	306095	0.13	147	17.01	0	33200	0	ok
280	STR 3	4	-1461	-34757	284	34757	No	No	305931	0.11	284	17.01	0	33200	0.01	ok
280	STR 4	4	-659	-31324	-113	31324	No	No	306135	0.1	113	17.01	0	33200	0	ok
300	STR 1	4	-1664	-49152	250	49152	No	No	305862	0.16	250	17.01	0	33200	0.01	ok
300	STR 2	4	-862	-37777	-147	37777	No	No	306094	0.12	147	17.01	0	33200	0	ok
300	STR 3	4	-1465	-40434	284	40434	No	No	305929	0.13	284	17.01	0	33200	0.01	ok
300	STR 4	4	-663	-29059	-113	29059	No	No	306135	0.09	113	17.01	0	33200	0	ok
300	STR 1	4	-1664	-49152	-69	49152	No	No	305862	0.16	69	17.01	0	33200	0	ok
300	STR 2	4	-862	-37777	-300	37777	No	No	306094	0.12	300	17.01	0	33200	0.01	ok
300	STR 3	4	-1465	-40434	0	40434	No	No	305929	0.13	0	17.01	0	33200	0	ok
300	STR 4	4	-663	-29059	-231	29059	No	No	306135	0.09	231	17.01	0	33200	0.01	ok
320	STR 1	4	-1670	-47766	-69	47766	No	No	305860	0.16	69	17.01	0	33200	0	ok
320	STR 2	4	-867	-31779	-300	31779	No	No	306093	0.1	300	17.01	0	33200	0.01	ok
320	STR 3	4	-1470	-40432	0	40432	No	No	305928	0.13	0	17.01	0	33200	0	ok
320	STR 4	4	-667	-24445	-231	24445	No	No	306134	0.08	231	17.01	0	33200	0.01	ok
320	STR 1	4	-1670	-47766	-340	47766	No	No	305860	0.16	340	17.01	0	33200	0.01	ok
320	STR 2	4	-867	-31779	-367	31779	No	No	306093	0.1	367	17.01	0	33200	0.01	ok
320	STR 3	4	-1470	-40432	-255	40432	No	No	305928	0.13	255	17.01	0	33200	0.01	ok
320	STR 4	4	-667	-24445	-282	24445	No	No	306134	0.08	282	17.01	0	33200	0.01	ok
340	STR 1	4	-1675	-40968	-340	40968	No	No	305858	0.13	340	17.01	0	33200	0.01	ok
340	STR 2	4	-873	-24440	-367	24440	No	No	306092	0.08	367	17.01	0	33200	0.01	ok
340	STR 3	4	-1474	-35328	-255	35328	No	No	305927	0.12	255	17.01	0	33200	0.01	ok
340	STR 4	4	-671	-18800	-282	18800	No	No	306133	0.06	282	17.01	0	33200	0.01	ok
340	STR 1	4	-1675	-40968	-465	40968	No	No	305858	0.13	465	17.01	0	33200	0.01	ok
340	STR 2	4	-873	-24440	-365	24440	No	No	306092	0.08	365	17.01	0	33200	0.01	ok
340	STR 3	4	-1474	-35328	-381	35328	No	No	305927	0.12	381	17.01	0	33200	0.01	ok
340	STR 4	4	-671	-18800	-281	18800	No	No	306133	0.06	281	17.01	0	33200	0.01	ok
360	STR 1	4	-1681	-31662	-465	31662	No	No	305856	0.1	465	17.01	0	33200	0.01	ok
360	STR 2	4	-878	-17145	-365	17145	No	No	306091	0.06	365	17.01	0	33200	0.01	ok
360	STR 3	4	-1478	-27706	-381	27706	No	No	305925	0.09	381	17.01	0	33200	0.01	ok
360	STR 4	4	-675	-13189	-281	13189	No	No	306132	0.04	281	17.01	0	33200	0.01	ok
360	STR 1	4	-1681													

Dati sezione						Flessione					Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/CSf	Ved	Av	rho	Vplrd	1/CSst	
400	STR 3	4	-1486	-12424	-360	12424	No	No	305922	0.04	360	17.01	0	33200	0.01	ok
400	STR 4	4	-684	-4445	-193	4445	No	No	306131	0.01	193	17.01	0	33200	0.01	ok
400	STR 1	4	-1692	-13757	-325	13757	No	No	305853	0.04	325	17.01	0	33200	0.01	ok
400	STR 2	4	-889	-5778	-174	5778	No	No	306088	0.02	174	17.01	0	33200	0.01	ok
400	STR 3	4	-1486	-12424	-285	12424	No	No	305922	0.04	285	17.01	0	33200	0.01	ok
400	STR 4	4	-684	-4445	-134	4445	No	No	306131	0.01	134	17.01	0	33200	0	ok
420	STR 1	4	-1697	-7254	-325	7254	No	No	305851	0.02	325	17.01	0	33200	0.01	ok
420	STR 2	4	-895	-2306	-174	2306	No	No	306087	0.01	174	17.01	0	33200	0.01	ok
420	STR 3	4	-1491	-6722	-285	6722	No	No	305921	0.02	285	17.01	0	33200	0.01	ok
420	STR 4	4	-688	-1774	-134	1774	No	No	306130	0.01	134	17.01	0	33200	0	ok
420	STR 1	4	-1697	-7254	-223	7254	No	No	305851	0.02	223	17.01	0	33200	0.01	ok
420	STR 2	4	-895	-2306	-97	2306	No	No	306087	0.01	97	17.01	0	33200	0	ok
420	STR 3	4	-1491	-6722	-200	6722	No	No	305921	0.02	200	17.01	0	33200	0.01	ok
420	STR 4	4	-688	-1774	-75	1774	No	No	306130	0.01	75	17.01	0	33200	0	ok
440	STR 1	4	-1702	-2799	-223	2799	No	No	305849	0.01	223	17.01	0	33200	0.01	ok
440	STR 2	4	-900	-362	-97	362	No	No	306086	0	97	17.01	0	33200	0	ok
440	STR 3	4	-1495	-2716	-200	2716	No	No	305920	0.01	200	17.01	0	33200	0.01	ok
440	STR 4	4	-692	-278	-75	278	No	No	306129	0	75	17.01	0	33200	0	ok
440	STR 1	4	-1702	-2799	-122	2799	No	No	305849	0.01	122	17.01	0	33200	0	ok
440	STR 2	4	-900	-362	-41	362	No	No	306086	0	41	17.01	0	33200	0	ok
440	STR 3	4	-1495	-2716	-113	2716	No	No	305920	0.01	113	17.01	0	33200	0	ok
440	STR 4	4	-692	-278	-31	278	No	No	306129	0	31	17.01	0	33200	0	ok
460	STR 1	4	-1708	-351	-122	351	No	No	305847	0	122	17.01	0	33200	0	ok
460	STR 2	4	-905	450	-41	450	No	No	306084	0	41	17.01	0	33200	0	ok
460	STR 3	4	-1499	-454	-113	454	No	No	305918	0	113	17.01	0	33200	0	ok
460	STR 4	4	-696	346	-31	346	No	No	306128	0	31	17.01	0	33200	0	ok
460	STR 1	4	-1708	-351	-49	351	No	No	305847	0	49	17.01	0	33200	0	ok
460	STR 2	4	-905	450	-7	450	No	No	306084	0	7	17.01	0	33200	0	ok
460	STR 3	4	-1499	-454	-48	454	No	No	305918	0	48	17.01	0	33200	0	ok
460	STR 4	4	-696	346	-5	346	No	No	306128	0	5	17.01	0	33200	0	ok
480	STR 1	4	-1713	634	-49	634	No	No	305845	0	49	17.01	0	33200	0	ok
480	STR 2	4	-911	589	-7	589	No	No	306083	0	7	17.01	0	33200	0	ok
480	STR 3	4	-1503	499	-48	499	No	No	305917	0	48	17.01	0	33200	0	ok
480	STR 4	4	-701	453	-5	453	No	No	306128	0	5	17.01	0	33200	0	ok
480	STR 1	4	-1713	634	-7	634	No	No	305845	0	7	17.01	0	33200	0	ok
480	STR 2	4	-911	589	8	589	No	No	306083	0	8	17.01	0	33200	0	ok
480	STR 3	4	-1503	499	-9	499	No	No	305917	0	9	17.01	0	33200	0	ok
480	STR 4	4	-701	453	6	453	No	No	306128	0	6	17.01	0	33200	0	ok
500	STR 1	4	-1719	770	-7	770	No	No	305843	0	7	17.01	0	33200	0	ok
500	STR 2	4	-916	422	8	422	No	No	306082	0	8	17.01	0	33200	0	ok
500	STR 3	4	-1507	672	-9	672	No	No	305916	0	9	17.01	0	33200	0	ok
500	STR 4	4	-705	325	6	325	No	No	306127	0	6	17.01	0	33200	0	ok
500	STR 1	4	-1719	770	12	770	No	No	305843	0	12	17.01	0	33200	0	ok
500	STR 2	4	-916	422	12	422	No	No	306082	0	12	17.01	0	33200	0	ok
500	STR 3	4	-1507	672	9	672	No	No	305916	0	9	17.01	0	33200	0	ok
500	STR 4	4	-705	325	9	325	No	No	306127	0	9	17.01	0	33200	0	ok
520	STR 1	4	-1724	540	12	540	No	No	305841	0	12	17.01	0	33200	0	ok
520	STR 2	4	-922	186	12	186	No	No	306081	0	12	17.01	0	33200	0	ok
520	STR 3	4	-1512	497	9	497	No	No	305914	0	9	17.01	0	33200	0	ok
520	STR 4	4	-709	143	9	143	No	No	306126	0	9	17.01	0	33200	0	ok
520	STR 1	4	-1724	540	14	540	No	No	305841	0	14	17.01	0	33200	0	ok
520	STR 2	4	-922	186	9	186	No	No	306081	0	9	17.01	0	33200	0	ok
520	STR 3	4	-1512	497	12	497	No	No	305914	0	12	17.01	0	33200	0	ok
520	STR 4	4	-709	143	7	143	No	No	306126	0	7	17.01	0	33200	0	ok
540	STR 1	4	-1730	252	14	252	No	No	305839	0	14	17.01	0	33200	0	ok
540	STR 2	4	-927	7	9	7	No	No	306079	0	9	17.01	0	33200	0	ok
540	STR 3	4	-1516	251	12	251	No	No	305913	0	12	17.01	0	33200	0	ok
540	STR 4	4	-713	5	7	5	No	No	306125	0	7	17.01	0	33200	0	ok
540	STR 1	4	-1730	252	9	252	No	No	305839	0	9	17.01	0	33200	0	ok
540	STR 2	4	-927	7	3	7	No	No	306079	0	3	17.01	0	33200	0	ok
540	STR 3	4	-1516	251	8	251	No	No	305913	0	8	17.01	0	33200	0	ok
540	STR 4	4	-713	5	2	5	No	No	306125	0	2	17.01	0	33200	0	ok
560	STR 1	4	-1735	77	9	77	No	No	305837	0	9	17.01	0	33200	0	ok
560	STR 2	4	-933	-53	3	53	No	No	306078	0	3	17.01	0	33200	0	ok
560	STR 3	4	-1520	89	8	89	No	No	305911	0	8	17.01	0	33200	0	ok
560	STR 4	4	-717	-40	2	40	No	No	306124	0	2	17.01	0	33200	0	ok
560	STR 1	4	-1735	77	-1	77	No	No	305837	0	1	17.01	0	33200	0	ok
560	STR 2	4	-933	-53	-5	53	No	No	306078	0	5	17.01	0	33200	0	ok
560	STR 3	4	-1520	89	0	89	No	No	305911	0	0	17.01	0	33200	0	ok
560	STR 4	4	-717	-40	-4	40	No	No	306124	0	4	17.01	0	33200	0	ok
580	STR 1	4	-1741	103	-1	103	No	No	305835	0	1	17.01	0	33200	0	ok
580	STR 2	4	-938	49	-5	49	No	No	306077	0	5	17.01	0	33200	0	ok
580	STR 3	4	-1524	92	0	92	No	No	305910	0	0	17.01	0	33200	0	ok
580	STR 4	4	-722	38	-4	38	No	No	306123	0	4	17.01	0	33200	0	ok
580	STR 1	4	-1741	103	-14	103	No	No	305835	0	14	17.01	0	33200	0	ok
580	STR 2	4	-938	49	-15	49	No	No	306077	0	15	17.01	0	33200	0	ok
580	STR 3	4	-1524	92	-10	92	No	No	305910	0	10	17.01	0	33200	0	ok
580	STR 4	4	-722	38	-11	38	No	No	306123	0	11	17.01	0	33200	0	ok
600	STR 1	4	-1746	378	-14	378	No	No	305833	0	14	17.01	0	33200	0	ok
600	STR 2	4	-944	347	-15	347	No	No	306075	0	15	17.01	0	33200	0	ok
600	STR 3	4	-1528	298	-10	298	No	No	305909	0	10	17.01	0	33200	0	ok
600	STR 4	4	-726	267	-11	267	No	No	306123	0	11	17.01	0	33200	0	ok
600	STR 1	4	-1746	378	-26	378	No	No	305833	0	26	17.01	0	33200	0	ok
600	STR 2	4	-944	347	-25	347	No	No	306075	0	25	17.01	0	33200	0	ok
600	STR 3	4	-1528	298	-20	298	No	No	305909	0	20	17.01	0	33200	0	ok
600	STR 4	4	-726	267	-19	267	No	No	306123	0	19	17.01	0	33200	0	ok
620	STR 1	4	-1752	901	-26	901	No	No	305831	0	26	17.01	0	33200	0	ok
620	STR 2	4	-949	845	-25	845	No	No	306074	0	25	17.01	0	33200	0	ok
620	STR 3	4	-1533	706	-20	706	No	No	305907	0	20	17.01	0	33200	0	ok
620	STR 4	4	-730	650	-19	650	No	No	306122	0	19	17.01	0	33200	0	ok
620	STR 1	4	-1752	901	-32	901	No	No	305831	0	32	17.01	0	33200	0	ok
620	STR 2	4	-949	845	-29	845	No	No	306074	0	29	17.01	0	33200	0	ok
620	STR 3	4	-1533	706	-25	706	No	No	305907	0	25	17.01	0	33200		

