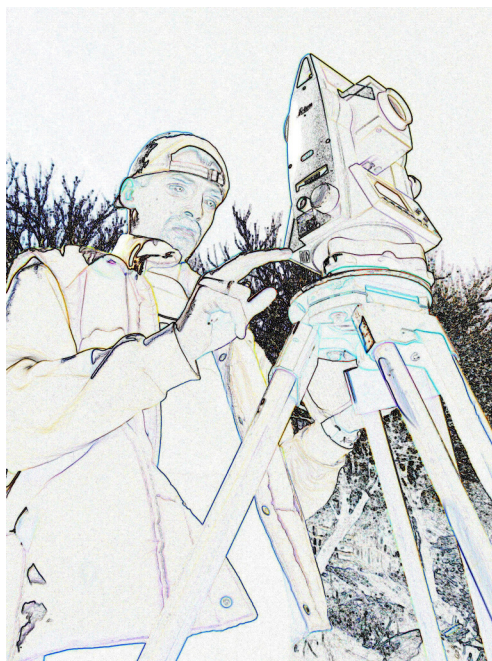




# ЕЛАБОРАТ ГЕОДЕТСКИХ РАДОВА

ЗА ПОТРЕБЕ ИЗРАДЕ ПРОЈЕКТНЕ ДОКУМЕНТАЦИЈЕ ЗА ИЗГРАДЊУ НОВИХ  
ЛУЧКИХ КАПАЦИТЕТА ЛУКЕ БОГОЈЕВО



**НАРУЧИЛАЦ:**  
**ЕХТИНГ д.о.о. Београд**

**Београд, 2021. год.**



## ЛЕГЕНДА

Документација садржана у овој свесци се односи на реализацију ГНСС и тахиметријских мерења и одређивање координата детаљних тачака за потребе израде катастарско - топографског плана на локацији луке Богојево у размери 1:1000. Мерења су извршена у периоду од јуна до септембра 2020. год. и додатна геодетска снимања у августу 2021. год.

Елаборат је израђен у 2 примерка :

- 1 примерак инвеститору
- 1 CD инвеститору
- 1 примерак за потребе предузећа "Geosystem" D.O.O. Београд

Терестичка мерења извршили:

- ♦ *Ђаковић Александар, геод.техничар*
- ♦ *Богдановић Владимир, геод.техничар*

Одговорни извођач радова:



*Лазо Р. Саковић*  
Лазо Саковић, дипл.геод.инж.

Унутрашњи надзор:

"GEOSYSTEM" D.O.O. Београд

Одговорни извођач радова по решењу:

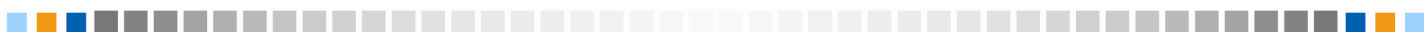


*Лјубодраг Д. Пандрц*  
Пандрц Љубодраг, дипл.геод.инж.



САДРЖАЈ





1. ОПШТА ДОКУМЕНТАЦИЈА.....	2
2. ТЕКСТУАЛНА ДОКУМЕНТАЦИЈА .	23
2.1. Технички извештај .	24
2.1.1. Увод .	24
2.1.2. Предмет геодетских радова .	24
2.1.3. Снимање нултог стања терена .	24
3. НУМЕРИЧКА ДОКУМЕНТАЦИЈА.....	26
3.1. Оригинална ГПС мерења .	27
3.2. Тахиметријски записник .	34
3.3. Датумска трансформација из система UTM34 у државни координатни систем .	44
4. ГРАФИЧКА ДОКУМЕНТАЦИЈА. ....	212
4.1. Катастарско- топографски план .	213
5. ПРИЛОЗИ. ....	221
5.1. Уверење о исправности мерила .	222
5.2. Технички извештај хидрографског мерења луке Богојево - „iC consulenten“ д.о.о. Београд .	227





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11000 Beograd  
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Fax + 381 11 3861 291  
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office@geosystem-doo.




"GEOSYSTEM" D.O.O. Društvo za projektovanje, inženjering i konsalting, Beograd

ГЕОДЕТСКИ ЕЛАБОРАТ – ЕЛАБОРАТ УСПОСТАВЉАЊА ОПЕРАТИВНОГ ПОЛИГОНА



## 1. ОПШТА ДОКУМЕНТАЦИЈА



	 5000153528012	<b>ИЗВОД О РЕГИСТРАЦИЈИ ПРИВРЕДНОГ СУБЈЕКТА</b>	 Република Србија Агенција за привредне регистре
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## ОСНОВНИ ИДЕНТИФИКАЦИОНИ ПОДАТАК

Матични / Регистарски број

17592831

## СТАТУС

Статус привредног субјекта

Активан

## ПРАВНА ФОРМА

Правна форма

Друштво са ограниченом одговорношћу

## ПОСЛОВНО ИМЕ

Пословно име

DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING  
GEOSYSTEM DOO, BEOGRAD (VOŽDOVAC)

Скраћено пословно име

GEOSYSTEM DOO BEOGRAD

## ПОДАЦИ О АДРЕСАМА

### Адреса седишта

Општина

Београд-Вождовац

Место

Београд-Вождовац

Улица

Заплањска

Број и слово

84 Ђ

Спрат, број стана и слово

/

4 /

## ПОСЛОВНИ ПОДАЦИ

### Подаци оснивања

Датум оснивања

16.12.2004

Време трајања

Време трајања привредног субјекта

Неограничено

### Претежна делатност

Шифра делатности

7112

Назив делатности

Инжењерске делатности и техничко саветовање

### Остали идентификациони подаци

Порески Идентификациони Број (ПИБ)

103648354

Подаци од значаја за правни промет



## Текући рачуни

205-0000000096307-33  
265-1750310000202-73  
265-1000000073682-68  
205-0000000121165-52  
205-0000000082941-70

## Подаци о статусу / оснивачком акту

Не постоји обавеза овере измена оснивачког акта

Датум важећег статута

Датум важећег оснивачког акта

11.06.2013

## Законски (статутарни) заступници

### Физичка лица

1. Име  Презиме   
ЈМБГ   
Функција   
Ограничење супотписом

## Прокуристи

### Појединачна прокура

1. Име  Презиме   
ЈМБГ

## Чланови / Сувласници

### Подаци о члану

Име и презиме

ЈМБГ

### Подаци о капиталу

#### Повчани

износ датум  
Уписан: 500,00 EUR, у противвредности од

износ датум  
Уплаћен: 500,00 EUR, у противвредности од

износ(%)



Износ капитала друштва		100,0000000000	
Учници			
Износ	Уписан: 500,00 EUR, у противвредности од 39.246,70 RSD		датум
Износ	Уплаћен: 500,00 EUR, у противвредности од 39.246,70 RSD		датум 16.12.2004
<b>Ограници</b>			
1. Назив	GEOSYSTEM DOO BEOGRAD - POSLOVNA JEDINICA U KRALJEVU		
Шифра делатности	7490		
Назив делатности	Остале стручне, научне и техничке делатности		
Адреса			
Општина	Краљево		
Место	Краљево		
Улица	Хајдук Вељкова		
Број и слово	99/2		
Спрат, број стана и слово	/ /		
<b>Заступници</b>			
<b>Физичка лица</b>			
1. Име	Љубодраг	Презиме	Пандрић
ЈМБГ	1403970780034		
Ограничење супотписом	не постоји ограничење супотписом		

Регистратор, Миладин Маглов







Република Србија  
Агенција за привредно регистре



5000153526391

Регистар привредних субјеката  
БД 43139/2019

Дана, 08.05.2019. године  
Београд

Регистратор Регистра привредних субјеката који води Агенција за привредне регистре, на основу члана 15. став 1. Закона о поступку регистрације у Агенцији за привредне регистре („Службени гласник РС“, бр. 99/2011, 83/2014), одлучујући о регистрационој пријави промене података код DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO, BEOGRAD (ZVEZDARA), матични број: 17592831, коју је поднео/ла:

Име и презиме: Лазо Саковић

доноси

### РЕШЕЊЕ

**УСВАЈА СЕ** регистрациона пријава, па се у Регистар привредних субјеката региструје промена података код:

**DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO,  
BEOGRAD (ZVEZDARA)**

Регистарски/матични број: 17592831

и то следећих промена:

#### Промена пословног имена:

Брише се:

DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO,  
BEOGRAD (ZVEZDARA)

Уписује се:

DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO,  
BEOGRAD (VOŽDOVAC)

#### Промена седишта привредног друштва:

Брише се:

Адреса: Захумска 26, Београд-Звездара, Србија

Уписује се:

Адреса: Заплањска 84 Ђ, стан 4, Београд-Вождовац, Србија



### Образложење

Подносилац регистрационе пријаве поднео је дана 03.05.2019. године регистрациону пријаву промене података број БД 43139/2019 и уз пријаву је доставио документацију наведену у потврди о примљеној регистрационој пријави.

Проверавајући испуњеност услова за регистрацију промене података, прописаних одредбом члана 14. Закона о поступку регистрације у Агенцији за привредне регистре, Регистратор је утврдио да су испуњени услови за регистрацију, па је одлучио као у диспозитиву решења, у складу са одредбом члана 16. Закона.

Висина накнаде за вођење поступка регистрације утврђена је Одлуком о накнадама за послове регистрације и друге услуге које пружа Агенција за привредне регистре („Сл. гласник РС“, бр. 119/2013, 138/2014, 45/2015, 106/2015, 60/2016 и 75/2018).

#### УПУТСТВО О ПРАВНОМ СРЕДСТВУ:

Против овог решења може се изјавити жалба министру надлежном за положај привредних друштава и других облика пословања, у року од 30 дана од дана објављивања на интернет страни Агенције за привредне регистре, а преко Агенције.

  
Миладин Маглов





**РЕПУБЛИКА СРБИЈА  
РЕПУБЛИЧКИ ГЕОДЕТСКИ ЗАВОД**

**број 952-03-155/2019**

**Дана: 07.06.2019. године**

**Београд**

Републички геодетски завод, решавајући по захтеву DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO, BEOGRAD (VOŽDOVAC), у даљем тексту скраћени назив GEOSYSTEM DOO BEOGRAD, Београд-Вождовац, Заплањска 84 Ђ, стан 4, за измену решења којим је издата лиценца за рад, на основу члана 18. став 3. Закона о државном премеру и катастру («Службени гласник РС», број 72/09, 18/10, 65/13, 15/15, 96/15, 47/17, 113/17, 27/18 и 41/18) и члана 136. Закона о општем управном поступку («Службени гласник РС», број 18/2016 и 95/18), доноси

**РЕШЕЊЕ**

**МЕЊА СЕ** решење Републичког геодетског завода број 952-03-75/2010 од 22.06.2010. године, тако што се мења пословно име, уместо DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO, BEOGRAD (ZVEZDARA), уписује се DRUŠTVO ZA PROJEKTOVANJE, INŽENJERING I KONSALTING GEOSYSTEM DOO, BEOGRAD (VOŽDOVAC) и због престанка радног односа Тодоровић Милошу, геометру, те став 2. сада гласи:

Пандрц Љубодраг, дипломирани инжењер геодезије, Саковић Лазо, дипломирани инжењер геодезије, Микуловић Александра, инжењер геодезије, Петровић Александар, струковни инжењер геодезије, Богдановић Владимир, геометар, Ђаковић Александар, геометар и Живковић Милош, мастер инжењер геодезије, су запослени у GEOSYSTEM DOO BEOGRAD.

Уместо адресе седишта геодетске организације Захумска 26, Београд-Звездара, Србија, уписује се Заплањска 84Ђ, стан 4, Београд-Вождовац, Србија.

У осталом делу решење 03 број 952-03-75/2010 од 22.06.2010. године, године, остаје непромењено.

**Образложење**

Геодетска организација GEOSYSTEM DOO BEOGRAD, поднела је Републичком геодетском заводу захтев за упис због промене пословног имена, с тим да ПИБ и МБ остају непромењени, из разлога што је у Регистру



привредних субјеката Агенције за привредне регистре извршена промена адресе седишта и због престанка радног односа Тодоровић Милошу, геометру. Уз захтев је достављено решење Агенције за привредне регистре БД 43139/2019 од 08.05.2019. године. За Тодоровић Милоша, уз захтев, је достављена потврда о поднетој одјави на обавезно социјално осигурање.

Поступајући по поднетом захтеву, извршен је увид у достављено решење Агенције за привредне регистре и утврђено је да је регистрована промена пословног имена и промена адресе седишта, па је сходно одредбама члана 18. став 1. тачка 5. Закона о државном премеру и катастру («Службени гласник РС», бр. 72/09, 18/10, 65/13, 15/15, 96/15, 47/17 и 113/17, 27/18 и 41/18) и ценећи достављене исправе, утврђено да су испуњени услови за измену решења сходно одредбама члана 18. став 3. Закона о државном премеру и катастру («Службени гласник РС», бр. 72/09, 18/10, 65/13, 15/15, 96/15, 47/17, 113/17, 27/18 и 41/18), а у вези члана 16. став 1. истог Закона, па је одлучено као у ставу 1. и ставу 2. диспозитива овог решења.