Dati sezione						Flessione					Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/CSf	Ved	Av	rho	Vplrd	1/CSst	
640	STR 3	4	-1537	1212	-13	1212	No	No	305906	0	13	17.01	0	33200	0	ok
640	STR 4	4	-734	1100	-11	1100	No	No	306121	0	11	17.01	0	33200	0	ok
660	STR 1	4	-1762	1872	-16	1872	No	No	305827	0.01	16	17.01	0	33200	0	ok
660	STR 2	4	-960	1712	-14	1712	No	No	306072	0.01	14	17.01	0	33200	0	ok
660	STR 3	4	-1541	1477	-13	1477	No	No	305904	0	13	17.01	0	33200	0	ok
660	STR 4	4	-738	1317	-11	1317	No	No	306120	0	11	17.01	0	33200	0	ok
660	STR 1	4	-1762	1872	47	1872	No	No	305827	0.01	47	17.01	0	33200	0	ok
660	STR 2	4	-960	1712	45	1712	No	No	306072	0.01	45	17.01	0	33200	0	ok
660	STR 3	4	-1541	1477	37	1477	No	No	305904	0	37	17.01	0	33200	0	ok
660	STR 4	4	-738	1317	35	1317	No	No	306120	0	35	17.01	0	33200	0	ok
680	STR 1	4	-1768	929	47	929	No	No	305825	0	47	17.01	0	33200	0	ok
680	STR 2	4	-965	810	45	810	No	No	306070	0	45	17.01	0	33200	0	ok
680	STR 3	4	-1545	742	37	742	No	No	305903	0	37	17.01	0	33200	0	ok
680	STR 4	4	-743	623	35	623	No	No	306119	0	35	17.01	0	33200	0	ok
680	STR 1	4	-1768	929	194	929	No	No	305825	0	194	17.01	0	33200	0.01	ok
680	STR 2	4	-965	810	181	810	No	No	306070	0	181	17.01	0	33200	0.01	ok
680	STR 3	4	-1545	742	152	742	No	No	305903	0	152	17.01	0	33200	0	ok
680	STR 4	4	-743	623	139	623	No	No	306119	0	139	17.01	0	33200	0	ok
700	STR 1	4	-1773	-2952	194	2952	No	No	305823	0.01	194	17.01	0	33200	0.01	ok
700	STR 2	4	-971	-2801	181	2801	No	No	306069	0.01	181	17.01	0	33200	0.01	ok
700	STR 3	4	-1549	-2305	152	2305	No	No	305902	0.01	152	17.01	0	33200	0	ok
700	STR 4	4	-747	-2155	139	2155	No	No	306119	0.01	139	17.01	0	33200	0	ok
700	STR 1	4	-1773	-2952	-18	2952	No	No	305823	0.01	18	17.01	0	33200	0	ok
700	STR 2	4	-971	-2801	-26	2801	No	No	306069	0.01	26	17.01	0	33200	0	ok
700	STR 3	4	-1549	-2305	-12	2305	No	No	305902	0.01	12	17.01	0	33200	0	ok
700	STR 4	4	-747	-2155	-20	2155	No	No	306119	0.01	20	17.01	0	33200	0	ok
720	STR 1	4	-1779	-2592	-18	2592	No	No	305821	0.01	18	17.01	0	33200	0	ok
720	STR 2	4	-976	-2289	-26	2289	No	No	306068	0.01	26	17.01	0	33200	0	ok
720	STR 3	4	-1553	-2064	-12	2064	No	No	305900	0.01	12	17.01	0	33200	0	ok
720	STR 4	4	-751	-1761	-20	1761	No	No	306118	0.01	20	17.01	0	33200	0	ok
720	STR 1	4	-1779	-2592	-71	2592	No	No	305821	0.01	71	17.01	0	33200	0	ok
720	STR 2	4	-976	-2289	-65	2289	No	No	306068	0.01	65	17.01	0	33200	0	ok
720	STR 3	4	-1553	-2064	-56	2064	No	No	305900	0.01	56	17.01	0	33200	0	ok
720	STR 4	4	-751	-1761	-50	1761	No	No	306118	0.01	50	17.01	0	33200	0	ok
740	STR 1	4	-1784	-1167	-71	1167	No	No	305819	0	71	17.01	0	33200	0	ok
740	STR 2	4	-982	-991	-65	991	No	No	306066	0	65	17.01	0	33200	0	ok
740	STR 3	4	-1558	-938	-56	938	No	No	305899	0	56	17.01	0	33200	0	ok
740	STR 4	4	-755	-762	-50	762	No	No	306117	0	50	17.01	0	33200	0	ok
740	STR 1	4	-1784	-1167	-45	1167	No	No	305819	0	45	17.01	0	33200	0	ok
740	STR 2	4	-982	-991	-39	991	No	No	306066	0	39	17.01	0	33200	0	ok
740	STR 3	4	-1558	-938	-36	938	No	No	305899	0	36	17.01	0	33200	0	ok
740	STR 4	4	-755	-762	-30	762	No	No	306117	0	30	17.01	0	33200	0	ok
760	STR 1	4	-1790	-274	-45	274	No	No	305817	0	45	17.01	0	33200	0	ok
760	STR 2	4	-987	-215	-39	215	No	No	306065	0	39	17.01	0	33200	0	ok
760	STR 3	4	-1562	-224	-36	224	No	No	305897	0	36	17.01	0	33200	0	ok
760	STR 4	4	-759	-165	-30	165	No	No	306116	0	30	17.01	0	33200	0	ok
760	STR 1	4	-1790	-274	-16	274	No	No	305817	0	16	17.01	0	33200	0	ok
760	STR 2	4	-987	-215	-13	215	No	No	306065	0	13	17.01	0	33200	0	ok
760	STR 3	4	-1562	-224	-13	224	No	No	305897	0	13	17.01	0	33200	0	ok
760	STR 4	4	-759	-165	-10	165	No	No	306116	0	10	17.01	0	33200	0	ok
780	STR 1	4	-1795	42	-16	42	No	No	305815	0	16	17.01	0	33200	0	ok
780	STR 2	4	-993	48	-13	48	No	No	306064	0	13	17.01	0	33200	0	ok
780	STR 3	4	-1566	31	-13	31	No	No	305896	0	13	17.01	0	33200	0	ok
780	STR 4	4	-764	37	-10	37	No	No	306115	0	10	17.01	0	33200	0	ok
780	STR 1	4	-1795	42	-2	42	No	No	305815	0	2	17.01	0	33200	0	ok
780	STR 2	4	-993	48	-1	48	No	No	306064	0	1	17.01	0	33200	0	ok
780	STR 3	4	-1566	31	-1	31	No	No	305896	0	1	17.01	0	33200	0	ok
780	STR 4	4	-764	37	-1	37	No	No	306115	0	1	17.01	0	33200	0	ok
800	STR 1	4	-1801	77	-2	77	No	No	305813	0	2	17.01	0	33200	0	ok
800	STR 2	4	-998	70	-1	70	No	No	306062	0	1	17.01	0	33200	0	ok
800	STR 3	4	-1570	61	-1	61	No	No	305895	0	1	17.01	0	33200	0	ok
800	STR 4	4	-768	54	-1	54	No	No	306114	0	1	17.01	0	33200	0	ok
800	STR 1	4	-1801	77	2	77	No	No	305813	0	2	17.01	0	33200	0	ok
800	STR 2	4	-998	70	2	70	No	No	306062	0	2	17.01	0	33200	0	ok
800	STR 3	4	-1570	61	1	61	No	No	305895	0	1	17.01	0	33200	0	ok
800	STR 4	4	-768	54	1	54	No	No	306114	0	1	17.01	0	33200	0	ok
820	STR 1	4	-1806	40	2	40	No	No	305811	0	2	17.01	0	33200	0	ok
820	STR 2	4	-1004	35	2	35	No	No	306061	0	2	17.01	0	33200	0	ok
820	STR 3	4	-1574	32	1	32	No	No	305893	0	1	17.01	0	33200	0	ok
820	STR 4	4	-772	27	1	27	No	No	306113	0	1	17.01	0	33200	0	ok
820	STR 1	4	-1806	40	2	40	No	No	305811	0	2	17.01	0	33200	0	ok
820	STR 2	4	-1004	35	1	35	No	No	306061	0	1	17.01	0	33200	0	ok
820	STR 3	4	-1574	32	1	32	No	No	305893	0	1	17.01	0	33200	0	ok
820	STR 4	4	-772	27	1	27	No	No	306113	0	1	17.01	0	33200	0	ok
840	STR 1	4	-1812	8	2	8	No	No	305809	0	2	17.01	0	33200	0	ok
840	STR 2	4	-1009	7	1	7	No	No	306060	0	1	17.01	0	33200	0	ok
840	STR 3	4	-1579	7	1	7	No	No	305892	0	1	17.01	0	33200	0	ok
840	STR 4	4	-776	5	1	5	No	No	306113	0	1	17.01	0	33200	0	ok
840	STR 1	4	-1812	8	1	8	No	No	305809	0	1	17.01	0	33200	0	ok
840	STR 2	4	-1009	7	1	7	No	No	306060	0	1	17.01	0	33200	0	ok
840	STR 3	4	-1579	7	1	7	No	No	305892	0	1	17.01	0	33200	0	ok
840	STR 4	4	-776	5	0	5	No	No	306113	0	0	17.01	0	33200	0	ok
860	STR 1	4	-1817	-4	1	4	No	No	305807	0	1	17.01	0	33200	0	ok
860	STR 2	4	-1014	-4	1	4	No	No	306058	0	1	17.01	0	33200	0	ok
860	STR 3	4	-1583	-4	1	4	No	No	305890	0	1	17.01	0	33200	0	ok
860	STR 4	4	-780	-3	0	3	No	No	306112	0	0	17.01	0	33200	0	ok
860	STR 1	4	-1817	-4	0	4	No	No	305807	0	0	17.01	0	33200	0	ok
860	STR 2	4	-1014	-4	0	4	No	No	306058	0	0	17.01	0	33200	0	ok
860	STR 3	4	-1583	-4	0	4	No	No	305890	0	0	17.01	0	33200	0	ok
860	STR 4	4	-780	-3	0	3	No	No	306112	0	0	17.01	0	33200	0	ok
880	STR 1	4	-1822	-7	0	7	No	No	305805	0	0	17.01	0	33200	0	ok
880	STR 2	4	-1020	-5	0	5	No	No	306057	0	0	17.01	0	33200	0	ok
880	STR 3	4	-1587	-5	0	5	No	No	305889	0	0	17.01	0	33200		