Наплаћена је административна такса у износу од 310,00 динара, сходно тарифном бр. 1. Закона о републичким административним таксама ("Службени гласник РС", бр. 43/03, 51/03, 61/05, 101/05, 5/09, 54/09, 50/11, 70/11, 55/12, 93/12, 47/13, 65/13, 57/14, 45/15, 83/15, 112/15, 50/16, 61/17, 113/17, 3/18, 50/18 и 95/18) и такса за измену решења којим је издата лиценца за рад у износу од 3190,00 динара, сходно тарифном броју 215љ Закона о републичким административним таксама ("Службени гласник РС", бр. бр. 43/03, 51/03, 61/05, 101/05, 5/09, 54/09, 50/11, 70/11, 55/12, 93/12, 47/13, 65/13, 57/14, 45/15, 83/15, 112/15, 50/16, 61/17, 113/17, 3/18, 50/18 и 95/18).

Против овог решења може се изјавити жалба Министарству грађевинарства, саобраћаја и инфраструктуре, у року од 8 дана од дана пријема решења, а преко Републичког геодетског завода у Београду, ул. Булевар Војводе Мишића бр. 39, са доказом о плаћеној републичкој административној такси у износу од 470,00 динара сходно тарифном бр. 6 горе поменутог Закона, на жиро-рачун буџета Републике Србије број 840-742221843-57 са позивом на број 7801640600.



**В.Д. ПОМОЋНИКА ДИРЕКТОРА**

**Славиша Томовић, дипл.инж.геодез.**

**Доставити:**

- GEOSYSTEM DOO BEOGRAD, Београд-Вождовац, Заплањска 84 Ђ, стан 4
- СКН Вождовац
- Архиви





РЕПУБЛИКА СРБИЈА  
РЕПУБЛИЧКИ ГЕОДЕТСКИ ЗАВОД

# ЛИЦЕНЦА ЗА РАД

Решењем Републичког геодетског завода 03 број  
952-03-75/2010 од 22. јуна 2010. године

утврђено је да

**GEOSYSTEM, Београд**

МБ 17592831

испуњава услове за обављање следећих геодетских радова:

- израда техничке документације и стручни надзор над извођењем геодетских радова за које је предвиђена израда главног пројекта;
- извођење геодетских радова за које је предвиђена израда главног пројекта;
- извођење геодетских радова у поступку одржавања катастра непокретности и одржавања катастра водова;
- израда геодетских подлога у инжењерско-техничким областима за које се не израђује главни пројекат.

Број лиценце

**03 0021 10**



У Београду,  
01. октобар 2010. године

ДИРЕКТОР

*Ненад Тесла*  
Ненад Тесла, дипл.геод.инж.





## СПИСАК УЧЕСНИКА НА ИЗРАДИ ТЕХНИЧКЕ ДОКУМЕНТАЦИЈЕ

За извођење

*Геодетских радова за потребе израде пројектне документације за изградњу нових  
лучких капацитета луке Богојево*

доле наведена лица су учесници на изради пројектне документације:

**Саковић Лазо дипл.инж.геод.  
бр. Лиценце 471 5615 04**

Сарадници:

Пандрц Љубодраг  
Ђаковић Александар  
Живковић Милош

дипл.инж.геод.  
геод.тех.  
мастер.инж.геод.

Именовани испуњавају услове прописане у погледу стручне спреме и праксе, да могу самостално да изводе геодетске радове.

Именовани су дужни, да се при извођењу геодетских радова, придржавају важећих законских одредби техничких прописа, норматива и стандарда, којима је регулисана предметна област.



На основу Закона о планирању и изградњи објекта ("Сл. гласник РС", бр. 72/2009, 81/2009 испр., 64/2010 - одлука УС, 24/2011, 121/2012, 42/2013 - одлука УС, 50/2013 - одлука УС, 98/2013 - одлука УС, 132/2014, 145/2014, 83/2018, 31/2019, 37/2019 - др. закон и 9/2020), доносим:

## РЕШЕЊЕ

### О одређивању одговорног извођача радова

За одговорног извођача радова:

*Геодетских радова за потребе израде пројектне документације за изградњу нових лучких капацитета луке Богојево*

именујем:

**Саковић Лаза дипл.инж.геод.  
бр. Лиценце 471 5615 04**

Именовани испуњава услове прописане у погледу стручне спреме и праксе, да може самостално да израђује инвестиционо-техничку документацију.

Именовани је дужан, да се при изради предметне инвестиционо техничке документације, придржава важећих законских одредби техничких прописа, норматива и стандарда, којима је регулисана предметна област.

Директор



Саковић Лаза дипл.инж.геод.





ИНЖЕЊЕРСКА КОМОРА СРБИЈЕ

# ЛИЦЕНЦА

ОДГОВОРНОГ ИЗВОЂАЧА РАДОВА

На основу Закона о планирању и изградњи и  
Статута Инжењерске коморе Србије

УПРАВНИ ОДБОР ИНЖЕЊЕРСКЕ КОМОРЕ СРБИЈЕ  
утврђује да је

**Лазо Р. Саковић**

дипломирани инжењер геодезије  
ЈМБ 1603971780835

одговорни извођач радова  
геодетских радова

Број лиценце

**471 5615 04**



У Београду,  
25. марта 2004 године

ПРЕДСЕДНИК КОМОРЕ

*Милош Лазовић*

Проф. др Милош Лазовић  
дипл. грађ. инж.



Број: 02-12/374992  
Београд, 04.03.2020. године



На основу члана 14. Статута Инжењерске коморе Србије  
("СГ РС", бр. 36/19) а на лични захтев члана Коморе,  
Инжењерска комора Србије издаје

## ПОТВРДУ

Којом се потврђује да је Лазо Р. Саковић, дипл.инж.геод.  
лиценца број

**471 5615 04**

за

**одговорног извођача геодетских радова**

на дан издавања ове потврде члан Инжењерске коморе Србије, да је измирио  
обавезу плаћања чланарине Комори закључно са 18.03.2021. године,  
као и да му није изречена мера пред Судом части Инжењерске коморе Србије.



Председница Инжењерске коморе Србије

*Марица М.*  
Марица Мијајловић, дипл. инж. арх.





ИНЖЕЊЕРСКА КОМОРА СРБИЈЕ

# ЛИЦЕНЦА

ОДГОВОРНОГ ПРОЈЕКТАНТА

На основу Закона о планирању и изградњи и  
Статута Инжењерске коморе Србије

УПРАВНИ ОДБОР ИНЖЕЊЕРСКЕ КОМОРЕ СРБИЈЕ  
утврђује да је

**Лазо Р. Саковић**

дипломирани инжењер геодезије  
ЈМБ 1603971780835

одговорни пројектант  
геодетских пројеката

Број лиценце

**372 8182 04**



У Београду,  
18. марта 2004. године

ПРЕДСЕДНИК КОМОРЕ

*Милош Лазовић*

Проф. др Милош Лазовић  
дипл. грађ. инж.



Број: 02-12/408708  
Београд, 01.04.2021. године



На основу члана 14. Статута Инжењерске коморе Србије  
("СГ РС", бр. 36/19) а на лични захтев члана Коморе,  
Инжењерска комора Србије издаје

## ПОТВРДУ

Којом се потврђује да је Лазо Р. Саковић, дипл. инж. геод.  
лиценца број

**372 8182 04**

за

**одговорног пројектанта геодетских пројеката**

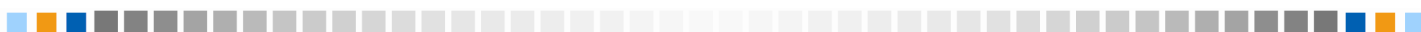
на дан издавања ове потврде члан Инжењерске коморе Србије, да је измирио  
обавезу плаћања чланарине Комори за текућу годину, односно до 18.03.2022.  
године, као и да му није изречена мера пред Судом части Инжењерске  
коморе Србије



Председница Инжењерске коморе Србије

*Марица М.*  
Марица Мијајловић, дипл. инж. арх.





На основу члана 14. Уговора о организовању Друштва са ограниченом одговорношћу "Geosystem" D.O.O. Beograd, издајем следећу:

## П О Т В Р Д У

Да је одговорни извођач геодетских радова Саковић Лазо дипл.инж.геод., који руководи

*Геодетским радовима за потребе израде пројектне документације за изградњу нових лучких капацитета луке Богојево*

лице које испуњава услове из Закона о планирању и изградњи ("Сл. гласник РС", бр. 72/2009, 81/2009 испр., 64/2010 - одлука УС, 24/2011, 121/2012, 42/2013 - одлука УС, 50/2013 - одлука УС, 98/2013 - одлука УС, 132/2014, 145/2014, 83/2018, 31/2019, 37/2019 - др. закон и 9/2020).



Директор

*Лазо Саковић*  
Саковић Лазо дипл.инж.геод.





На основу члана 14. Уговора о организовању Друштва са ограниченом одговорношћу "Geosystem" D.O.O. Beograd, издајем следећу:

## РЕШЕЊЕ

О одређивању ВРШИОЦА УНУТРАШЊЕ КОНТРОЛЕ геодетских радова и то за:

*Геодеетске радова за потребе израде пројектне документације за изградњу нових лучких капацитета луке Богојево*

именујем:

**Пандрц Љубодрага дипл.инж.геод.  
бр. Лиценце 471 G850 12**



Директор

*Лазић*  
Лазић Лазо дипл.инж.геод.





ИНЖЕЊЕРСКА КОМОРА СРБИЈЕ

# ЛИЦЕНЦА

ОДГОВОРНОГ ИЗВОЂАЧА РАДОВА

На основу Закона о планирању и изградњи и  
Статута Инжењерске коморе Србије

УПРАВНИ ОДБОР ИНЖЕЊЕРСКЕ КОМОРЕ СРБИЈЕ  
утврђује да је

**Љубодраг Д. Пандрц**

дипломирани инжењер геодезије

JMB 1403970780034

одговорни извођач радова

геодетских радова

Број лиценце

**471 G850 12**



У Београду,  
12. јула 2012. године

ПРЕДСЕДНИК КОМОРЕ

*Prof. dr Dragoslav P. Puzi*

Проф. др Драгослав П. Пузицац  
дипл. грађ. инж.



Број: 02-12/385656  
Београд, 14.07.2020. године



На основу члана 14. Статута Инжењерске коморе Србије  
("СГ РС", бр. 36/19) а на лични захтев члана Коморе,  
Инжењерска комора Србије издаје

## ПОТВРДУ

Којом се потврђује да је Љубодраг Д. Пандрц, дипл. инж. геод.  
лиценца број

**471 G850 12**

за

**одговорног извођача геодетских радова**

на дан издавања ове потврде члан Инжењерске коморе Србије, да је измирио  
обавезу плаћања чланарине Комори закључно са 12.07.2021. године,  
као и да му није изречена мера пред Судом части Инжењерске коморе Србије.



Председница Инжењерске коморе Србије

*Марица М.*  
Марица Мијајловић, дипл. инж. арх.

Ljubodrag  
Pandrc  
39652884  
5-140397  
0780034

Digitally signed by  
Ljubodrag Pandrc  
DN: cn=Ljubodrag Pandrc,  
o="GEOSYSTEM" D.O.O. Beograd,  
ou="Geodetic Surveying",  
email=Ljubodrag.Pandrc@geosystem-doo.rs,  
c=RS  
Reason: I am the author of  
this document.  
Location: your signing  
Location: here  
Date: 2020.07.17 08:35:42  
PostScript Version: 0.7.2



## ИЗЈАВА

### Одговорног извођача радова о примени важећих прописа, стандарда и техничких норматива

Овим изјављујем да сам приликом извођења Геодетских радова за потребе израде пројектне документације за изградњу нових лучких капацитета луке Богојево поштовао и примењивао важеће прописе, стандарде и техничке нормативе и Закон о планирању и изградњи ("Сл. гласник РС", бр. 72/2009, 81/2009 испр., 64/2010 - одлука УС, 24/2011, 121/2012, 42/2013 - одлука УС, 50/2013 - одлука УС, 98/2013 - одлука УС, 132/2014, 145/2014, 83/2018, 31/2019, 37/2019 - др. закон и 9/2020).

Датум: 01.10.2021. год.

Одговорни извођач:



*Lazo P. Saković*  
Саковић Лазо дипл.геод.инж.  
бр. Лиценце 471 5615 04



## ИЗЈАВА

### ВРШИОЦА УНУТРАШЊЕ КОНТРОЛЕ

Овим изјављујем да је приликом извођења Геодетских радова за потребе израде пројектне документације за изградњу нових лучких капацитета луке Богојево, извршена контрола геодетских радова и техничке документације и да је утврђена техничка исправност изведених радова и израђеног Геодетског елабората.

Датум: 01.10.2021. год.



Одговорни извођач:

Нандрић Љубодраг дип.г.геод.инж.  
бр. Лиценце 471 G850 12



## 2. ТЕКСТУАЛНА ДОКУМЕНТАЦИЈА



## 2.1. Технички извештај

### 2.1.1. Увод

„Geosystem“ д.о.о. Београд, је за потребе реализације предметног задатка, извршио неопходне припремне радње у виду сагледавања обима геодетских радова. Геодетско снимање извршено је комбинованом методом уз примену методе глобалног позиционирања (РТК ГПС метода) и применом прецизне тахиметрије.

„iC consulenten“ д.о.о. Београд је извршио хидрографско мерење у складу са захтевом за хидрографско мерење акваторије луке Богојево. Методологија хидрографског мерења детаљно је објашњена у оквиру посебног техничког извештаја фирме „iC consulenten“ д.о.о. Београд који се налази у прилогу овог Елабората.

На основу добијених резултата мерења, израђен је катастарско - топографски план (КТ план) у размери 1:1000, који ће послужили као подлога за израду пројектне документације за потребе изградње нових лучких капацитета луке Богојево.

### 2.1.2. Предмет геодетских радова

У складу са захтевима инвеститора, предмет геодетских радова је:

- детаљно снимање фактичког стања терена,
- хидрографско мерење акваторије луке Богојево
- Имплементација података батиметријског снимања у постојећи геодетски снимак
- Израда катастарско - топографског плана.

### 2.1.3. Снимање нултог стања терена

Снимања нултог стања терена за потребе израде пројектне документације за изградњу нових лучких капацитета луке Богојево, извршено је применом ГПС методе и тахиметријске методе снимања.

Резултати добијени GPS позиционирањем односе се на глобални геоцентрични референтни систем WGS84, док се државни премер изводи и изражава у државном референтном систему који се од WGS84 разликује по положају, оријентацији и размери.

GPS мерења извршена су методом RTK у мрежи перманентних станица Републике Србије (АГРОС). 3Д координате детаљних тачака снимљених у систему UTM34 (ETRF2000) трансформисане су у државни координатни систем коришћењем Хелмертове седмопараметарске трансформације (модел Bursa-Wolf), применом апликације „GriderWeb“ са интернет странице Републичког геодетског завода. Извештај трансформације детаљних тачака из UTM34 координатног система у ДКС (Gauss-Krügerova пројекција) дат је у нумеричком делу елабората.



Снимање детаљних тачака тахиметријском методом снимања извршено је са привремене геодетске мреже (SP1, SP2, ..., SP42), која је успостављена за потребе реализације предметног задатка.


Одређивање 3Д координата тачака привремене геодетске мреже извршено је применом GPS RTK методе у мрежи перманентних станица Републике Србије (АГРОС), снимањем 3х30s. Тачке привремене геодетске мреже дефинисане су у положајном и висинском смислу у систему UTM34 и представљају референтни оквир за снимање детаљних тачака тахиметријском методом снимања. Координате детаљних тачака, снимљених тахиметријском методом снимања, трансформисане су у државни координатни систем применом апликације „GriderWeb” са интернет странице Републичког геодетског завода. Извештај трансформације детаљних тачака из UTM34 координатног система у ДКС (Gauss-Krügerova пројекција) дат је у нумеричком делу елабората.

Хидрографско мерење акваторије луке Богојево извршила је фирма „iC consulenten“ д.о.о. Београд. Сва достављена мерења су референцирана на ETRS89, пројекција је UTM зона 34. Висине су сведене на НВТ2. За имплементацију у постојећи геодетски снимак извршено је трансформисање достављених података батиметријског снимања у државни координатни систем применом апликације „GriderWeb” са интернет странице Републичког геодетског завода.

Геодетско снимање и израда катастарско - топографског плана плана извршени су у складу са важећом инструкцијом РГЗ-а.

Подаци за катастарске парцеле добијени од Службе за катастар непокретности Оџаци у дигиталном облику.

Geosystem d.o.o.

  
Лазо Саковић, дипл. инж. геод.



### 3. НУМЕРИЧКА ДОКУМЕНТАЦИЈА





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11000 Beograd  
Tel +381 11 3861 006  
Fax + 381 11 3861 291  
www.geosystem-doo.com

office@geosystem-doo.

"GEOSYSTEM" D.O.O. Društvo za projektovanje, inženjering i konsalting, Beograd

ГЕОДЕТСКИ ЕЛАБОРАТ – ЕЛАБОРАТ УСПОСТАВЉАЊА ОПЕРАТИВНОГ ПОЛИГОНА



### 3.1. Оригинална ГПС мерења



Радилиште: Лука Богојево

Оператер: А. Ђаковић

## 1.Оригинална мерења (GPS)

Naziv tacke	X [m]	Y [m]	Z [m]	Mh [m]	Mv [m]	PDOP	Vreme merenja	
1	4264869.670	1565689.068	4461783.885	0.017	0.030	1.7	20.05.2019.	09:13:45
2	4264869.818	1565685.288	4461785.019	0.018	0.029	1.7	20.05.2019.	09:14:23
3	4264868.994	1565685.464	4461785.801	0.018	0.029	1.5	20.05.2019.	09:14:36
4	4264868.303	1565672.824	4461790.687	0.016	0.030	1.6	20.05.2019.	09:14:57
5	4264870.470	1565666.261	4461790.923	0.020	0.036	1.7	20.05.2019.	09:15:16
6	4264859.781	1565669.100	4461800.263	0.014	0.026	1.6	20.05.2019.	09:15:39
7	4264859.173	1565670.255	4461800.336	0.014	0.026	1.5	20.05.2019.	09:15:49
8	4264858.756	1565673.212	4461799.648	0.014	0.027	1.6	20.05.2019.	09:16:01
9	4264858.667	1565679.453	4461797.570	0.014	0.026	1.6	20.05.2019.	09:16:16
10	4264858.976	1565685.175	4461795.390	0.015	0.027	1.5	20.05.2019.	09:16:31
11	4264859.373	1565686.627	4461794.559	0.013	0.025	1.5	20.05.2019.	09:16:43
12	4264860.110	1565687.960	4461793.441	0.014	0.026	1.5	20.05.2019.	09:16:54
13	4264865.318	1565686.525	4461788.973	0.014	0.027	1.5	20.05.2019.	09:17:10
14	4264864.935	1565682.180	4461790.991	0.014	0.028	2.1	20.05.2019.	09:17:31
15	4264865.348	1565678.510	4461791.642	0.014	0.029	2.1	20.05.2019.	09:17:49
16	4264865.000	1565678.180	4461792.264	0.033	0.055	2.6	20.05.2019.	09:19:27
17	4264863.790	1565671.513	4461795.659	0.012	0.023	1.4	20.05.2019.	09:19:56
18	4264859.777	1565672.681	4461799.117	0.012	0.023	1.6	20.05.2019.	09:20:15
19	4264860.020	1565680.657	4461796.123	0.013	0.023	1.5	20.05.2019.	09:20:51
20	4264859.180	1565680.966	4461796.826	0.013	0.023	1.7	20.05.2019.	09:21:06
21	4264855.275	1565692.996	4461796.199	0.012	0.023	1.4	20.05.2019.	09:21:44
22	4264854.381	1565689.721	4461798.195	0.012	0.023	1.4	20.05.2019.	09:22:00
23	4264855.323	1565687.136	4461798.331	0.012	0.023	1.6	20.05.2019.	09:22:13
24	4264855.186	1565677.395	4461801.669	0.012	0.023	1.6	20.05.2019.	09:22:33
25	4264854.715	1565676.197	4461802.529	0.012	0.023	1.6	20.05.2019.	09:22:46
26	4264854.224	1565675.852	4461803.079	0.013	0.025	1.6	20.05.2019.	09:23:00
27	4264852.314	1565675.538	4461805.085	0.014	0.028	2.7	20.05.2019.	09:23:12
28	4264854.186	1565676.392	4461803.256	0.013	0.028	2.2	20.05.2019.	09:23:31
29	4264854.481	1565677.011	4461802.682	0.012	0.023	1.6	20.05.2019.	09:23:45
30	4264854.540	1565682.170	4461800.835	0.012	0.023	1.6	20.05.2019.	09:24:04
31	4264845.447	1565677.591	4461811.058	0.014	0.025	1.8	20.05.2019.	09:24:32
32	4264835.559	1565680.541	4461819.488	0.012	0.023	1.6	20.05.2019.	09:24:54
33	4264834.391	1565681.587	4461820.283	0.013	0.029	2.3	20.05.2019.	09:25:23
34	4264833.852	1565682.554	4461820.387	0.013	0.029	2.3	20.05.2019.	09:25:33
35	4264833.836	1565683.695	4461820.029	0.019	0.036	1.6	20.05.2019.	09:25:46
36	4264834.586	1565682.679	4461819.971	0.016	0.030	1.7	20.05.2019.	09:26:01
37	4264837.006	1565687.222	4461815.866	0.013	0.026	1.8	20.05.2019.	09:26:27
38	4264834.923	1565690.829	4461816.455	0.013	0.025	1.8	20.05.2019.	09:26:45
39	4264838.198	1565693.738	4461812.302	0.012	0.028	2.4	20.05.2019.	09:27:01
40	4264842.326	1565693.070	4461808.568	0.013	0.029	2.4	20.05.2019.	09:27:14
41	4264843.103	1565696.680	4461806.529	0.013	0.024	1.6	20.05.2019.	09:27:37
42	4264842.492	1565690.257	4461809.630	0.010	0.029	3.1	20.05.2019.	09:28:03
43	4264844.590	1565689.692	4461807.818	0.015	0.028	1.6	20.05.2019.	09:28:27
44	4264844.716	1565687.791	4461808.335	0.015	0.033	2.3	20.05.2019.	09:28:48
45	4264842.605	1565688.109	4461810.158	0.017	0.034	2.4	20.05.2019.	09:29:10
46	4264843.276	1565687.809	4461809.714	0.019	0.036	2.9	20.05.2019.	09:29:33
47	4264843.219	1565685.443	4461810.531	0.015	0.033	2.3	20.05.2019.	09:29:46
48	4264852.039	1565671.112	4461806.974	0.013	0.026	1.7	20.05.2019.	09:30:22
49	4264853.289	1565670.157	4461806.142	0.013	0.025	1.7	20.05.2019.	09:30:36
50	4264854.377	1565668.736	4461805.545	0.013	0.025	1.6	20.05.2019.	09:30:49
51	4264855.226	1565666.717	4461805.491	0.012	0.027	2.3	20.05.2019.	09:31:02
52	4264854.338	1565667.655	4461806.048	0.014	0.026	1.6	20.05.2019.	09:31:15
53	4264854.441	1565662.867	4461807.782	0.013	0.030	2.3	20.05.2019.	09:32:09
54	4264854.418	1565657.743	4461809.569	0.014	0.032	2.3	20.05.2019.	09:32:30
55	4264855.092	1565658.061	4461808.483	0.013	0.031	3.4	20.05.2019.	09:32:45
56	4264854.332	1565656.773	4461809.705	0.015	0.033	2.5	20.05.2019.	09:32:58
57	4264853.297	1565655.957	4461811.029	0.015	0.033	2.5	20.05.2019.	09:33:10
58	4264851.690	1565656.028	4461812.593	0.016	0.033	4.4	20.05.2019.	09:33:21
59	4264855.250	1565634.370	4461816.756	0.016	0.034	2.4	20.05.2019.	09:34:07
60	4264854.460	1565644.107	4461814.393	0.019	0.035	2.6	20.05.2019.	09:34:44
61	4264855.153	1565647.658	4461812.131	0.015	0.035	2.6	20.05.2019.	09:35:00
62	4264854.464	1565648.359	4461812.841	0.015	0.035	2.6	20.05.2019.	09:35:19
63	4264854.375	1565649.061	4461812.474	0.015	0.034	2.6	20.05.2019.	09:35:29
64	4264853.454	1565650.256	4461813.066	0.016	0.038	2.6	20.05.2019.	09:35:42