Dati sezione						Flessione					Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/CSf	Ved	Av	rho	Vplrd	1/CSt	
900	STR 3	4	-1591	-4	0	4	No	No	305888	0	0	17.01	0	33200	0	ok
900	STR 4	4	-789	-3	0	3	No	No	306110	0	0	17.01	0	33200	0	ok
900	STR 1	4	-1828	-6	0	6	No	No	305803	0	0	17.01	0	33200	0	ok
900	STR 2	4	-1025	-4	0	4	No	No	306055	0	0	17.01	0	33200	0	ok
900	STR 3	4	-1591	-4	0	4	No	No	305888	0	0	17.01	0	33200	0	ok
900	STR 4	4	-789	-3	0	3	No	No	306110	0	0	17.01	0	33200	0	ok
920	STR 1	4	-1833	-4	0	4	No	No	305801	0	0	17.01	0	33200	0	ok
920	STR 2	4	-1031	-3	0	3	No	No	306054	0	0	17.01	0	33200	0	ok
920	STR 3	4	-1595	-4	0	4	No	No	305886	0	0	17.01	0	33200	0	ok
920	STR 4	4	-793	-3	0	3	No	No	306109	0	0	17.01	0	33200	0	ok
920	STR 1	4	-1833	-4	0	4	No	No	305801	0	0	17.01	0	33200	0	ok
920	STR 2	4	-1031	-3	0	3	No	No	306054	0	0	17.01	0	33200	0	ok
920	STR 3	4	-1595	-4	0	4	No	No	305886	0	0	17.01	0	33200	0	ok
920	STR 4	4	-793	-3	0	3	No	No	306109	0	0	17.01	0	33200	0	ok
940	STR 1	4	-1839	-4	0	4	No	No	305799	0	0	17.01	0	33200	0	ok
940	STR 2	4	-1036	-3	0	3	No	No	306053	0	0	17.01	0	33200	0	ok
940	STR 3	4	-1600	-3	0	3	No	No	305885	0	0	17.01	0	33200	0	ok
940	STR 4	4	-797	-2	0	2	No	No	306108	0	0	17.01	0	33200	0	ok
940	STR 1	4	-1839	-4	0	4	No	No	305799	0	0	17.01	0	33200	0	ok
940	STR 2	4	-1036	-3	0	3	No	No	306053	0	0	17.01	0	33200	0	ok
940	STR 3	4	-1600	-3	0	3	No	No	305885	0	0	17.01	0	33200	0	ok
940	STR 4	4	-797	-2	0	2	No	No	306108	0	0	17.01	0	33200	0	ok
960	STR 1	4	-1844	-3	0	3	No	No	305797	0	0	17.01	0	33200	0	ok
960	STR 2	4	-1042	-2	0	2	No	No	306051	0	0	17.01	0	33200	0	ok
960	STR 3	4	-1604	-3	0	3	No	No	305883	0	0	17.01	0	33200	0	ok
960	STR 4	4	-801	-2	0	2	No	No	306107	0	0	17.01	0	33200	0	ok
960	STR 1	4	-1844	-3	0	3	No	No	305797	0	0	17.01	0	33200	0	ok
960	STR 2	4	-1042	-2	0	2	No	No	306051	0	0	17.01	0	33200	0	ok
960	STR 3	4	-1604	-3	0	3	No	No	305883	0	0	17.01	0	33200	0	ok
960	STR 4	4	-801	-2	0	2	No	No	306107	0	0	17.01	0	33200	0	ok
980	STR 1	4	-1850	-2	0	2	No	No	305794	0	0	17.01	0	33200	0	ok
980	STR 2	4	-1047	-1	0	1	No	No	306050	0	0	17.01	0	33200	0	ok
980	STR 3	4	-1608	-2	0	2	No	No	305882	0	0	17.01	0	33200	0	ok
980	STR 4	4	-806	-1	0	1	No	No	306106	0	0	17.01	0	33200	0	ok
980	STR 1	4	-1850	-2	0	2	No	No	305794	0	0	17.01	0	33200	0	ok
980	STR 2	4	-1047	-1	0	1	No	No	306050	0	0	17.01	0	33200	0	ok
980	STR 3	4	-1608	-2	0	2	No	No	305882	0	0	17.01	0	33200	0	ok
980	STR 4	4	-806	-1	0	1	No	No	306106	0	0	17.01	0	33200	0	ok
1000	STR 1	4	-1855	0	0	0	No	No	305792	0	0	17.01	0	33200	0	ok
1000	STR 2	4	-1053	0	0	0	No	No	306049	0	0	17.01	0	33200	0	ok
1000	STR 3	4	-1612	0	0	0	No	No	305880	0	0	17.01	0	33200	0	ok
1000	STR 4	4	-810	0	0	0	No	No	306105	0	0	17.01	0	33200	0	ok

Verifiche strutturali di resistenza in SLVm1

Dati sezione						Flessione					Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/CSf	Ved	Av	rho	Vplrd	1/CSt	
0	SLVm1 1	4	-600	0	122	0	No	No	223013	0	122	17.01	0	33200	0	ok
0	SLVm1 2	4	-600	0	122	0	No	No	223013	0	122	17.01	0	33200	0	ok
0	SLVm1 3	4	-600	0	0	0	No	No	223013	0	0	17.01	0	33200	0	ok
0	SLVm1 4	4	-600	0	0	0	No	No	223013	0	0	17.01	0	33200	0	ok
20	SLVm1 1	4	-604	-2449	122	2449	No	No	223003	0.01	122	17.01	0	33200	0	ok
20	SLVm1 2	4	-604	-2449	122	2449	No	No	223003	0.01	122	17.01	0	33200	0	ok
20	SLVm1 3	4	-604	0	0	0	No	No	223003	0	0	17.01	0	33200	0	ok
20	SLVm1 4	4	-604	0	0	0	No	No	223003	0	0	17.01	0	33200	0	ok
20	SLVm1 1	4	-604	-2449	367	2449	No	No	223003	0.01	367	17.01	0	33200	0.01	ok
20	SLVm1 2	4	-604	-2449	367	2449	No	No	223003	0.01	367	17.01	0	33200	0.01	ok
20	SLVm1 3	4	-604	0	0	0	No	No	223003	0	0	17.01	0	33200	0	ok
20	SLVm1 4	4	-604	0	0	0	No	No	223003	0	0	17.01	0	33200	0	ok
40	SLVm1 1	4	-608	-9783	367	9783	No	No	222992	0.04	367	17.01	0	33200	0.01	ok
40	SLVm1 2	4	-608	-9783	367	9783	No	No	222992	0.04	367	17.01	0	33200	0.01	ok
40	SLVm1 3	4	-608	1	0	1	No	No	222992	0	0	17.01	0	33200	0	ok
40	SLVm1 4	4	-608	1	0	1	No	No	222992	0	0	17.01	0	33200	0	ok
40	SLVm1 1	4	-3950	-9783	-1730	9783	No	No	214687	0.05	1730	17.01	0	33200	0.05	ok
40	SLVm1 2	4	-3950	-9783	-1730	9783	No	No	214687	0.05	1730	17.01	0	33200	0.05	ok
40	SLVm1 3	4	-696	1	-62	1	No	No	222774	0	62	17.01	0	33200	0	ok
40	SLVm1 4	4	-696	1	-62	1	No	No	222774	0	62	17.01	0	33200	0	ok
60	SLVm1 1	4	-3954	24809	-1730	24809	No	No	214677	0.12	1730	17.01	0	33200	0.05	ok
60	SLVm1 2	4	-3954	24809	-1730	24809	No	No	214677	0.12	1730	17.01	0	33200	0.05	ok
60	SLVm1 3	4	-700	1231	-62	1231	No	No	222764	0.01	62	17.01	0	33200	0	ok
60	SLVm1 4	4	-700	1231	-62	1231	No	No	222764	0.01	62	17.01	0	33200	0	ok
60	SLVm1 1	4	-3954	24809	-1487	24809	No	No	214677	0.12	1487	17.01	0	33200	0.04	ok
60	SLVm1 2	4	-3954	24809	-1487	24809	No	No	214677	0.12	1487	17.01	0	33200	0.04	ok
60	SLVm1 3	4	-700	1231	-62	1231	No	No	222764	0.01	62	17.01	0	33200	0	ok
60	SLVm1 4	4	-700	1231	-62	1231	No	No	222764	0.01	62	17.01	0	33200	0	ok
80	SLVm1 1	4	-3958	54546	-1487	54546	No	No	214666	0.25	1487	17.01	0	33200	0.04	ok
80	SLVm1 2	4	-3958	54546	-1487	54546	No	No	214666	0.25	1487	17.01	0	33200	0.04	ok
80	SLVm1 3	4	-705	2463	-62	2463	No	No	222753	0.01	62	17.01	0	33200	0	ok
80	SLVm1 4	4	-705	2463	-62	2463	No	No	222753	0.01	62	17.01	0	33200	0	ok
80	SLVm1 1	4	-3958	54546	-1243	54546	No	No	214666	0.25	1243	17.01	0	33200	0.04	ok
80	SLVm1 2	4	-3958	54546	-1243	54546	No	No	214666	0.25	1243	17.01	0	33200	0.04	ok
80	SLVm1 3	4	-705	2463	-59	2463	No	No	222753	0.01	59	17.01	0	33200	0	ok
80	SLVm1 4	4	-705	2463	-59	2463	No	No	222753	0.01	59	17.01	0	33200	0	ok
100	SLVm1 1	4	-3963	79398	-1243	79398	No	No	214656	0.37	1243	17.01	0	33200	0.04	ok
100	SLVm1 2	4	-3963	79398	-1243	79398	No	No	214656	0.37	1243	17.01	0	33200	0.04	ok
100	SLVm1 3	4	-709	3649	-59	3649	No	No	222743	0.02	59	17.01	0	33200	0	ok
100	SLVm1 4	4	-709	3649	-59	3649	No	No	222743	0.02	59	17.01	0	33200	0	ok
100	SLVm1 1	4	-3963	79398	-984	79398	No	No	214656	0.37	984	17.01	0	33200	0.03	ok
100	SLVm1 2	4	-3963	79398	-984	79398	No	No	214656	0.37	984	17.01	0	33200	0.03	ok
100	SLVm1 3	4	-709	3649	-42	3649	No	No	222743	0.02	42	17.01	0	33200	0	ok
100	SLVm1 4	4	-709	3649	-42	3649	No	No	222743	0.02	42	17.01	0	33200	0	ok
120	SLVm1 1	4	-3967	99084	-984	99084	No	No	214645	0.46	984	17.01	0	33200	0.03	ok
120	SLVm1 2	4	-3967	99084	-984	99084	No	No	214645	0.46	984	17.01	0	33200	0.03	ok
120	SLVm1 3	4	-713	4493	-42	4493	No	No	222733	0.02	42	17.01	0	33200	0	ok
120	SLVm1 4	4	-713	4493	-42	4493	No	No	222733	0.02	42	17.01	0	33200	0	ok
120	SLVm1 1	4	-3967	99084	-710	99084	No	No	214645	0.46	710	17.01	0	33200	0.02	ok
120	SLVm1 2	4	-3967	99084	-710	99084	No	No	214645	0.46	710	17.01	0	33200	0.02	ok
120	SLVm1 3	4	-713	4493	-8	4493	No	No	222733	0.02	8	17.01	0	33200	0	ok
120	SLVm1 4	4	-713	4493	-8	4493	No	No	222733	0.02	8	17.01	0	33200	0	ok
140	SLVm1 1	4	-3971	113287	-710	113287	No	No	214635	0.53	710	17.01	0	33200	0.02	ok