65	4264854.140	1565650.196	4461812.575	0.016	0.037	2.6	20.05.2019.	09:36:00
66	4264852.308	1565651.097	4461813.913	0.017	0.038	2.6	20.05.2019.	09:36:13
67	4264840.885	1565654.587	4461823.534	0.013	0.031	2.5	20.05.2019.	09:36:40
68	4264840.710	1565659.431	4461822.024	0.015	0.035	2.5	20.05.2019.	09:36:54
69	4264837.599	1565667.676	4461822.205	0.014	0.033	2.5	20.05.2019.	09:37:19
70	4264837.585	1565666.869	4461822.387	0.013	0.030	2.5	20.05.2019.	09:37:35
71	4264830.936	1565669.552	4461827.865	0.017	0.040	2.5	20.05.2019.	09:37:59
72	4264834.319	1565676.207	4461822.326	0.015	0.035	2.9	20.05.2019.	09:38:21
73	4264832.866	1565676.315	4461823.627	0.012	0.032	2.9	20.05.2019.	09:38:32
74	4264831.723	1565675.767	4461824.987	0.014	0.031	2.9	20.05.2019.	09:38:42
75	4264830.758	1565674.485	4461826.306	0.011	0.027	2.5	20.05.2019.	09:38:53
76	4264830.248	1565672.829	4461827.447	0.021	0.049	2.4	20.05.2019.	09:40:02
77	4264828.905	1565665.042	4461831.356	0.012	0.031	3.6	20.05.2019.	09:40:18
78	4264829.293	1565663.766	4461831.539	0.013	0.030	2.4	20.05.2019.	09:40:27
79	4264830.084	1565662.865	4461831.075	0.012	0.027	2.4	20.05.2019.	09:40:35
80	4264830.965	1565662.522	4461830.465	0.011	0.026	2.4	20.05.2019.	09:40:44
81	4264829.353	1565658.167	4461833.501	0.011	0.025	2.4	20.05.2019.	09:41:20
82	4264827.969	1565658.460	4461834.679	0.018	0.040	2.6	20.05.2019.	09:41:36
83	4264826.893	1565658.147	4461835.892	0.012	0.032	4.3	20.05.2019.	09:41:46
84	4264826.069	1565657.009	4461837.025	0.015	0.029	3.9	20.05.2019.	09:41:56
85	4264825.324	1565655.420	4461838.413	0.018	0.027	3.1	20.05.2019.	09:42:07
86	4264824.540	1565653.268	4461839.814	0.017	0.028	3.1	20.05.2019.	09:42:17
87	4264820.930	1565655.610	4461842.491	0.020	0.033	3.1	20.05.2019.	09:42:34
88	4264826.757	1565652.141	4461838.307	0.017	0.029	3.0	20.05.2019.	09:42:55
89	4264838.746	1565648.681	4461827.961	0.021	0.023	2.1	20.05.2019.	09:43:30
90	4264839.095	1565649.361	4461827.135	0.022	0.025	2.1	20.05.2019.	09:43:44
91	4264835.826	1565649.347	4461830.737	0.027	0.035	2.5	20.05.2019.	09:44:13
92	4264836.066	1565649.305	4461830.445	0.026	0.034	2.5	20.05.2019.	09:44:25
93	4264831.281	1565633.120	4461840.149	0.023	0.049	7.3	20.05.2019.	09:47:17
94	4264840.506	1565626.538	4461833.877	0.020	0.044	2.6	20.05.2019.	09:47:38
95	4264844.838	1565642.962	4461824.004	0.019	0.041	2.6	20.05.2019.	09:48:05
96	4264836.957	1565613.081	4461841.955	0.015	0.032	2.4	20.05.2019.	09:48:47
97	4264835.096	1565614.227	4461843.176	0.020	0.042	2.4	20.05.2019.	09:48:59
98	4264827.659	1565619.418	4461848.383	0.018	0.048	3.3	20.05.2019.	09:49:24
99	4264832.285	1565603.584	4461849.653	0.026	0.058	4.5	20.05.2019.	09:51:05
100	4264831.901	1565601.847	4461850.630	0.037	0.060	5.0	20.05.2019.	09:52:22
101	4264830.994	1565604.279	4461850.560	0.028	0.056	4.1	20.05.2019.	09:56:09
102	4264825.297	1565610.118	4461853.932	0.022	0.059	5.8	20.05.2019.	09:56:29
103	4264823.761	1565611.722	4461854.699	0.027	0.058	4.5	20.05.2019.	09:59:04
104	4264815.552	1565627.455	4461857.023	0.025	0.052	2.2	20.05.2019.	10:01:01
105	4264814.934	1565627.782	4461857.518	0.021	0.045	2.2	20.05.2019.	10:01:17
106	4264812.347	1565629.759	4461859.368	0.016	0.033	2.2	20.05.2019.	10:01:34
107	4264811.775	1565630.051	4461859.920	0.016	0.032	2.3	20.05.2019.	10:01:50
108	4264803.272	1565602.068	4461877.667	0.016	0.032	2.2	20.05.2019.	10:02:34
109	4264803.730	1565601.632	4461877.386	0.017	0.034	2.2	20.05.2019.	10:02:43
110	4264806.638	1565599.809	4461875.074	0.015	0.034	2.5	20.05.2019.	10:03:00
111	4264807.324	1565599.315	4461874.575	0.015	0.033	2.4	20.05.2019.	10:03:14
112	4264813.081	1565596.443	4461870.345	0.017	0.033	2.8	20.05.2019.	10:03:40
113	4264821.691	1565589.407	4461864.333	0.021	0.043	4.9	20.05.2019.	10:04:02
114	4264811.041	1565613.527	4461866.284	0.017	0.033	2.1	20.05.2019.	10:05:11
115	4264817.051	1565611.802	4461860.913	0.031	0.054	3.9	20.05.2019.	10:06:28
116	4264817.190	1565611.961	4461861.039	0.037	0.053	3.5	20.05.2019.	10:10:30
117	4264817.176	1565611.939	4461861.041	0.037	0.053	3.5	20.05.2019.	10:10:37
118	4264806.305	1565593.056	4461877.567	0.017	0.028	1.9	20.05.2019.	10:12:55
119	4264806.509	1565589.704	4461878.498	0.023	0.034	2.2	20.05.2019.	10:13:11
120	4264807.928	1565586.667	4461878.168	0.019	0.028	1.7	20.05.2019.	10:13:24
121	4264811.047	1565583.074	4461876.473	0.017	0.025	1.7	20.05.2019.	10:13:38
122	4264809.680	1565579.839	4461878.884	0.016	0.024	1.7	20.05.2019.	10:13:54
123	4264806.132	1565581.854	4461881.513	0.017	0.025	1.9	20.05.2019.	10:14:11
124	4264804.493	1565581.526	4461883.232	0.017	0.025	1.7	20.05.2019.	10:14:27
125	4264803.134	1565578.991	4461885.466	0.017	0.025	1.7	20.05.2019.	10:14:46
126	4264800.952	1565572.247	4461889.951	0.017	0.026	1.7	20.05.2019.	10:15:06
127	4264798.214	1565565.075	4461895.040	0.016	0.024	1.7	20.05.2019.	10:15:26
128	4264797.264	1565566.602	4461895.398	0.017	0.025	1.7	20.05.2019.	10:16:01
129	4264800.823	1565576.799	4461888.546	0.016	0.024	1.7	20.05.2019.	10:16:24
130	4264802.534	1565581.150	4461885.434	0.017	0.025	1.8	20.05.2019.	10:16:40
131	4264800.399	1565589.975	4461884.643	0.015	0.025	1.8	20.05.2019.	10:16:59
132	4264799.857	1565590.434	4461885.148	0.017	0.026	1.7	20.05.2019.	10:17:18
133	4264796.396	1565574.016	4461893.909	0.016	0.024	8.3	20.05.2019.	10:17:53
134	4264795.631	1565570.637	4461896.041	0.036	0.055	6.3	20.05.2019.	10:18:09
135	4264794.075	1565568.232	4461897.973	0.028	0.041	2.2	20.05.2019.	10:18:22
136	4264792.678	1565571.072	4461898.542	0.025	0.036	1.7	20.05.2019.	10:18:42
137	4264793.712	1565570.294	4461897.793	0.033	0.051	2.0	20.05.2019.	10:18:57
138	4264792.193	1565570.615	4461899.129	0.040	0.059	1.7	20.05.2019.	10:19:12
139	4264791.649	1565571.133	4461899.788	0.035	0.051	1.8	20.05.2019.	10:19:38



140	4264796.137	1565575.682	4461893.649	0.024	0.041	1.6	20.05.2019.	10:20:16
141	4264797.773	1565582.602	4461889.699	0.012	0.020	1.6	20.05.2019.	10:20:40
142	4264798.691	1565590.262	4461886.338	0.017	0.028	1.6	20.05.2019.	10:21:36
143	4264797.150	1565591.256	4461887.434	0.023	0.039	1.6	20.05.2019.	10:21:52
144	4264796.622	1565591.689	4461887.907	0.024	0.042	1.8	20.05.2019.	10:22:04
145	4264803.047	1565605.039	4461876.848	0.012	0.021	1.6	20.05.2019.	10:22:46
146	4264802.612	1565605.553	4461877.161	0.011	0.020	1.7	20.05.2019.	10:23:00
147	4264800.564	1565607.157	4461878.588	0.011	0.019	1.8	20.05.2019.	10:23:13
148	4264800.017	1565607.517	4461879.131	0.011	0.019	1.8	20.05.2019.	10:23:24
149	4264807.130	1565618.951	4461868.218	0.037	0.055	2.0	20.05.2019.	10:24:14
150	4264805.850	1565619.777	4461868.836	0.033	0.056	1.7	20.05.2019.	10:24:39
151	4264803.310	1565618.788	4461872.012	0.029	0.049	9.9	20.05.2019.	10:26:07
152	4264802.063	1565616.174	4461874.539	0.017	0.030	1.9	20.05.2019.	10:27:18
153	4264806.025	1565629.066	4461866.662	0.027	0.044	1.8	20.05.2019.	10:28:04
154	4264814.442	1565643.271	4461852.603	0.028	0.045	1.4	20.05.2019.	10:29:54
155	4264813.209	1565643.960	4461853.361	0.013	0.022	1.4	20.05.2019.	10:30:14
156	4264810.740	1565642.737	4461856.510	0.024	0.039	1.8	20.05.2019.	10:32:31
157	4264810.499	1565643.290	4461857.267	0.032	0.052	1.7	20.05.2019.	10:33:47
158	4264820.067	1565662.245	4461840.694	0.033	0.043	1.7	20.05.2019.	10:34:38
159	4264827.378	1565692.869	4461823.951	0.015	0.024	1.4	20.05.2019.	10:39:59
160	4264827.400	1565692.462	4461823.201	0.037	0.057	1.7	20.05.2019.	10:40:20
161	4264828.507	1565691.871	4461822.439	0.036	0.057	1.4	20.05.2019.	10:41:24
162	4264829.950	1565690.091	4461820.346	0.036	0.057	1.5	20.05.2019.	10:43:43
163	4264826.866	1565675.202	4461829.688	0.032	0.050	1.6	20.05.2019.	10:46:03
164	4264826.089	1565675.710	4461830.303	0.032	0.047	1.8	20.05.2019.	10:46:16
165	4264823.855	1565668.412	4461834.904	0.032	0.050	1.8	20.05.2019.	10:46:42
166	4264821.362	1565661.344	4461839.812	0.035	0.048	1.7	20.05.2019.	10:47:00
167	4264818.477	1565652.360	4461845.633	0.028	0.046	1.4	20.05.2019.	10:47:25
168	4264832.723	1565694.506	4461817.244	0.025	0.036	1.9	20.05.2019.	10:48:20
169	4264834.284	1565698.975	4461814.212	0.022	0.027	1.9	20.05.2019.	10:50:27
170	4264836.822	1565700.253	4461811.264	0.032	0.046	1.3	20.05.2019.	10:50:47
171	4264842.938	1565698.744	4461806.295	0.019	0.031	1.2	20.05.2019.	10:51:20
172	4264849.603	1565697.619	4461800.366	0.018	0.030	1.5	20.05.2019.	10:51:45
173	4264856.177	1565696.659	4461794.535	0.032	0.039	3.2	20.05.2019.	10:52:04
174	4264862.906	1565695.648	4461788.346	0.039	0.056	2.9	20.05.2019.	10:52:28
175	4264855.867	1565699.563	4461793.619	0.032	0.051	1.6	20.05.2019.	10:56:38
176	4264849.374	1565700.585	4461799.563	0.030	0.052	1.7	20.05.2019.	10:57:04
177	4264842.724	1565701.571	4461805.467	0.018	0.030	1.4	20.05.2019.	10:57:28
178	4264836.583	1565701.710	4461810.985	0.017	0.028	1.3	20.05.2019.	10:58:02
179	4264834.665	1565718.287	4461807.165	0.024	0.036	1.7	20.05.2019.	11:06:06
180	4264837.981	1565716.973	4461804.423	0.012	0.017	1.3	20.05.2019.	11:06:24
181	4264839.137	1565714.830	4461804.142	0.011	0.016	1.4	20.05.2019.	11:06:48
182	4264844.833	1565711.133	4461800.034	0.012	0.018	1.3	20.05.2019.	11:07:08
183	4264843.572	1565705.272	4461803.147	0.012	0.016	1.3	20.05.2019.	11:07:27
184	4264858.779	1565702.280	4461789.916	0.017	0.021	1.8	20.05.2019.	11:08:07
185	4264864.390	1565698.761	4461785.662	0.032	0.047	2.0	20.05.2019.	11:08:28
186	4264864.263	1565702.762	4461784.417	0.039	0.051	2.1	20.05.2019.	11:08:51
187	4264857.059	1565692.536	4461794.827	0.013	0.019	1.4	20.05.2019.	11:10:02
188	4264840.038	1565687.146	4461812.904	0.033	0.049	2.1	20.05.2019.	11:10:49
189	4264837.530	1565681.024	4461817.625	0.026	0.039	2.1	20.05.2019.	11:11:31
190	4264839.450	1565680.409	4461816.027	0.038	0.060	2.8	20.05.2019.	11:11:49
191	4264837.473	1565686.741	4461815.434	0.012	0.019	3.5	20.05.2019.	11:12:15
192	4264834.042	1565674.787	4461823.126	0.016	0.023	1.4	20.05.2019.	11:14:05
193	4264832.298	1565675.300	4461824.682	0.012	0.018	1.4	20.05.2019.	11:14:26
194	4264832.325	1565669.568	4461826.614	0.013	0.018	1.9	20.05.2019.	11:14:48
195	4264831.854	1565668.883	4461827.269	0.014	0.020	1.7	20.05.2019.	11:15:07
196	4264831.803	1565663.208	4461829.262	0.014	0.020	1.7	20.05.2019.	11:15:35
197	4264833.603	1565662.632	4461827.751	0.012	0.019	1.7	20.05.2019.	11:15:53
198	4264829.046	1565657.631	4461833.904	0.023	0.034	1.8	20.05.2019.	11:16:12
199	4264827.254	1565658.138	4461835.437	0.016	0.021	1.9	20.05.2019.	11:16:24
200	4264827.214	1565652.516	4461837.417	0.013	0.018	1.8	20.05.2019.	11:16:53
201	4264824.350	1565639.771	4461844.939	0.026	0.050	6.6	20.05.2019.	11:17:56
202	4264828.521	1565636.708	4461841.669	0.015	0.025	1.5	20.05.2019.	11:20:13
203	4264826.307	1565628.241	4461846.405	0.030	0.032	4.8	20.05.2019.	11:21:41
204	4264806.267	1565566.728	4461886.877	0.011	0.019	1.5	20.05.2019.	11:24:39
205	4264818.717	1565556.256	4461878.288	0.010	0.016	1.5	20.05.2019.	11:25:06
206	4264825.759	1565553.448	4461872.621	0.012	0.020	1.5	20.05.2019.	11:25:29
207	4264831.192	1565558.775	4461865.687	0.015	0.025	1.5	20.05.2019.	11:26:59
208	4264829.860	1565561.401	4461866.045	0.013	0.022	1.5	20.05.2019.	11:27:09
209	4264826.581	1565565.843	4461867.712	0.011	0.019	1.7	20.05.2019.	11:27:21
210	4264828.146	1565568.895	4461865.197	0.010	0.017	1.5	20.05.2019.	11:28:05
211	4264835.184	1565560.899	4461861.239	0.010	0.018	1.6	20.05.2019.	11:28:24
212	4264839.486	1565556.987	4461858.466	0.010	0.017	1.7	20.05.2019.	11:28:40
213	4264843.059	1565557.352	4461855.126	0.010	0.017	1.5	20.05.2019.	11:28:53
214	4264845.148	1565560.399	4461852.175	0.010	0.017	1.5	20.05.2019.	11:29:05