Dati sezione						Flessione						Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/Csf	Ved	Av	rho	Vplrd	1/CSt		
140	SLVml 2	4	-3971	113287	-710	113287	No	No	214635	0.53	710	17.01	0	33200	0.02	ok	
140	SLVml 3	4	-717	4662	-8	4662	No	No	222722	0.02	8	17.01	0	33200	0	ok	
140	SLVml 4	4	-717	4662	-8	4662	No	No	222722	0.02	8	17.01	0	33200	0	ok	
140	SLVml 1	4	-3971	113287	-420	113287	No	No	214635	0.53	420	17.01	0	33200	0.01	ok	
140	SLVml 2	4	-3971	113287	-420	113287	No	No	214635	0.53	420	17.01	0	33200	0.01	ok	
140	SLVml 3	4	-717	4662	42	4662	No	No	222722	0.02	42	17.01	0	33200	0	ok	
140	SLVml 4	4	-717	4662	42	4662	No	No	222722	0.02	42	17.01	0	33200	0	ok	
160	SLVml 1	4	-3975	121690	-420	121690	No	No	214625	0.57	420	17.01	0	33200	0.01	ok	
160	SLVml 2	4	-3975	121690	-420	121690	No	No	214625	0.57	420	17.01	0	33200	0.01	ok	
160	SLVml 3	4	-721	3823	42	3823	No	No	222712	0.02	42	17.01	0	33200	0	ok	
160	SLVml 4	4	-721	3823	42	3823	No	No	222712	0.02	42	17.01	0	33200	0	ok	
160	SLVml 1	4	-3975	121690	-114	121690	No	No	214625	0.57	114	17.01	0	33200	0	ok	
160	SLVml 2	4	-3975	121690	-114	121690	No	No	214625	0.57	114	17.01	0	33200	0	ok	
160	SLVml 3	4	-721	3823	109	3823	No	No	222712	0.02	109	17.01	0	33200	0	ok	
160	SLVml 4	4	-721	3823	109	3823	No	No	222712	0.02	109	17.01	0	33200	0	ok	
180	SLVml 1	4	-3979	123973	-114	123973	No	No	214614	0.58	114	17.01	0	33200	0	ok	
180	SLVml 2	4	-3979	123973	-114	123973	No	No	214614	0.58	114	17.01	0	33200	0	ok	
180	SLVml 3	4	-726	1641	109	1641	No	No	222701	0.01	109	17.01	0	33200	0	ok	
180	SLVml 4	4	-726	1641	109	1641	No	No	222701	0.01	109	17.01	0	33200	0	ok	
180	SLVml 1	4	-3979	123973	208	123973	No	No	214614	0.58	208	17.01	0	33200	0.01	ok	
180	SLVml 2	4	-3979	123973	208	123973	No	No	214614	0.58	208	17.01	0	33200	0.01	ok	
180	SLVml 3	4	-726	1641	193	1641	No	No	222701	0.01	193	17.01	0	33200	0.01	ok	
180	SLVml 4	4	-726	1641	193	1641	No	No	222701	0.01	193	17.01	0	33200	0.01	ok	
200	SLVml 1	4	-3983	119819	208	119819	No	No	214604	0.56	208	17.01	0	33200	0.01	ok	
200	SLVml 2	4	-3983	119819	208	119819	No	No	214604	0.56	208	17.01	0	33200	0.01	ok	
200	SLVml 3	4	-730	-2215	193	2215	No	No	222691	0.01	193	17.01	0	33200	0.01	ok	
200	SLVml 4	4	-730	-2215	193	2215	No	No	222691	0.01	193	17.01	0	33200	0.01	ok	
200	SLVml 1	4	-3983	119819	545	119819	No	No	214604	0.56	545	17.01	0	33200	0.02	ok	
200	SLVml 2	4	-3983	119819	545	119819	No	No	214604	0.56	545	17.01	0	33200	0.02	ok	
200	SLVml 3	4	-730	-2215	293	2215	No	No	222691	0.01	293	17.01	0	33200	0.01	ok	
200	SLVml 4	4	-730	-2215	293	2215	No	No	222691	0.01	293	17.01	0	33200	0.01	ok	
220	SLVml 1	4	-3988	108910	545	108910	No	No	214593	0.51	545	17.01	0	33200	0.02	ok	
220	SLVml 2	4	-3988	108910	545	108910	No	No	214593	0.51	545	17.01	0	33200	0.02	ok	
220	SLVml 3	4	-734	-8080	293	8080	No	No	222680	0.04	293	17.01	0	33200	0.01	ok	
220	SLVml 4	4	-734	-8080	293	8080	No	No	222680	0.04	293	17.01	0	33200	0.01	ok	
220	SLVml 1	4	-3988	108910	759	108910	No	No	214593	0.51	759	17.01	0	33200	0.02	ok	
220	SLVml 2	4	-3988	108910	759	108910	No	No	214593	0.51	759	17.01	0	33200	0.02	ok	
220	SLVml 3	4	-734	-8080	348	8080	No	No	222680	0.04	348	17.01	0	33200	0.01	ok	
220	SLVml 4	4	-734	-8080	348	8080	No	No	222680	0.04	348	17.01	0	33200	0.01	ok	
240	SLVml 1	4	-3992	93721	759	93721	No	No	214583	0.44	759	17.01	0	33200	0.02	ok	
240	SLVml 2	4	-3992	93721	759	93721	No	No	214583	0.44	759	17.01	0	33200	0.02	ok	
240	SLVml 3	4	-738	-15047	348	15047	No	No	222670	0.07	348	17.01	0	33200	0.01	ok	
240	SLVml 4	4	-738	-15047	348	15047	No	No	222670	0.07	348	17.01	0	33200	0.01	ok	
240	SLVml 1	4	-3992	93721	945	93721	No	No	214583	0.44	945	17.01	0	33200	0.03	ok	
240	SLVml 2	4	-3992	93721	945	93721	No	No	214583	0.44	945	17.01	0	33200	0.03	ok	
240	SLVml 3	4	-738	-15047	348	15047	No	No	222670	0.07	348	17.01	0	33200	0.01	ok	
240	SLVml 4	4	-738	-15047	348	15047	No	No	222670	0.07	348	17.01	0	33200	0.01	ok	
260	SLVml 1	4	-3996	74823	945	74823	No	No	214572	0.35	945	17.01	0	33200	0.03	ok	
260	SLVml 2	4	-3996	74823	945	74823	No	No	214572	0.35	945	17.01	0	33200	0.03	ok	
260	SLVml 3	4	-742	-22010	348	22010	No	No	222660	0.1	348	17.01	0	33200	0.01	ok	
260	SLVml 4	4	-742	-22010	348	22010	No	No	222660	0.1	348	17.01	0	33200	0.01	ok	
260	SLVml 1	4	-3996	74823	1087	74823	No	No	214572	0.35	1087	17.01	0	33200	0.03	ok	
260	SLVml 2	4	-3996	74823	1087	74823	No	No	214572	0.35	1087	17.01	0	33200	0.03	ok	
260	SLVml 3	4	-742	-22010	269	22010	No	No	222660	0.1	269	17.01	0	33200	0.01	ok	
260	SLVml 4	4	-742	-22010	269	22010	No	No	222660	0.1	269	17.01	0	33200	0.01	ok	
280	SLVml 1	4	-4000	53080	1087	53080	No	No	214562	0.25	1087	17.01	0	33200	0.03	ok	
280	SLVml 2	4	-4000	53080	1087	53080	No	No	214562	0.25	1087	17.01	0	33200	0.03	ok	
280	SLVml 3	4	-747	-27389	269	27389	No	No	222649	0.12	269	17.01	0	33200	0.01	ok	
280	SLVml 4	4	-747	-27389	269	27389	No	No	222649	0.12	269	17.01	0	33200	0.01	ok	
280	SLVml 1	4	-4000	53080	1175	53080	No	No	214562	0.25	1175	17.01	0	33200	0.04	ok	
280	SLVml 2	4	-4000	53080	1175	53080	No	No	214562	0.25	1175	17.01	0	33200	0.04	ok	
280	SLVml 3	4	-747	-27389	114	27389	No	No	222649	0.12	114	17.01	0	33200	0	ok	
280	SLVml 4	4	-747	-27389	114	27389	No	No	222649	0.12	114	17.01	0	33200	0	ok	
300	SLVml 1	4	-4004	29589	1175	29589	No	No	214552	0.14	1175	17.01	0	33200	0.04	ok	
300	SLVml 2	4	-4004	29589	1175	29589	No	No	214552	0.14	1175	17.01	0	33200	0.04	ok	
300	SLVml 3	4	-751	-29662	114	29662	No	No	222639	0.13	114	17.01	0	33200	0	ok	
300	SLVml 4	4	-751	-29662	114	29662	No	No	222639	0.13	114	17.01	0	33200	0	ok	
300	SLVml 1	4	-4004	29589	1139	29589	No	No	214552	0.14	1139	17.01	0	33200	0.03	ok	
300	SLVml 2	4	-4004	29589	1139	29589	No	No	214552	0.14	1139	17.01	0	33200	0.03	ok	
300	SLVml 3	4	-751	-29662	-61	29662	No	No	222639	0.13	61	17.01	0	33200	0	ok	
300	SLVml 4	4	-751	-29662	-61	29662	No	No	222639	0.13	61	17.01	0	33200	0	ok	
320	SLVml 1	4	-4009	6805	1139	6805	No	No	214541	0.03	1139	17.01	0	33200	0.03	ok	
320	SLVml 2	4	-4009	6805	1139	6805	No	No	214541	0.03	1139	17.01	0	33200	0.03	ok	
320	SLVml 3	4	-755	-28445	-61	28445	No	No	222628	0.13	61	17.01	0	33200	0	ok	
320	SLVml 4	4	-755	-28445	-61	28445	No	No	222628	0.13	61	17.01	0	33200	0	ok	
320	SLVml 1	4	-4009	6805	1046	6805	No	No	214541	0.03	1046	17.01	0	33200	0.03	ok	
320	SLVml 2	4	-4009	6805	1046	6805	No	No	214541	0.03	1046	17.01	0	33200	0.03	ok	
320	SLVml 3	4	-755	-28445	-187	28445	No	No	222628	0.13	187	17.01	0	33200	0.01	ok	
320	SLVml 4	4	-755	-28445	-187	28445	No	No	222628	0.13	187	17.01	0	33200	0.01	ok	
340	SLVml 1	4	-4013	-14118	1046	14118	No	No	214531	0.07	1046	17.01	0	33200	0.03	ok	
340	SLVml 2	4	-4013	-14118	1046	14118	No	No	214531	0.07	1046	17.01	0	33200	0.03	ok	
340	SLVml 3	4	-759	-24715	-187	24715	No	No	222618	0.11	187	17.01	0	33200	0.01	ok	
340	SLVml 4	4	-759	-24715	-187	24715	No	No	222618	0.11	187	17.01	0	33200	0.01	ok	
340	SLVml 1	4	-4013	-14118	941	14118	No	No	214531	0.07	941	17.01	0	33200	0.03	ok	
340	SLVml 2	4	-4013	-14118	941	14118	No	No	21								