215	4264847.215	1565566.152	4461848.309	0.010	0.016	1.5	20.05.2019.	11:29:20
216	4264851.143	1565562.051	4461845.880	0.011	0.018	1.5	20.05.2019.	11:29:34
217	4264846.294	1565553.110	4461853.588	0.011	0.019	1.5	20.05.2019.	11:30:33
218	4264842.583	1565547.403	4461858.894	0.010	0.017	1.6	20.05.2019.	11:30:49
219	4264839.881	1565541.689	4461863.398	0.011	0.019	1.5	20.05.2019.	11:31:03
220	4264839.699	1565534.656	4461865.986	0.012	0.021	1.5	20.05.2019.	11:31:17
221	4264844.488	1565529.720	4461863.112	0.012	0.020	1.5	20.05.2019.	11:31:34
222	4264839.101	1565519.198	4461871.912	0.009	0.016	1.5	20.05.2019.	11:32:03
223	4264831.080	1565500.232	4461886.091	0.010	0.017	1.7	20.05.2019.	11:32:33
224	4264827.276	1565491.869	4461892.602	0.010	0.016	1.8	20.05.2019.	11:32:54
225	4264825.658	1565479.726	4461898.493	0.010	0.017	1.5	20.05.2019.	11:33:17
226	4264820.994	1565484.879	4461900.929	0.010	0.016	1.5	20.05.2019.	11:33:56
227	4264814.541	1565490.095	4461905.192	0.010	0.016	1.5	20.05.2019.	11:34:12
228	4264808.205	1565495.337	4461909.251	0.010	0.018	2.0	20.05.2019.	11:34:30
229	4264805.021	1565495.651	4461912.157	0.024	0.041	3.2	20.05.2019.	11:34:48
230	4264811.167	1565489.802	4461908.136	0.025	0.047	2.9	20.05.2019.	11:35:09
231	4264823.193	1565489.468	4461897.240	0.012	0.020	1.6	20.05.2019.	11:36:49
232	4264825.465	1565496.327	4461892.724	0.011	0.018	1.6	20.05.2019.	11:37:08
233	4264829.332	1565507.937	4461885.010	0.011	0.019	1.6	20.05.2019.	11:37:34
234	4264829.178	1565512.786	4461883.487	0.010	0.017	1.6	20.05.2019.	11:37:47
235	4264833.829	1565523.698	4461875.269	0.010	0.017	1.6	20.05.2019.	11:38:06
236	4264831.188	1565528.802	4461875.989	0.010	0.017	1.5	20.05.2019.	11:38:19
237	4264823.711	1565537.777	4461879.944	0.010	0.016	1.5	20.05.2019.	11:38:37
238	4264819.706	1565539.118	4461883.179	0.010	0.016	1.5	20.05.2019.	11:39:04
239	4264812.292	1565528.655	4461893.880	0.012	0.019	1.7	20.05.2019.	11:39:26
240	4264806.943	1565516.938	4461902.913	0.010	0.017	1.6	20.05.2019.	11:39:51
241	4264811.868	1565502.950	4461903.103	0.010	0.016	1.5	20.05.2019.	11:40:58
242	4264820.973	1565494.219	4461897.682	0.009	0.017	1.7	20.05.2019.	11:41:22
243	4264823.277	1565498.382	4461894.090	0.010	0.016	1.5	20.05.2019.	11:41:38
244	4264799.455	1565506.894	4461913.520	0.013	0.023	1.9	20.05.2019.	11:43:05
245	4264793.715	1565512.160	4461917.329	0.014	0.026	2.0	20.05.2019.	11:43:27
246	4264783.634	1565519.834	4461924.414	0.014	0.026	2.4	20.05.2019.	11:43:47
247	4264784.088	1565531.527	4461919.875	0.011	0.019	1.6	20.05.2019.	11:46:00
248	4264786.252	1565525.439	4461919.902	0.011	0.018	2.1	20.05.2019.	11:46:15
249	4264794.554	1565518.049	4461914.441	0.011	0.018	1.6	20.05.2019.	11:46:34
250	4264800.506	1565522.495	4461907.269	0.011	0.019	1.6	20.05.2019.	11:46:56
251	4264802.338	1565528.380	4461903.474	0.010	0.017	1.3	20.05.2019.	11:47:19
252	4264799.498	1565531.989	4461904.951	0.010	0.016	1.4	20.05.2019.	11:47:33
253	4264789.038	1565542.049	4461911.646	0.017	0.028	1.5	20.05.2019.	11:47:56
254	4264792.747	1565547.238	4461906.302	0.017	0.029	1.8	20.05.2019.	11:48:11
255	4264797.692	1565541.997	4461903.337	0.015	0.024	1.5	20.05.2019.	11:48:28
256	4264796.862	1565539.932	4461904.793	0.020	0.033	1.5	20.05.2019.	11:48:39
257	4264807.503	1565529.268	4461898.213	0.018	0.029	1.3	20.05.2019.	11:49:00
258	4264811.962	1565541.787	4461889.829	0.015	0.025	1.4	20.05.2019.	11:49:22
259	4264801.622	1565550.560	4461896.749	0.010	0.016	1.4	20.05.2019.	11:49:58
260	4264794.632	1565554.691	4461902.029	0.011	0.018	1.4	20.05.2019.	11:50:23
261	4264800.873	1565566.280	4461892.248	0.011	0.019	1.4	20.05.2019.	11:50:51
262	4264810.204	1565557.607	4461886.277	0.010	0.017	1.5	20.05.2019.	11:51:17
263	4264817.518	1565551.421	4461881.326	0.010	0.017	1.4	20.05.2019.	11:51:39
264	4264814.762	1565545.714	4461885.840	0.010	0.016	1.7	20.05.2019.	11:51:59
265	4264807.906	1565552.864	4461889.946	0.010	0.015	1.4	20.05.2019.	11:52:19
266	4264799.632	1565562.808	4461894.495	0.010	0.015	1.5	20.05.2019.	11:52:42
267	4264827.534	1565541.532	4461875.124	0.012	0.018	1.4	20.05.2019.	11:53:29
268	4264837.160	1565547.574	4461863.952	0.010	0.016	1.5	20.05.2019.	11:53:54
SP1a	4264767.129	1565494.653	4461949.634	0.016	0.027	1.9	20.05.2019.	12:03:52
SP1b	4264767.180	1565494.659	4461949.664	0.021	0.035	1.9	20.05.2019.	12:04:27
SP1c	4264767.147	1565494.652	4461949.654	0.019	0.032	1.9	20.05.2019.	12:05:02
Buso	4264810.444	1565621.347	4461863.978	0.017	0.028	1.7	20.05.2019.	12:13:19
Buso	4264792.893	1565554.493	4461903.737	0.030	0.051	1.6	20.05.2019.	12:14:43
Buso	4264780.495	1565520.099	4461927.270	0.023	0.038	3.9	20.05.2019.	12:15:37
SP2a	4264784.968	1565529.454	4461919.785	0.014	0.023	1.9	20.05.2019.	12:16:59
SP2b	4264784.972	1565529.455	4461919.795	0.013	0.019	1.7	20.05.2019.	12:17:33
SP2c	4264784.980	1565529.459	4461919.788	0.012	0.018	1.5	20.05.2019.	12:18:07
341	4264800.871	1565434.903	4461939.037	0.023	0.030	2.1	20.05.2019.	13:50:10
342	4264800.986	1565434.010	4461939.312	0.027	0.041	1.7	20.05.2019.	13:50:23
343	4264800.540	1565432.144	4461940.464	0.015	0.023	1.5	20.05.2019.	13:50:36
344	4264799.370	1565430.027	4461942.353	0.040	0.057	1.9	20.05.2019.	13:50:50
345	4264799.746	1565426.869	4461944.358	0.023	0.036	1.7	20.05.2019.	13:52:53
346	4264796.759	1565424.899	4461950.131	0.035	0.052	2.1	20.05.2019.	13:53:11
347	4264818.563	1565418.341	4461928.640	0.020	0.029	1.7	20.05.2019.	13:54:02
348	4264817.324	1565415.633	4461930.579	0.021	0.037	2.0	20.05.2019.	13:54:14
349	4264816.365	1565413.611	4461932.248	0.023	0.033	1.8	20.05.2019.	13:54:26
350	4264813.705	1565410.716	4461938.033	0.020	0.030	1.7	20.05.2019.	13:54:50
351	4264813.099	1565407.965	4461940.875	0.024	0.038	1.5	20.05.2019.	13:55:08
352	4264832.034	1565405.544	4461920.049	0.028	0.041	1.4	20.05.2019.	14:06:42