Dati sezione						Flessione						Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/Csf	Ved	Av	rho	Vplrd	1/CSt		
380	SLVml 2	4	-4021	-49316	676	49316	No	No	214510	0.23	676	17.01	0	33200	0.02	ok	
380	SLVml 3	4	-767	-15297	-255	15297	No	No	222597	0.07	255	17.01	0	33200	0.01	ok	
380	SLVml 4	4	-767	-15297	-255	15297	No	No	222597	0.07	255	17.01	0	33200	0.01	ok	
400	SLVml 1	4	-4025	-62842	676	62842	No	No	214499	0.29	676	17.01	0	33200	0.02	ok	
400	SLVml 2	4	-4025	-62842	676	62842	No	No	214499	0.29	676	17.01	0	33200	0.02	ok	
400	SLVml 3	4	-772	-10197	-255	10197	No	No	222587	0.05	255	17.01	0	33200	0.01	ok	
400	SLVml 4	4	-772	-10197	-255	10197	No	No	222587	0.05	255	17.01	0	33200	0.01	ok	
400	SLVml 1	4	-4025	-62842	499	62842	No	No	214499	0.29	499	17.01	0	33200	0.02	ok	
400	SLVml 2	4	-4025	-62842	499	62842	No	No	214499	0.29	499	17.01	0	33200	0.02	ok	
400	SLVml 3	4	-772	-10197	-225	10197	No	No	222587	0.05	225	17.01	0	33200	0.01	ok	
400	SLVml 4	4	-772	-10197	-225	10197	No	No	222587	0.05	225	17.01	0	33200	0.01	ok	
420	SLVml 1	4	-4030	-72826	499	72826	No	No	214489	0.34	499	17.01	0	33200	0.02	ok	
420	SLVml 2	4	-4030	-72826	499	72826	No	No	214489	0.34	499	17.01	0	33200	0.02	ok	
420	SLVml 3	4	-776	-5704	-225	5704	No	No	222576	0.03	225	17.01	0	33200	0.01	ok	
420	SLVml 4	4	-776	-5704	-225	5704	No	No	222576	0.03	225	17.01	0	33200	0.01	ok	
420	SLVml 1	4	-4030	-72826	284	72826	No	No	214489	0.34	284	17.01	0	33200	0.01	ok	
420	SLVml 2	4	-4030	-72826	284	72826	No	No	214489	0.34	284	17.01	0	33200	0.01	ok	
420	SLVml 3	4	-776	-5704	-162	5704	No	No	222576	0.03	162	17.01	0	33200	0	ok	
420	SLVml 4	4	-776	-5704	-162	5704	No	No	222576	0.03	162	17.01	0	33200	0	ok	
440	SLVml 1	4	-4034	-78497	284	78497	No	No	214479	0.37	284	17.01	0	33200	0.01	ok	
440	SLVml 2	4	-4034	-78497	284	78497	No	No	214479	0.37	284	17.01	0	33200	0.01	ok	
440	SLVml 3	4	-780	-2458	-162	2458	No	No	222566	0.01	162	17.01	0	33200	0	ok	
440	SLVml 4	4	-780	-2458	-162	2458	No	No	222566	0.01	162	17.01	0	33200	0	ok	
440	SLVml 1	4	-4034	-78497	32	78497	No	No	214479	0.37	32	17.01	0	33200	0	ok	
440	SLVml 2	4	-4034	-78497	32	78497	No	No	214479	0.37	32	17.01	0	33200	0	ok	
440	SLVml 3	4	-780	-2458	-94	2458	No	No	222566	0.01	94	17.01	0	33200	0	ok	
440	SLVml 4	4	-780	-2458	-94	2458	No	No	222566	0.01	94	17.01	0	33200	0	ok	
460	SLVml 1	4	-4038	-79139	32	79139	No	No	214468	0.37	32	17.01	0	33200	0	ok	
460	SLVml 2	4	-4038	-79139	32	79139	No	No	214468	0.37	32	17.01	0	33200	0	ok	
460	SLVml 3	4	-784	-573	-94	573	No	No	222555	0	94	17.01	0	33200	0	ok	
460	SLVml 4	4	-784	-573	-94	573	No	No	222555	0	94	17.01	0	33200	0	ok	
460	SLVml 1	4	-4038	-79139	-264	79139	No	No	214468	0.37	264	17.01	0	33200	0.01	ok	
460	SLVml 2	4	-4038	-79139	-264	79139	No	No	214468	0.37	264	17.01	0	33200	0.01	ok	
460	SLVml 3	4	-784	-573	-42	573	No	No	222555	0	42	17.01	0	33200	0	ok	
460	SLVml 4	4	-784	-573	-42	573	No	No	222555	0	42	17.01	0	33200	0	ok	
480	SLVml 1	4	-4042	-73861	-264	73861	No	No	214458	0.34	264	17.01	0	33200	0.01	ok	
480	SLVml 2	4	-4042	-73861	-264	73861	No	No	214458	0.34	264	17.01	0	33200	0.01	ok	
480	SLVml 3	4	-788	258	-42	258	No	No	222545	0	42	17.01	0	33200	0	ok	
480	SLVml 4	4	-788	258	-42	258	No	No	222545	0	42	17.01	0	33200	0	ok	
480	SLVml 1	4	-4042	-73861	-608	73861	No	No	214458	0.34	608	17.01	0	33200	0.02	ok	
480	SLVml 2	4	-4042	-73861	-608	73861	No	No	214458	0.34	608	17.01	0	33200	0.02	ok	
480	SLVml 3	4	-788	258	-9	258	No	No	222545	0	9	17.01	0	33200	0	ok	
480	SLVml 4	4	-788	258	-9	258	No	No	222545	0	9	17.01	0	33200	0	ok	
500	SLVml 1	4	-4046	-61707	-608	61707	No	No	214447	0.29	608	17.01	0	33200	0.02	ok	
500	SLVml 2	4	-4046	-61707	-608	61707	No	No	214447	0.29	608	17.01	0	33200	0.02	ok	
500	SLVml 3	4	-793	444	-9	444	No	No	222534	0	9	17.01	0	33200	0	ok	
500	SLVml 4	4	-793	444	-9	444	No	No	222534	0	9	17.01	0	33200	0	ok	
500	SLVml 1	4	-4046	-61707	-892	61707	No	No	214447	0.29	892	17.01	0	33200	0.03	ok	
500	SLVml 2	4	-4046	-61707	-892	61707	No	No	214447	0.29	892	17.01	0	33200	0.03	ok	
500	SLVml 3	4	-793	444	6	444	No	No	222534	0	6	17.01	0	33200	0	ok	
500	SLVml 4	4	-793	444	6	444	No	No	222534	0	6	17.01	0	33200	0	ok	
520	SLVml 1	4	-4051	-43871	-892	43871	No	No	214437	0.2	892	17.01	0	33200	0.03	ok	
520	SLVml 2	4	-4051	-43871	-892	43871	No	No	214437	0.2	892	17.01	0	33200	0.03	ok	
520	SLVml 3	4	-797	329	6	329	No	No	222524	0	6	17.01	0	33200	0	ok	
520	SLVml 4	4	-797	329	6	329	No	No	222524	0	6	17.01	0	33200	0	ok	
520	SLVml 1	4	-4051	-43871	-879	43871	No	No	214437	0.2	879	17.01	0	33200	0.03	ok	
520	SLVml 2	4	-4051	-43871	-879	43871	No	No	214437	0.2	879	17.01	0	33200	0.03	ok	
520	SLVml 3	4	-797	329	9	329	No	No	222524	0	9	17.01	0	33200	0	ok	
520	SLVml 4	4	-797	329	9	329	No	No	222524	0	9	17.01	0	33200	0	ok	
540	SLVml 1	4	-4055	-26299	-879	26299	No	No	214426	0.12	879	17.01	0	33200	0.03	ok	
540	SLVml 2	4	-4055	-26299	-879	26299	No	No	214426	0.12	879	17.01	0	33200	0.03	ok	
540	SLVml 3	4	-801	150	9	150	No	No	222514	0	9	17.01	0	33200	0	ok	
540	SLVml 4	4	-801	150	9	150	No	No	222514	0	9	17.01	0	33200	0	ok	
540	SLVml 1	4	-4055	-26299	-711	26299	No	No	214426	0.12	711	17.01	0	33200	0.02	ok	
540	SLVml 2	4	-4055	-26299	-711	26299	No	No	214426	0.12	711	17.01	0	33200	0.02	ok	
540	SLVml 3	4	-801	150	5	150	No	No	222514	0	5	17.01	0	33200	0	ok	
540	SLVml 4	4	-801	150	5	150	No	No	222514	0	5	17.01	0	33200	0	ok	
560	SLVml 1	4	-4059	-12075	-711	12075	No	No	214416	0.06	711	17.01	0	33200	0.02	ok	
560	SLVml 2	4	-4059	-12075	-711	12075	No	No	214416	0.06	711	17.01	0	33200	0.02	ok	
560	SLVml 3	4	-805	48	5	48	No	No	222503	0	5	17.01	0	33200	0	ok	
560	SLVml 4	4	-805	48	5	48	No	No	222503	0	5	17.01	0	33200	0	ok	
560	SLVml 1	4	-4059	-12075	-445	12075	No	No	214416	0.06	445	17.01	0	33200	0.01	ok	
560	SLVml 2	4	-4059	-12075	-445	12075	No	No	214416	0.06	445	17.01	0	33200	0.01	ok	
560	SLVml 3	4	-805	48	-3	48	No	No	222503	0	3	17.01	0	33200	0	ok	
560	SLVml 4	4	-805	48	-3	48	No	No	222503	0	3	17.01	0	33200	0	ok	
580	SLVml 1	4	-4063	-3183	-445	3183	No	No	214406	0.01	445	17.01	0	33200	0.01	ok	
580	SLVml 2	4	-4063	-3183	-445	3183	No	No	214406	0.01	445	17.01	0	33200	0.01	ok	
580	SLVml 3	4	-809	112	-3	112	No	No	222493	0	3	17.01	0	33200	0	ok	
580	SLVml 4	4	-809	112	-3	112	No	No	222493	0	3	17.01	0	33200	0	ok	
580	SLVml 1	4	-4063	-3183	-224	3183	No	No	214406	0.01	224	17.01	0	33200	0.01	ok	
580	SLVml 2	4	-4063	-3183	-224	3183	No	No	214406	0.01	224	17.01	0	33200	0.01	ok	
580	SLVml 3	4	-809	112	-14	112	No	No	222493	0	14	17.01	0	33200	0	ok	
580	SLVml 4	4	-809	112	-14	112	No	No	222493	0	14	17.01	0	33200	0	ok	
600	SLVml 1	4	-4067	1296	-224	1296	No	No	214395	0.01	224	17.01	0	33200	0.01	ok	
600	SLVml 2	4	-4067	1296													