353	4264830.321	1565402.911	4461922.528	0.016	0.026	1.4	20.05.2019.	14:10:21
354	4264829.194	1565401.014	4461924.326	0.022	0.029	1.8	20.05.2019.	14:10:31
355	4264828.527	1565399.370	4461925.701	0.039	0.058	1.8	20.05.2019.	14:10:56
356	4264827.854	1565398.298	4461929.040	0.034	0.055	1.4	20.05.2019.	14:11:57
357	4264827.045	1565395.610	4461931.617	0.021	0.032	1.7	20.05.2019.	14:12:19
358	4264841.678	1565378.515	4461925.108	0.027	0.045	1.4	20.05.2019.	14:13:24
359	4264842.423	1565382.426	4461921.109	0.036	0.059	1.4	20.05.2019.	14:13:49
360	4264843.558	1565386.192	4461916.265	0.033	0.053	1.4	20.05.2019.	14:14:08
361	4264843.884	1565386.956	4461915.537	0.025	0.041	1.4	20.05.2019.	14:14:19
362	4264844.648	1565389.467	4461913.707	0.036	0.059	1.5	20.05.2019.	14:14:38
363	4264846.807	1565394.927	4461909.484	0.022	0.037	1.7	20.05.2019.	14:15:13
364	4264847.706	1565398.951	4461906.155	0.013	0.019	1.6	20.05.2019.	14:19:18
SP3a	4264760.040	1565470.896	4461965.794	0.026	0.037	2.0	21.05.2019.	07:48:10
SP3b	4264760.057	1565470.896	4461965.837	0.014	0.023	1.8	21.05.2019.	07:48:44
SP3c	4264760.040	1565470.888	4461965.816	0.016	0.025	1.7	21.05.2019.	07:49:18
SP4a	4264832.971	1565400.286	4461920.753	0.026	0.040	1.6	21.05.2019.	07:52:11
SP4b	4264832.991	1565400.290	4461920.761	0.019	0.030	1.6	21.05.2019.	07:52:45
SP4c	4264832.997	1565400.287	4461920.769	0.016	0.024	1.5	21.05.2019.	07:53:19
SP5a	4264755.201	1565481.994	4461966.036	0.030	0.057	1.8	21.05.2019.	07:57:34
SP5b	4264755.219	1565481.992	4461966.025	0.025	0.041	2.5	21.05.2019.	07:57:53
SP5c	4264755.192	1565481.951	4461966.044	0.018	0.032	2.3	21.05.2019.	07:58:04
SP6a	4264925.377	1565312.852	4461863.558	0.011	0.029	2.7	21.05.2019.	09:41:32
SP6b	4264925.354	1565312.853	4461863.548	0.010	0.027	2.6	21.05.2019.	09:42:04
SP6c	4264925.287	1565312.789	4461863.518	0.011	0.028	2.5	21.05.2019.	09:45:13
SP7a	4264964.029	1565273.762	4461839.987	0.012	0.029	2.4	21.05.2019.	09:47:30
SP7b	4264964.065	1565273.778	4461840.005	0.013	0.031	2.4	21.05.2019.	09:48:03
SP7c	4264964.028	1565273.764	4461839.978	0.014	0.032	2.3	21.05.2019.	09:50:06
557	4265003.469	1565246.320	4461812.338	0.030	0.057	1.9	21.05.2019.	11:26:31
558	4265004.314	1565243.030	4461813.437	0.024	0.042	1.7	21.05.2019.	11:26:53
559	4265002.492	1565240.133	4461816.501	0.024	0.042	2.7	21.05.2019.	11:27:05
560	4265010.214	1565237.434	4461810.082	0.014	0.026	1.7	21.05.2019.	11:27:27
561	4265008.844	1565234.490	4461812.440	0.012	0.022	2.1	21.05.2019.	11:27:37
562	4265013.079	1565231.061	4461809.852	0.013	0.024	1.7	21.05.2019.	11:27:53
563	4265014.049	1565233.444	4461807.992	0.012	0.021	1.7	21.05.2019.	11:28:04
564	4265017.851	1565230.571	4461805.418	0.011	0.019	1.7	21.05.2019.	11:28:16
565	4265021.451	1565228.804	4461802.334	0.011	0.019	1.7	21.05.2019.	11:28:32
566	4265026.517	1565227.022	4461797.532	0.031	0.055	1.7	21.05.2019.	11:28:47
567	4265030.058	1565226.605	4461794.121	0.030	0.057	1.8	21.05.2019.	11:28:59
568	4265030.544	1565223.507	4461794.670	0.025	0.041	2.5	21.05.2019.	11:29:09
569	4265028.227	1565223.492	4461797.245	0.018	0.032	2.3	21.05.2019.	11:29:21
570	4265027.445	1565222.042	4461798.460	0.021	0.041	3.1	21.05.2019.	11:29:34
571	4265026.891	1565219.819	4461800.072	0.022	0.042	2.5	21.05.2019.	11:29:53
572	4265026.798	1565217.095	4461801.621	0.030	0.058	2.5	21.05.2019.	11:30:04
573	4265026.967	1565215.632	4461802.114	0.016	0.026	2.3	21.05.2019.	11:30:28
574	4265027.844	1565213.962	4461802.295	0.016	0.030	3.1	21.05.2019.	11:30:39
575	4265029.794	1565210.407	4461802.337	0.026	0.046	2.1	21.05.2019.	11:30:54
576	4265027.972	1565209.639	4461804.553	0.018	0.034	1.7	21.05.2019.	11:31:28
577	4265025.288	1565214.313	4461804.619	0.013	0.021	2.4	21.05.2019.	11:31:41
578	4265023.777	1565216.662	4461804.997	0.011	0.020	1.8	21.05.2019.	11:31:51
579	4265021.665	1565220.045	4461805.676	0.013	0.023	1.7	21.05.2019.	11:32:52
580	4265019.849	1565222.804	4461806.354	0.024	0.043	2.1	21.05.2019.	11:33:13
581	4265017.628	1565225.393	4461807.682	0.011	0.017	2.1	21.05.2019.	11:33:48
582	4265015.086	1565227.046	4461809.633	0.013	0.023	1.7	21.05.2019.	11:34:02
583	4265011.989	1565228.091	4461812.422	0.012	0.022	1.7	21.05.2019.	11:34:22
584	4265008.451	1565229.482	4461815.807	0.018	0.034	2.1	21.05.2019.	11:34:35
585	4265008.366	1565233.151	4461814.034	0.013	0.023	1.9	21.05.2019.	11:34:47
586	4265003.802	1565232.032	4461820.024	0.013	0.023	2.1	21.05.2019.	11:35:02
587	4265003.915	1565235.393	4461818.706	0.013	0.022	1.9	21.05.2019.	11:35:15
588	4264997.528	1565236.772	4461825.733	0.013	0.025	2.7	21.05.2019.	11:35:30
589	4264998.000	1565240.189	4461824.046	0.025	0.040	2.1	21.05.2019.	11:35:42
590	4265000.771	1565228.588	4461827.014	0.016	0.028	1.8	21.05.2019.	11:37:14
591	4265017.967	1565216.269	4461814.107	0.013	0.024	1.8	21.05.2019.	11:38:12
592	4265021.134	1565233.696	4461800.336	0.012	0.021	1.7	21.05.2019.	11:38:49
593	4265021.853	1565240.312	4461796.703	0.012	0.021	1.9	21.05.2019.	11:39:17
594	4265014.194	1565249.661	4461799.966	0.012	0.021	1.9	21.05.2019.	11:39:49
595	4265007.598	1565253.266	4461805.125	0.012	0.022	2.2	21.05.2019.	11:40:10
SP8a	4265014.926	1565232.223	4461807.717	0.011	0.019	1.9	21.05.2019.	11:42:55
SP8b	4265014.917	1565232.230	4461807.715	0.009	0.018	1.9	21.05.2019.	11:43:33
SP8c	4265014.917	1565232.225	4461807.728	0.010	0.019	1.9	21.05.2019.	11:44:09
SP9a	4265046.372	1565220.718	4461777.954	0.013	0.023	1.7	21.05.2019.	11:49:10
SP9b	4265046.367	1565220.753	4461777.938	0.012	0.022	1.7	21.05.2019.	11:49:44
SP9c	4265046.372	1565220.735	4461777.937	0.018	0.034	2.1	21.05.2019.	11:50:18
SP10a	4265070.135	1565210.579	4461757.829	0.013	0.023	1.9	21.05.2019.	11:54:11
SP10b	4265070.115	1565210.559	4461757.805	0.013	0.023	2.1	21.05.2019.	11:54:45
SP10c	4265070.130	1565210.560	4461757.822	0.013	0.022	1.9	21.05.2019.	11:55:19



SP11a	4265115.701	1565225.168	4461709.391	0.034	0.048	1.4	21.05.2019.	12:49:29
SP11b	4265115.705	1565225.170	4461709.390	0.034	0.050	1.7	21.05.2019.	12:50:02
SP11c	4265115.719	1565225.160	4461709.390	0.029	0.041	1.6	21.05.2019.	12:50:36
SP12a	4265196.709	1565140.012	4461661.588	0.011	0.015	1.3	21.05.2019.	12:54:30
SP12b	4265196.711	1565140.011	4461661.594	0.012	0.016	1.3	21.05.2019.	12:55:03
SP12c	4265196.706	1565140.010	4461661.601	0.012	0.017	1.3	21.05.2019.	12:55:35
1001	4264787.501	1565565.363	4461905.119	0.013	0.021	1.9	17.07.2019.	09:57:05
1002	4264789.771	1565577.467	4461898.627	0.025	0.038	2.9	17.07.2019.	09:57:35
1003	4264793.455	1565586.725	4461892.275	0.017	0.028	1.9	17.07.2019.	09:57:59
1004	4264797.015	1565605.318	4461882.168	0.029	0.047	2.0	17.07.2019.	10:02:02
1005	4264787.013	1565591.409	4461892.680	0.017	0.025	2.0	17.07.2019.	10:04:03
1006	4264781.084	1565574.813	4461903.490	0.022	0.030	2.6	17.07.2019.	10:09:02
1007	4264764.615	1565575.597	4461917.808	0.017	0.027	1.7	17.07.2019.	10:09:50
1008	4264766.828	1565582.345	4461913.081	0.031	0.050	1.7	17.07.2019.	10:10:15
1009	4264770.552	1565590.466	4461906.981	0.014	0.023	1.7	17.07.2019.	10:10:36
1010	4264775.599	1565601.691	4461898.418	0.015	0.023	1.9	17.07.2019.	10:10:56
1011	4264766.352	1565608.244	4461903.107	0.013	0.020	1.7	17.07.2019.	10:11:43
1012	4264760.953	1565602.127	4461911.290	0.012	0.020	1.7	17.07.2019.	10:12:26
1013	4264753.674	1565597.640	4461919.507	0.012	0.020	1.7	17.07.2019.	10:12:49
1014	4264749.113	1565585.772	4461928.033	0.022	0.035	4.6	17.07.2019.	10:13:14
1015	4264745.589	1565592.914	4461925.541	0.021	0.033	1.7	17.07.2019.	10:15:13
1016	4264752.164	1565606.821	4461914.481	0.022	0.035	1.7	17.07.2019.	10:19:12
1017	4264761.542	1565612.034	4461903.663	0.014	0.023	1.7	17.07.2019.	10:21:40
1018	4264737.431	1565575.474	4461942.013	0.029	0.044	1.7	17.07.2019.	10:29:03
1019	4264731.890	1565579.075	4461943.207	0.034	0.051	1.9	17.07.2019.	10:30:11
1020	4264728.652	1565573.554	4461948.223	0.023	0.035	1.9	17.07.2019.	10:30:55
1021	4264727.658	1565568.532	4461950.863	0.039	0.058	1.7	17.07.2019.	10:31:36
1022	4264728.139	1565563.656	4461952.280	0.019	0.030	1.7	17.07.2019.	10:32:21
1023	4264733.400	1565568.747	4461948.138	0.032	0.050	1.8	17.07.2019.	10:37:49
1024	4264733.573	1565564.763	4461950.411	0.034	0.054	1.4	17.07.2019.	10:38:09
1025	4264737.111	1565556.649	4461950.940	0.033	0.052	1.7	17.07.2019.	10:38:50
1026	4264742.448	1565546.921	4461949.214	0.027	0.041	1.9	17.07.2019.	10:40:51
1027	4264745.930	1565545.506	4461946.685	0.065	0.092	2.1	17.07.2019.	10:41:09
SP2a	4264757.237	1565462.110	4461971.497	0.019	0.033	2.1	17.07.2019.	10:54:32
SP2b	4264757.203	1565462.100	4461971.448	0.017	0.030	2.1	17.07.2019.	10:55:31
SP2c	4264757.215	1565462.111	4461971.460	0.016	0.028	2.1	17.07.2019.	10:56:16
SP23a	4264741.314	1565492.301	4461969.961	0.024	0.036	1.7	20.05.2019.	11:06:06
SP23b	4264741.292	1565492.304	4461969.963	0.012	0.017	1.3	20.05.2019.	11:06:34
SP23c	4264741.321	1565492.344	4461970.003	0.011	0.016	1.4	20.05.2019.	11:07:18
SP21a	4264755.190	1565481.995	4461966.057	0.014	0.020	1.7	20.05.2019.	11:15:35
SP21b	4264755.212	1565481.984	4461966.033	0.012	0.019	1.7	20.05.2019.	11:16:03
SP21c	4264755.218	1565481.982	4461966.033	0.023	0.034	1.8	20.05.2019.	11:16:42
SP25a	4264747.349	1565501.356	4461960.420	0.011	0.019	1.5	20.05.2019.	11:24:39
SP25b	4264747.350	1565501.367	4461960.438	0.010	0.016	1.5	20.05.2019.	11:25:10
SP25c	4264747.343	1565501.363	4461960.421	0.012	0.020	1.5	20.05.2019.	11:25:41
SP26a	4264719.571	1565505.849	4461986.040	0.010	0.016	1.5	20.05.2019.	11:29:20
SP26b	4264719.598	1565505.831	4461986.054	0.011	0.018	1.5	20.05.2019.	11:29:54
SP26c	4264719.580	1565505.836	4461986.045	0.011	0.019	1.5	20.05.2019.	11:30:33
SP27a	4264706.217	1565528.510	4461988.737	0.010	0.016	1.5	20.05.2019.	11:33:56
SP27b	4264706.233	1565528.510	4461988.748	0.010	0.016	1.5	20.05.2019.	11:34:12
SP27c	4264706.225	1565528.501	4461988.730	0.010	0.018	2.0	20.05.2019.	11:34:43
SP24a	4264756.634	1565500.301	4461953.701	0.010	0.016	1.5	20.05.2019.	11:38:37
SP24b	4264756.652	1565500.294	4461953.683	0.010	0.016	1.5	20.05.2019.	11:39:04
SP24c	4264756.631	1565500.294	4461953.683	0.012	0.019	1.7	20.05.2019.	11:39:36
SP28a	4264755.240	1565530.045	4461943.337	0.010	0.017	1.4	20.05.2019.	11:51:39
SP28b	4264755.252	1565530.044	4461943.333	0.010	0.016	1.7	20.05.2019.	11:52:10
SP28c	4264755.258	1565530.032	4461943.353	0.010	0.015	1.4	20.05.2019.	11:52:49
SP30a	4264749.229	1565529.366	4461949.240	0.024	0.038	1.5	20.05.2019.	13:55:08
SP30b	4264749.240	1565529.347	4461949.218	0.028	0.041	1.4	20.05.2019.	13:55:42
SP30c	4264749.233	1565529.363	4461949.221	0.016	0.026	1.4	20.05.2019.	13:56:21
SP29a	4264742.031	1565523.769	4461958.310	0.021	0.032	1.7	20.05.2019.	14:12:19
SP29b	4264742.048	1565523.741	4461958.324	0.027	0.045	1.4	20.05.2019.	14:13:24
SP29c	4264742.040	1565523.746	4461958.315	0.036	0.059	1.4	20.05.2019.	14:13:59
SP31a	4264723.607	1565551.920	4461962.157	0.036	0.059	1.5	20.05.2019.	14:14:38
SP31b	4264723.613	1565551.940	4461962.138	0.022	0.037	1.7	20.05.2019.	14:15:13
SP31c	4264723.605	1565551.921	4461962.140	0.013	0.019	1.6	20.05.2019.	14:15:58