Dati sezione						Flessione						Taglio					Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/Csf	Ved	Av	rho	Vplrd	1/CSt		
640	SLVml 2	4	-4076	3644	-26	3644	No	No	214374	0.02	26	17.01	0	33200	0	ok	
640	SLVml 3	4	-822	1542	-31	1542	No	No	222462	0.01	31	17.01	0	33200	0	ok	
640	SLVml 4	4	-822	1542	-31	1542	No	No	222462	0.01	31	17.01	0	33200	0	ok	
640	SLVml 1	4	-4076	3644	19	3644	No	No	214374	0.02	19	17.01	0	33200	0	ok	
640	SLVml 2	4	-4076	3644	19	3644	No	No	214374	0.02	19	17.01	0	33200	0	ok	
640	SLVml 3	4	-822	1542	-15	1542	No	No	222462	0.01	15	17.01	0	33200	0	ok	
640	SLVml 4	4	-822	1542	-15	1542	No	No	222462	0.01	15	17.01	0	33200	0	ok	
660	SLVml 1	4	-4080	3273	19	3273	No	No	214364	0.02	19	17.01	0	33200	0	ok	
660	SLVml 2	4	-4080	3273	19	3273	No	No	214364	0.02	19	17.01	0	33200	0	ok	
660	SLVml 3	4	-826	1845	-15	1845	No	No	222451	0.01	15	17.01	0	33200	0	ok	
660	SLVml 4	4	-826	1845	-15	1845	No	No	222451	0.01	15	17.01	0	33200	0	ok	
660	SLVml 1	4	-4080	3273	74	3273	No	No	214364	0.02	74	17.01	0	33200	0	ok	
660	SLVml 2	4	-4080	3273	74	3273	No	No	214364	0.02	74	17.01	0	33200	0	ok	
660	SLVml 3	4	-826	1845	49	1845	No	No	222451	0.01	49	17.01	0	33200	0	ok	
660	SLVml 4	4	-826	1845	49	1845	No	No	222451	0.01	49	17.01	0	33200	0	ok	
680	SLVml 1	4	-4084	1803	74	1803	No	No	214353	0.01	74	17.01	0	33200	0	ok	
680	SLVml 2	4	-4084	1803	74	1803	No	No	214353	0.01	74	17.01	0	33200	0	ok	
680	SLVml 3	4	-830	872	49	872	No	No	222441	0	49	17.01	0	33200	0	ok	
680	SLVml 4	4	-830	872	49	872	No	No	222441	0	49	17.01	0	33200	0	ok	
680	SLVml 1	4	-4084	1803	210	1803	No	No	214353	0.01	210	17.01	0	33200	0.01	ok	
680	SLVml 2	4	-4084	1803	210	1803	No	No	214353	0.01	210	17.01	0	33200	0.01	ok	
680	SLVml 3	4	-830	872	195	872	No	No	222441	0	195	17.01	0	33200	0.01	ok	
680	SLVml 4	4	-830	872	195	872	No	No	222441	0	195	17.01	0	33200	0.01	ok	
700	SLVml 1	4	-4088	-2403	210	2403	No	No	214343	0.01	210	17.01	0	33200	0.01	ok	
700	SLVml 2	4	-4088	-2403	210	2403	No	No	214343	0.01	210	17.01	0	33200	0.01	ok	
700	SLVml 3	4	-835	-3030	195	3030	No	No	222430	0.01	195	17.01	0	33200	0.01	ok	
700	SLVml 4	4	-835	-3030	195	3030	No	No	222430	0.01	195	17.01	0	33200	0.01	ok	
700	SLVml 1	4	-4088	-2403	15	2403	No	No	214343	0.01	15	17.01	0	33200	0	ok	
700	SLVml 2	4	-4088	-2403	15	2403	No	No	214343	0.01	15	17.01	0	33200	0	ok	
700	SLVml 3	4	-835	-3030	-27	3030	No	No	222430	0.01	27	17.01	0	33200	0	ok	
700	SLVml 4	4	-835	-3030	-27	3030	No	No	222430	0.01	27	17.01	0	33200	0	ok	
720	SLVml 1	4	-4093	-2712	15	2712	No	No	214333	0.01	15	17.01	0	33200	0	ok	
720	SLVml 2	4	-4093	-2712	15	2712	No	No	214333	0.01	15	17.01	0	33200	0	ok	
720	SLVml 3	4	-839	-2480	-27	2480	No	No	222420	0.01	27	17.01	0	33200	0	ok	
720	SLVml 4	4	-839	-2480	-27	2480	No	No	222420	0.01	27	17.01	0	33200	0	ok	
720	SLVml 1	4	-4093	-2712	-49	2712	No	No	214333	0.01	49	17.01	0	33200	0	ok	
720	SLVml 2	4	-4093	-2712	-49	2712	No	No	214333	0.01	49	17.01	0	33200	0	ok	
720	SLVml 3	4	-839	-2480	-70	2480	No	No	222420	0.01	70	17.01	0	33200	0	ok	
720	SLVml 4	4	-839	-2480	-70	2480	No	No	222420	0.01	70	17.01	0	33200	0	ok	
740	SLVml 1	4	-4097	-1727	-49	1727	No	No	214322	0.01	49	17.01	0	33200	0	ok	
740	SLVml 2	4	-4097	-1727	-49	1727	No	No	214322	0.01	49	17.01	0	33200	0	ok	
740	SLVml 3	4	-843	-1076	-70	1076	No	No	222409	0	70	17.01	0	33200	0	ok	
740	SLVml 4	4	-843	-1076	-70	1076	No	No	222409	0	70	17.01	0	33200	0	ok	
740	SLVml 1	4	-4097	-1727	-47	1727	No	No	214322	0.01	47	17.01	0	33200	0	ok	
740	SLVml 2	4	-4097	-1727	-47	1727	No	No	214322	0.01	47	17.01	0	33200	0	ok	
740	SLVml 3	4	-843	-1076	-42	1076	No	No	222409	0	42	17.01	0	33200	0	ok	
740	SLVml 4	4	-843	-1076	-42	1076	No	No	222409	0	42	17.01	0	33200	0	ok	
760	SLVml 1	4	-4101	-784	-47	784	No	No	214312	0	47	17.01	0	33200	0	ok	
760	SLVml 2	4	-4101	-784	-47	784	No	No	214312	0	47	17.01	0	33200	0	ok	
760	SLVml 3	4	-847	-235	-42	235	No	No	222399	0	42	17.01	0	33200	0	ok	
760	SLVml 4	4	-847	-235	-42	235	No	No	222399	0	42	17.01	0	33200	0	ok	
760	SLVml 1	4	-4101	-784	-29	784	No	No	214312	0	29	17.01	0	33200	0	ok	
760	SLVml 2	4	-4101	-784	-29	784	No	No	214312	0	29	17.01	0	33200	0	ok	
760	SLVml 3	4	-847	-235	-14	235	No	No	222399	0	14	17.01	0	33200	0	ok	
760	SLVml 4	4	-847	-235	-14	235	No	No	222399	0	14	17.01	0	33200	0	ok	
780	SLVml 1	4	-4105	-200	-29	200	No	No	214301	0	29	17.01	0	33200	0	ok	
780	SLVml 2	4	-4105	-200	-29	200	No	No	214301	0	29	17.01	0	33200	0	ok	
780	SLVml 3	4	-851	51	-14	51	No	No	222389	0	14	17.01	0	33200	0	ok	
780	SLVml 4	4	-851	51	-14	51	No	No	222389	0	14	17.01	0	33200	0	ok	
780	SLVml 1	4	-4105	-200	-11	200	No	No	214301	0	11	17.01	0	33200	0	ok	
780	SLVml 2	4	-4105	-200	-11	200	No	No	214301	0	11	17.01	0	33200	0	ok	
780	SLVml 3	4	-851	51	-1	51	No	No	222389	0	1	17.01	0	33200	0	ok	
780	SLVml 4	4	-851	51	-1	51	No	No	222389	0	1	17.01	0	33200	0	ok	
800	SLVml 1	4	-4109	16	-11	16	No	No	214291	0	11	17.01	0	33200	0	ok	
800	SLVml 2	4	-4109	16	-11	16	No	No	214291	0	11	17.01	0	33200	0	ok	
800	SLVml 3	4	-856	76	-1	76	No	No	222378	0	1	17.01	0	33200	0	ok	
800	SLVml 4	4	-856	76	-1	76	No	No	222378	0	1	17.01	0	33200	0	ok	
800	SLVml 1	4	-4109	16	-1	16	No	No	214291	0	1	17.01	0	33200	0	ok	
800	SLVml 2	4	-4109	16	-1	16	No	No	214291	0	1	17.01	0	33200	0	ok	
800	SLVml 3	4	-856	76	2	76	No	No	222378	0	2	17.01	0	33200	0	ok	
800	SLVml 4	4	-856	76	2	76	No	No	222378	0	2	17.01	0	33200	0	ok	
820	SLVml 1	4	-4114	44	-1	44	No	No	214281	0	1	17.01	0	33200	0	ok	
820	SLVml 2	4	-4114	44	-1	44	No	No	214281	0	1	17.01	0	33200	0	ok	
820	SLVml 3	4	-860	37	2	37	No	No	222368	0	2	17.01	0	33200	0	ok	
820	SLVml 4	4	-860	37	2	37	No	No	222368	0	2	17.01	0	33200	0	ok	
820	SLVml 1	4	-4114	44	1	44	No	No	214281	0	1	17.01	0	33200	0	ok	
820	SLVml 2	4	-4114	44	1	44	No	No	214281	0	1	17.01	0	33200	0	ok	
820	SLVml 3	4	-860	37	1	37	No	No	222368	0	1	17.01	0	33200	0	ok	
820	SLVml 4	4	-860	37	1	37	No	No	222368	0	1	17.01	0	33200	0	ok	
840	SLVml 1	4	-4118	22	1	22	No	No	214270	0	1	17.01	0	33200	0	ok	
840	SLVml 2	4	-4118	22	1	22	No	No	214270	0	1	17.01	0	33200	0	ok	
840	SLVml 3	4	-864	7	1	7	No	No	222357	0	1	17.01	0	33200	0	ok	
840	SLVml 4	4	-864	7	1	7	No	No	222357	0	1	17.01	0	33200	0	ok	
840	SLVml 1	4	-4118	22	1	22	No	No	214270	0	1	17.01	0	33200	0	ok	
840	SLVml 2	4	-4118	22	1	22	No	No	214270	0	1	17.01	0	33200	0	ok	
840	SLVml 3	4	-864	7	1	7	No	No	222357	0	1	17.01	0	33200	0	ok	
840	SLVml 4	4	-864	7	1	7	No	No	222357	0	1	17.01	0	33200	0	ok	
860	SLVml 1	4	-4122	3	1	3	No	No	214260	0	1	17.01	0	33200	0	ok	
860	SLVml 2																

Dati sezione						Flessione					Taglio						Ver
Z	Cmb	Stg	N	Mx	T	Med	redN	redS	Mcrd	1/CSf	Ved	Av	rho	Vplrd	1/CSt		
880	SLVml 2	4	-4126	-5	0	5	No	No	214249	0	0	17.01	0	33200	0	ok	
880	SLVml 3	4	-872	-6	0	6	No	No	222336	0	0	17.01	0	33200	0	ok	
880	SLVml 4	4	-872	-6	0	6	No	No	222336	0	0	17.01	0	33200	0	ok	
900	SLVml 1	4	-4130	-7	0	7	No	No	214239	0	0	17.01	0	33200	0	ok	
900	SLVml 2	4	-4130	-7	0	7	No	No	214239	0	0	17.01	0	33200	0	ok	
900	SLVml 3	4	-877	-5	0	5	No	No	222326	0	0	17.01	0	33200	0	ok	
900	SLVml 4	4	-877	-5	0	5	No	No	222326	0	0	17.01	0	33200	0	ok	
900	SLVml 1	4	-4130	-7	0	7	No	No	214239	0	0	17.01	0	33200	0	ok	
900	SLVml 2	4	-4130	-7	0	7	No	No	214239	0	0	17.01	0	33200	0	ok	
900	SLVml 3	4	-877	-5	0	5	No	No	222326	0	0	17.01	0	33200	0	ok	
900	SLVml 4	4	-877	-5	0	5	No	No	222326	0	0	17.01	0	33200	0	ok	
920	SLVml 1	4	-4134	-6	0	6	No	No	214228	0	0	17.01	0	33200	0	ok	
920	SLVml 2	4	-4134	-6	0	6	No	No	214228	0	0	17.01	0	33200	0	ok	
920	SLVml 3	4	-881	-4	0	4	No	No	222316	0	0	17.01	0	33200	0	ok	
920	SLVml 4	4	-881	-4	0	4	No	No	222316	0	0	17.01	0	33200	0	ok	
920	SLVml 1	4	-4134	-6	0	6	No	No	214228	0	0	17.01	0	33200	0	ok	
920	SLVml 2	4	-4134	-6	0	6	No	No	214228	0	0	17.01	0	33200	0	ok	
920	SLVml 3	4	-881	-4	0	4	No	No	222316	0	0	17.01	0	33200	0	ok	
920	SLVml 4	4	-881	-4	0	4	No	No	222316	0	0	17.01	0	33200	0	ok	
940	SLVml 1	4	-4139	-5	0	5	No	No	214218	0	0	17.01	0	33200	0	ok	
940	SLVml 2	4	-4139	-5	0	5	No	No	214218	0	0	17.01	0	33200	0	ok	
940	SLVml 3	4	-885	-3	0	3	No	No	222305	0	0	17.01	0	33200	0	ok	
940	SLVml 4	4	-885	-3	0	3	No	No	222305	0	0	17.01	0	33200	0	ok	
940	SLVml 1	4	-4139	-5	0	5	No	No	214218	0	0	17.01	0	33200	0	ok	
940	SLVml 2	4	-4139	-5	0	5	No	No	214218	0	0	17.01	0	33200	0	ok	
940	SLVml 3	4	-885	-3	0	3	No	No	222305	0	0	17.01	0	33200	0	ok	
940	SLVml 4	4	-885	-3	0	3	No	No	222305	0	0	17.01	0	33200	0	ok	
960	SLVml 1	4	-4143	-4	0	4	No	No	214208	0	0	17.01	0	33200	0	ok	
960	SLVml 2	4	-4143	-4	0	4	No	No	214208	0	0	17.01	0	33200	0	ok	
960	SLVml 3	4	-889	-3	0	3	No	No	222295	0	0	17.01	0	33200	0	ok	
960	SLVml 4	4	-889	-3	0	3	No	No	222295	0	0	17.01	0	33200	0	ok	
960	SLVml 1	4	-4143	-4	0	4	No	No	214208	0	0	17.01	0	33200	0	ok	
960	SLVml 2	4	-4143	-4	0	4	No	No	214208	0	0	17.01	0	33200	0	ok	
960	SLVml 3	4	-889	-3	0	3	No	No	222295	0	0	17.01	0	33200	0	ok	
960	SLVml 4	4	-889	-3	0	3	No	No	222295	0	0	17.01	0	33200	0	ok	
980	SLVml 1	4	-4147	-2	0	2	No	No	214197	0	0	17.01	0	33200	0	ok	
980	SLVml 2	4	-4147	-2	0	2	No	No	214197	0	0	17.01	0	33200	0	ok	
980	SLVml 3	4	-893	-1	0	1	No	No	222284	0	0	17.01	0	33200	0	ok	
980	SLVml 4	4	-893	-1	0	1	No	No	222284	0	0	17.01	0	33200	0	ok	
980	SLVml 1	4	-4147	-2	0	2	No	No	214197	0	0	17.01	0	33200	0	ok	
980	SLVml 2	4	-4147	-2	0	2	No	No	214197	0	0	17.01	0	33200	0	ok	
980	SLVml 3	4	-893	-1	0	1	No	No	222284	0	0	17.01	0	33200	0	ok	
980	SLVml 4	4	-893	-1	0	1	No	No	222284	0	0	17.01	0	33200	0	ok	
1000	SLVml 1	4	-4151	0	0	0	No	No	214187	0	0	17.01	0	33200	0	ok	
1000	SLVml 2	4	-4151	0	0	0	No	No	214187	0	0	17.01	0	33200	0	ok	
1000	SLVml 3	4	-898	0	0	0	No	No	222274	0	0	17.01	0	33200	0	ok	
1000	SLVml 4	4	-898	0	0	0	No	No	222274	0	0	17.01	0	33200	0	ok	

Significato dei simboli utilizzati:

- Ver: stato di verifica.
Dati sezione: dati di verifica della sezione.
Z: coordinata Z del punto di verifica. [cm]
Cmb: combinazione di calcolo.
Stg: fase di calcolo.
N: sforzo normale di progetto. [daN]
Mx: momento flettente di progetto. [daN*cm]
T: sforzo di taglio di progetto. [daN]
Flessione: verifiche a Flessione.
Med: momento sollecitante di progetto. [daN*cm]
redN: fattore riduttivo per sforzo N (si/no).
redS: fattore riduttivo per sforzo T (si/no).
Mcrd: momento resistente di progetto. [daN*cm]
1/CSf: inverso del Coefficiente di sicurezza a flessione.
Taglio: verifiche a Taglio.
Ved: taglio sollecitante di progetto. [daN]
Av: area resistente a taglio. [cm²]
rho: fattore di riduzione rho.
Vplrd: taglio resistente plastico di progetto. [daN]
1/CSt: inverso del Coefficiente di sicurezza a taglio.

Riepilogo dati

Nome della commessa: Paratia 6.5 drenate MPB
Tipo di paratia: Micropali
Altezza totale della paratia: 1000
Sezione: EN10219 114.3x8

Normativa di analisi: D.M. 17-01-18 (N.T.C.)
Approccio progettuale: DA1 (completo) P.6.5.3.1.2
Accelerazione orizzontale massima al suolo per SLV: 0.23
Combinazioni caratteristiche successivamente fattorizzate (circolare C6.5.3.1.2) e combinazioni per collasso.

Norma per la verifica strutturale del cemento armato: NTC18
Norma per la verifica strutturale dell'acciaio: NTC18

Peggior verifica geotecnica di stabilità globale
Fattore di sicurezza della peggiore verifica di stabilità globale: 2.15

Combinazione: GEO 1, Fase: 4

Peggior verifica per rototraslazione rigida
Fattore di sicurezza della peggior verifica per rototraslazione rigida: 6.51 (Ry+)
Combinazione: Chr G1SisP, Fase: 4

Peggior verifica geotecnica di Capacità Portante
Fattore di sicurezza della peggior verifica di Capacità Portante: 6.35
Combinazione: SLDm1 1, Fase: 4

Peggior verifica strutturale a PressoFlessione
Fattore di sicurezza della peggior verifica a PressoFlessione: 1.73
Combinazione: SLVm1 1, Fase: 4, Quota: 180

Peggior verifica strutturale a Taglio
Fattore di sicurezza della peggior verifica a Taglio: 19.2
Combinazione: SLVm1 1, Fase: 4, Quota: 40

Riepilogo dati delle verifiche in condizioni non drenate

Nome della commessa: Paratia 6.5 non drenate MPB
Tipo di paratia: Micropali
Altezza totale della paratia: 1000
Sezione: EN10219 114.3x8

Normativa di analisi: D.M. 17-01-18 (N.T.C.)
Approccio progettuale: DA1 (completo) P.6.5.3.1.2
Accelerazione orizzontale massima al suolo per SLV: 0.23
Combinazioni caratteristiche successivamente fattorizzate (circolare C6.5.3.1.2) e combinazioni per collasso.

Norma per la verifica strutturale del cemento armato: NTC18
Norma per la verifica strutturale dell'acciaio: NTC18

Peggior verifica geotecnica di stabilità globale
Fattore di sicurezza della peggior verifica di stabilità globale: 2.74
Combinazione: GEO 1, Fase: 4

Peggior verifica per rototraslazione rigida
Fattore di sicurezza della peggior verifica per rototraslazione rigida: 9.44 (Ry+)
Combinazione: Chr G1SisP, Fase: 4

Peggior verifica geotecnica di Capacità Portante
Fattore di sicurezza della peggior verifica di Capacità Portante: 8.99
Combinazione: SLDm1 1, Fase: 4

Peggior verifica strutturale a PressoFlessione
Fattore di sicurezza della peggior verifica a PressoFlessione: 4.35
Combinazione: SLVm1 1, Fase: 4, Quota: 280

Peggior verifica strutturale a Taglio
Fattore di sicurezza della peggior verifica a Taglio: 32.05
Combinazione: SLVm1 1, Fase: 4, Quota: 200