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ГЕОДЕТСКИ ЕЛАБОРАТ – ЕЛАБОРАТ УСПОСТАВЉАЊА ОПЕРАТИВНОГ ПОЛИГОНА



### 3.2. Тахиметријски записник



\*\*\*\*\*  
\* Tahimetrijski zapisnik \*  
\*\*\*\*\*

Posao: Luka Bogojewo  
Datum: 20.05.2019  
Instrument: TCR1201  
S.N.: 212507  
Operator:

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
Faktor razmere: 0.9996									
Datum: 20.05.2019									
Vreme: 11:11:55									
SP1	1.440						433184.870	4947371.580	121.470
SP2	1.700	147 57 40					433210.960	4947329.890	120.900
SP2	1.700	327 57 40					433210.969	4947329.876	120.870
271	1.700	157 36 36	090 54 28	29.848	29.832	-0.733	433196.233	4947343.997	120.737
272	1.700	141 58 40	090 05 13	67.647	67.620	-0.362	433226.521	4947318.311	121.108
273	1.700	139 16 14	090 02 09	67.929	67.902	-0.302	433229.175	4947320.124	121.168
274	1.700	138 30 17	090 00 51	68.874	68.846	-0.277	433230.485	4947320.014	121.193
275	1.700	142 28 00	090 10 37	53.724	53.703	-0.426	433217.587	4947328.994	121.044
276	1.700	138 59 35	090 05 57	53.490	53.469	-0.352	433219.953	4947331.231	121.118
277	1.700	138 01 04	090 05 59	53.383	53.362	-0.353	433220.564	4947331.913	121.117
278	1.700	142 22 44	090 21 38	38.825	38.809	-0.504	433208.560	4947340.841	120.966
279	1.700	137 33 03	090 16 59	38.666	38.650	-0.451	433210.957	4947343.061	121.019
280	1.700	136 21 08	090 15 37	38.167	38.151	-0.433	433211.203	4947343.974	121.037
281	1.700	136 23 14	090 32 13	30.482	30.469	-0.546	433205.887	4947349.520	120.924
282	1.700	141 31 33	090 36 45	31.077	31.063	-0.592	433204.196	4947347.261	120.878
283	1.700	147 17 04	090 28 58	31.098	31.084	-0.522	433201.670	4947345.427	120.948
284	1.700	147 24 19	090 41 27	27.283	27.270	-0.589	433199.560	4947348.605	120.881
285	1.700	148 48 56	090 57 55	24.325	24.312	-0.670	433197.459	4947350.781	120.800
286	1.700	152 05 03	091 49 47	21.512	21.493	-0.947	433194.932	4947352.588	120.523
287	1.700	157 59 42	092 54 43	19.128	19.095	-1.232	433192.025	4947353.876	120.238
288	1.700	169 22 44	094 42 33	17.350	17.284	-1.684	433188.056	4947354.592	119.786
289	1.700	179 34 27	095 19 53	17.347	17.265	-1.872	433184.998	4947354.315	119.598
290	1.700	186 46 42	095 32 01	18.246	18.154	-2.019	433182.727	4947353.553	119.451
291	1.700	188 27 05	094 35 42	19.738	19.667	-1.841	433181.980	4947352.127	119.629
292	1.700	174 34 17	093 27 26	27.840	27.778	-1.939	433187.498	4947343.927	119.531
293	1.700	171 14 50	093 32 16	27.872	27.808	-1.980	433189.101	4947344.096	119.490
294	1.700	169 38 28	092 20 40	22.240	22.212	-1.170	433188.864	4947349.730	120.300
295	1.700	209 46 14	095 49 03	17.216	17.120	-2.005	433176.369	4947356.719	119.465
296	1.700	209 59 57	097 17 16	15.056	14.928	-2.170	433177.406	4947358.652	119.300
297	1.700	206 45 56	096 28 48	15.519	15.413	-2.011	433177.929	4947357.818	119.459
298	1.700	201 19 34	094 29 58	24.179	24.095	-2.157	433176.107	4947349.135	119.313
299	1.700	200 27 14	093 36 53	24.993	24.933	-1.836	433176.157	4947348.219	119.634
300	1.700	241 16 30	098 04 51	13.618	13.477	-2.174	433173.052	4947365.103	119.296
301	1.700	249 18 01	097 53 22	13.949	13.811	-2.175	433171.950	4947366.698	119.295
302	1.700	244 30 47	095 46 41	20.736	20.622	-2.348	433166.254	4947362.706	119.122
303	1.700	247 20 07	096 25 31	16.035	15.928	-2.054	433170.172	4947365.442	119.416
304	1.700	275 16 56	096 34 03	17.686	17.563	-2.283	433167.381	4947373.197	119.187
305	1.700	143 07 36	090 39 08	13.802	13.796	-0.417	433193.148	4947360.544	121.053
306	1.700	144 08 22	091 45 37	15.278	15.264	-0.729	433193.812	4947359.209	120.741
307	1.700	146 25 59	092 29 01	15.440	15.420	-0.929	433193.396	4947358.732	120.541
308	1.700	149 19 48	093 33 15	14.711	14.676	-1.172	433192.356	4947358.956	120.298
309	1.700	149 05 29	091 27 44	14.592	14.581	-0.632	433192.360	4947359.069	120.838
310	1.700	156 54 02	096 45 12	11.915	11.828	-1.661	433189.510	4947360.700	119.809
311	1.700	169 25 13	101 54 07	7.647	7.479	-1.837	433186.243	4947364.228	119.633
312	1.700	168 11 18	093 29 32	7.430	7.413	-0.713	433186.387	4947364.324	120.757
313	1.700	185 30 04	106 33 06	5.501	5.271	-1.827	433184.365	4947366.333	119.643
314	1.700	274 52 41	106 42 33	6.383	6.111	-2.095	433178.781	4947372.100	119.375
315	1.700	298 51 03	098 29 40	12.612	12.469	-2.123	433173.949	4947377.597	119.347
316	2.350	296 48 23	095 03 41	13.755	13.696	-2.124	433172.646	4947377.756	119.346
317	1.700	302 11 23	094 42 26	17.615	17.549	-1.706	433170.019	4947380.929	119.764
318	1.700	307 31 06	090 07 08	18.787	18.780	-0.299	433169.975	4947383.017	121.171
319	1.700	319 01 01	087 19 56	17.071	17.046	0.535	433173.691	4947384.448	122.005
320	1.700	309 31 09	089 22 19	20.140	20.131	-0.039	433169.341	4947384.390	121.431
321	2.000	298 49 48	089 45 02	22.055	22.046	-0.464	433165.556	4947382.211	121.006
322	1.700	318 30 35	087 17 23	19.399	19.370	0.657	433172.038	4947386.089	122.127
323	1.700	315 21 06	087 23 32	19.678	19.650	0.635	433171.061	4947385.560	122.105
324	1.700	316 56 06	087 37 19	25.312	25.280	0.790	433167.608	4947390.049	122.260
325	3.500	334 56 35	083 55 17	25.735	25.580	0.665	433174.036	4947394.753	122.135
326	3.500	340 53 36	081 38 38	18.185	17.985	0.583	433178.983	4947388.574	122.053



327	3.500	339	30	20	081	48	20	18.606	18.409	0.592	433178.425	4947388.824	122.062
328	1.700	332	09	18	087	18	40	17.926	17.899	0.581	433176.510	4947387.407	122.051
329	1.700	329	47	44	087	51	49	23.851	23.824	0.629	433172.884	4947392.170	122.099
330	1.700	335	49	26	087	25	05	17.267	17.242	0.518	433177.809	4947387.310	121.988
331	1.700	336	57	48	087	32	26	14.820	14.800	0.376	433179.079	4947385.200	121.846
332	1.700	319	44	16	087	13	05	13.647	13.626	0.402	433176.064	4947381.978	121.872
333	1.700	322	57	09	086	02	22	5.455	5.439	0.117	433181.593	4947375.921	121.587
334	1.700	000	22	03	087	03	27	6.764	6.752	0.087	433184.913	4947378.332	121.557
335	1.700	330	01	11	076	31	23	0.933	0.907	-0.043	433184.417	4947372.366	121.427
336	1.700	141	50	22	089	38	56	6.322	6.319	-0.221	433188.774	4947366.611	121.249
337	1.700	120	15	19	090	35	20	11.555	11.550	-0.379	433194.847	4947365.760	121.091
338	1.700	122	53	39	090	43	40	12.291	12.285	-0.416	433195.185	4947364.908	121.054
339	1.700	131	57	02	090	45	41	22.292	22.282	-0.556	433201.441	4947356.685	120.914
340	1.700	084	35	41	089	16	42	5.197	5.195	-0.195	433190.041	4947372.069	121.275
SP2	1.700	147	57	39									

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h				
Faktor razmere: 0.9996													
Datum: 21.05.2019													
Vreme: 06:43:29													
SP3	1.610						433165.250	4947393.720	122.270				
SP4	1.700	235	59	06			433073.220	4947331.610	121.980				
	SP4	1.700	055	59	06		433073.224	4947331.612	122.030				
365	2.800	241	22	19	087	19	21	51.708	51.630	1.225	433119.931	4947368.983	123.495
366	3.400	241	53	31	086	33	11	52.229	52.113	1.350	433119.283	4947369.168	123.620
367	3.750	244	28	33	085	33	43	52.607	52.428	1.931	433117.939	4947371.129	124.201
368	0.900	230	11	23	091	14	34	34.300	34.278	-0.034	433138.918	4947371.774	122.236
369	1.700	233	52	18	089	52	24	33.936	33.922	-0.015	433137.851	4947373.720	122.255
370	1.700	239	07	39	089	39	52	34.039	34.025	0.109	433136.046	4947376.261	122.379
371	3.200	241	45	13	086	46	01	33.986	33.918	0.327	433135.371	4947377.668	122.597
372	3.200	243	44	21	085	15	29	33.126	32.999	1.148	433135.657	4947379.119	123.418
373	4.000	253	04	35	082	17	52	33.533	33.217	2.104	433133.472	4947384.051	124.374
374	3.800	247	16	25	081	13	56	21.232	20.976	1.046	433145.903	4947385.617	123.316
375	1.700	222	26	04	089	14	16	16.461	16.453	0.129	433154.149	4947381.577	122.399
376	1.700	229	35	23	089	40	50	16.136	16.129	-0.000	433152.969	4947383.264	122.270
377	1.700	240	45	32	089	30	06	15.767	15.760	0.047	433151.498	4947386.021	122.317
378	1.700	241	36	01	089	23	31	12.381	12.375	0.041	433154.364	4947387.834	122.311
379	1.700	249	07	42	088	17	12	9.281	9.274	0.187	433156.585	4947390.416	122.457
380	2.800	246	04	32	085	30	03	17.031	16.972	0.146	433149.736	4947386.837	122.416
381	1.700	259	07	44	086	03	42	9.974	9.946	0.595	433155.482	4947391.844	122.865
382	2.800	263	54	34	081	55	57	18.674	18.482	1.431	433146.872	4947391.759	123.701
383	2.800	257	28	05	082	05	07	19.097	18.907	1.440	433146.793	4947389.618	123.710
384	3.500	263	40	12	080	31	43	31.102	30.666	3.228	433134.771	4947390.339	125.498
385	2.800	270	49	06	081	36	16	31.616	31.265	3.426	433133.989	4947394.167	125.696
386	2.800	275	49	23	082	24	20	19.192	19.016	1.346	433146.332	4947395.649	123.616
387	2.800	280	34	00	082	21	54	16.413	16.261	0.991	433149.265	4947396.702	123.261
388	1.700	291	45	56	087	33	03	13.200	13.183	0.474	433153.007	4947398.608	122.744
389	1.700	312	33	01	089	32	29	11.021	11.016	-0.002	433157.134	4947401.170	122.268
390	1.700	318	19	09	090	18	13	11.435	11.430	-0.151	433157.649	4947402.257	122.119
391	1.700	309	18	19	089	51	42	8.528	8.525	-0.069	433158.654	4947399.120	122.201
392	1.700	290	11	00	088	50	05	6.710	6.706	0.046	433158.956	4947396.034	122.316
393	1.700	266	52	30	087	07	50	6.723	6.712	0.247	433158.548	4947393.354	122.517
394	1.700	253	03	44	087	27	14	8.003	7.992	0.265	433157.605	4947391.392	122.535
395	1.700	216	02	46	088	48	11	7.760	7.755	0.072	433160.687	4947387.450	122.342
396	1.700	225	26	57	089	23	11	9.871	9.866	0.016	433158.219	4947386.798	122.286
397	1.700	220	00	02	088	17	15	5.902	5.897	0.086	433161.460	4947389.203	122.356
398	1.700	200	01	21	090	43	01	6.060	6.057	-0.166	433163.176	4947388.029	122.104
399	1.700	218	26	45	087	07	20	3.057	3.052	0.063	433163.352	4947391.330	122.333
400	1.700	267	52	50	084	52	54	0.750	0.746	-0.023	433164.504	4947393.692	122.247
401	1.700	345	13	09	090	06	45	3.617	3.615	-0.097	433164.328	4947397.216	122.173
402	1.700	338	50	11	090	27	35	7.702	7.698	-0.152	433162.471	4947400.899	122.118
403	1.700	344	19	02	090	32	09	9.785	9.781	-0.182	433162.606	4947403.137	122.088
404	1.700	332	08	15	090	31	53	15.098	15.091	-0.230	433158.197	4947407.062	122.040
405	1.700	319	51	31	090	23	05	15.237	15.230	-0.192	433155.431	4947405.363	122.078
406	1.700	329	31	44	090	23	07	19.832	19.824	-0.223	433155.197	4947410.806	122.047
407	1.700	334	39	43	091	36	28	18.697	18.682	-0.615	433157.255	4947410.605	121.655
408	1.700	339	40	54	090	15	19	15.932	15.925	-0.161	433159.720	4947408.654	122.109
409	1.700	340	16	39	093	13	48	17.642	17.607	-1.084	433159.308	4947410.294	121.186
410	1.700	340	01	55	092	04	27	21.267	21.244	-0.860	433157.995	4947413.687	121.410
411	1.700	340	31	47	091	46	04	22.745	22.725	-0.792	433157.675	4947415.145	121.478
412	1.700	327	21	32	090	17	06	25.700	25.690	-0.218	433151.394	4947415.352	122.052
413	3.700	004	48	22	089	45	42	17.701	17.694	-2.016	433166.733	4947411.352	120.254
414	3.700	002	51	20	089	45	37	16.393	16.386	-2.021	433166.066	4947410.086	120.249
415	3.700	000	35	47	090	04	07	13.713	13.708	-2.106	433165.393	4947407.427	120.164



416	3.700	027	50	02	091	55	55	16.371	16.355	-2.642	433172.886	4947408.183	119.628
417	3.700	027	17	12	092	00	25	15.188	15.172	-2.622	433172.206	4947407.204	119.648
418	3.700	030	07	03	092	18	51	12.118	12.104	-2.579	433171.323	4947404.190	119.691
419	3.700	047	56	45	093	03	45	16.992	16.961	-2.998	433177.844	4947405.081	119.272
420	3.700	048	22	16	093	07	31	15.675	15.645	-2.945	433176.944	4947404.113	119.325
421	3.700	050	36	44	093	29	11	12.846	12.817	-2.871	433175.156	4947401.853	119.399
422	3.700	067	54	31	093	47	15	17.709	17.663	-3.260	433181.617	4947400.363	119.010
423	3.700	069	59	03	093	59	23	14.801	14.759	-3.120	433179.117	4947398.772	119.150
SP5	2.000	087	28	13	089	52	15	12.094	12.090	-0.363	433177.328	4947394.254	121.907
SP4	1.700	235	59	03									

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
Faktor razmere: 0.9996									
Datum: 21.05.2019									
Vreme: 07:35:24									
SP5	1.620						433177.328	4947394.254	121.907
SP3	1.610	267	28	13			433165.250	4947393.720	122.270
SP3	1.610	087	28	13			433165.254	4947393.720	122.264
424	1.610	267	33	20	088	32	8.677	8.670	0.231
425	1.610	307	49	49	090	01	16.181	16.174	0.002
426	1.610	299	10	58	089	42	8.501	8.497	0.053
427	1.610	336	26	27	095	14	4.004	3.985	-0.356
428	1.610	005	08	31	091	13	1.225	1.225	-0.016
429	1.610	109	31	20	092	25	1.276	1.274	-0.044
430	1.610	194	49	50	090	12	1.577	1.576	0.004
431	1.610	270	40	25	089	45	1.511	1.510	0.016
432	1.610	234	09	32	088	34	0.850	0.849	0.031
433	1.610	148	47	32	094	25	5.613	5.594	-0.423
434	1.610	157	50	17	093	52	10.461	10.434	-0.695
435	1.610	146	53	32	092	15	22.693	22.667	-0.881
436	1.610	146	25	43	091	26	35.302	35.277	-0.875
437	1.610	143	44	41	091	25	35.490	35.465	-0.874
438	2.000	124	31	58	106	32	9.783	9.375	-3.165
439	2.000	105	48	32	105	13	11.075	10.682	-3.289
440	2.000	095	10	56	103	20	11.985	11.657	-3.147
441	2.000	078	43	46	119	28	5.310	4.621	-2.992
442	2.000	068	04	43	109	38	8.018	7.549	-3.075
443	2.000	135	49	42	098	45	18.259	18.039	-3.162
444	2.000	127	27	28	098	54	19.077	18.839	-3.332
445	2.000	131	25	18	095	39	26.672	26.532	-3.012
446	0.100	137	41	41	099	28	26.413	26.043	-2.829
447	0.100	136	35	54	098	13	29.594	29.277	-2.717
448	0.100	134	15	26	097	24	32.561	32.276	-2.678
449	2.000	129	57	21	094	00	36.025	35.923	-2.895
450	2.000	127	15	53	094	11	33.832	33.728	-2.852
451	2.000	130	20	18	094	26	30.849	30.744	-2.767
452	2.000	131	24	08	094	49	28.898	28.783	-2.815
453	2.650	123	46	35	093	43	32.565	32.483	-3.146
454	2.100	121	26	58	094	31	32.275	32.162	-3.025
455	1.610	126	18	33	097	05	28.837	28.605	-3.549
456	2.800	120	39	04	095	57	23.129	22.995	-3.583
457	2.800	122	02	36	095	07	22.095	21.998	-3.153
458	2.180	114	38	31	099	13	18.947	18.695	-3.598
459	1.610	094	59	08	103	52	13.853	13.444	-3.310
460	1.610	076	35	45	106	38	12.322	11.801	-3.519
461	1.610	031	48	09	104	25	15.248	14.762	-3.789
462	1.610	054	51	05	101	54	19.962	19.524	-4.110
463	1.700	064	55	34	102	46	16.490	16.076	-3.725
464	3.300	072	18	31	095	30	24.753	24.629	-4.055
465	0.700	088	23	41	103	00	17.733	17.272	-3.070
SP3	1.610	267	28	15			433194.593	4947394.737	118.837

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
Faktor razmere: 0.9996									
Datum: 21.05.2019									
Vreme: 08:39:02									
SP6	1.570						432958.520	4947252.380	121.960
SP7	1.700	237	18	03			432908.190	4947220.070	121.690
SP7	1.700	057	18	03			432908.198	4947220.075	121.655
471	2.800	043	03	40	085	52	72.219	72.003	3.966
472	2.800	048	05	13	087	18	67.965	67.863	1.953
473	0.400	052	55	41	090	29	66.608	66.579	0.589
474	2.800	053	57	13	088	29	66.389	66.339	0.524
							433012.158	4947291.417	122.484



475	1.610	056	27	46	089	33	39	66.522	66.494	0.470	433013.944	4947289.116	122.430
476	0.500	061	30	48	090	50	14	66.790	66.756	0.094	433017.194	4947284.219	122.054
477	1.000	064	43	31	090	55	24	67.697	67.661	-0.521	433019.704	4947281.268	121.439
478	0.600	064	13	44	091	11	48	59.301	59.264	-0.268	433011.889	4947278.147	121.692
479	1.610	072	34	28	090	47	52	42.116	42.095	-0.626	432998.683	4947264.986	121.334
480	0.400	065	31	12	091	35	44	40.441	40.409	0.044	432995.297	4947269.125	122.004
481	1.610	058	04	48	089	25	05	39.263	39.245	0.359	432991.831	4947273.130	122.319
482	1.610	053	53	15	089	25	12	39.121	39.104	0.356	432990.111	4947275.427	122.316
483	1.610	050	45	35	088	15	01	38.670	38.636	1.141	432988.444	4947276.820	123.101
484	1.610	040	12	22	085	50	29	39.472	39.353	2.822	432983.924	4947282.435	124.782
485	1.610	036	56	33	085	26	43	40.525	40.381	3.178	432982.790	4947284.654	125.138
486	1.610	068	10	25	089	58	46	27.689	27.678	-0.030	432984.214	4947262.670	121.930
487	1.610	080	13	38	091	01	37	25.165	25.151	-0.491	432983.306	4947256.649	121.469
488	1.610	073	34	58	090	22	38	20.662	20.654	-0.176	432978.332	4947258.217	121.784
489	1.610	082	51	08	090	12	41	15.606	15.600	-0.098	432973.999	4947254.321	121.862
490	0.500	094	16	49	094	08	41	19.559	19.500	-0.344	432977.966	4947250.925	121.616
491	1.610	082	44	40	089	52	07	13.084	13.078	-0.010	432971.494	4947254.032	121.950
492	1.610	064	05	21	089	39	02	14.120	14.114	0.046	432971.215	4947258.547	122.006
493	1.610	049	41	18	089	12	36	14.638	14.630	0.162	432969.676	4947261.845	122.122
494	1.610	039	19	20	086	01	06	15.680	15.636	1.049	432968.428	4947264.476	123.009
495	1.950	007	55	34	078	23	13	22.771	22.296	4.204	432961.595	4947274.463	126.164
496	1.610	059	37	08	089	25	17	27.444	27.431	0.237	432982.185	4947266.253	122.197
497	1.610	053	31	01	089	21	34	27.669	27.656	0.269	432980.757	4947268.824	122.229
498	1.610	075	43	57	088	29	54	2.126	2.125	0.016	432960.579	4947252.904	121.976
499	1.610	359	21	05	087	14	05	4.039	4.033	0.155	432958.474	4947256.413	122.115
500	1.610	351	59	53	085	10	53	5.509	5.488	0.423	432957.756	4947257.814	122.383
501	1.610	350	41	46	080	39	50	5.616	5.540	0.871	432957.624	4947257.847	122.831
502	1.610	267	30	56	089	19	24	11.269	11.264	0.093	432947.267	4947251.892	122.053
503	1.610	267	37	29	083	43	46	11.225	11.153	1.186	432947.376	4947251.918	123.146
504	1.610	259	30	41	089	42	54	10.469	10.464	0.012	432948.230	4947250.475	121.972
505	1.610	237	44	07	090	25	44	10.567	10.562	-0.119	432949.589	4947246.742	121.841
506	1.610	205	13	10	091	40	13	13.790	13.779	-0.442	432952.649	4947239.915	121.518
507	1.610	184	51	20	092	47	46	16.159	16.134	-0.828	432957.154	4947236.304	121.132
508	1.610	238	20	09	090	53	56	36.135	36.116	-0.607	432927.780	4947233.421	121.353
509	1.610	245	16	42	090	38	20	36.611	36.594	-0.448	432925.279	4947237.076	121.512
510	1.610	246	36	54	090	26	51	36.927	36.912	-0.328	432924.640	4947237.730	121.632
511	0.000	246	40	05	090	17	10	36.918	36.903	1.386	432924.634	4947237.764	123.346
512	1.610	235	42	16	090	29	32	38.134	38.117	-0.368	432927.030	4947230.902	121.592
513	1.610	235	31	59	091	04	54	34.125	34.106	-0.684	432930.401	4947233.079	121.276
514	1.610	234	50	49	090	47	05	34.147	34.130	-0.508	432930.615	4947232.729	121.452
515	1.610	225	10	36	090	06	50	39.948	39.932	-0.119	432930.197	4947224.231	121.841
516	1.610	223	38	26	090	10	01	38.938	38.922	-0.153	432931.659	4947224.213	121.807
517	1.610	222	24	08	090	15	43	35.017	35.003	-0.200	432934.916	4947226.533	121.760
518	1.610	221	45	13	090	46	29	35.137	35.120	-0.515	432935.133	4947226.180	121.445
519	0.000	225	33	43	088	22	21	37.303	37.273	2.629	432927.779	4947221.301	124.589
520	0.000	223	13	56	090	01	38	38.034	38.018	1.552	432932.479	4947224.680	123.512
521	1.610	301	50	50	076	32	23	18.488	17.973	4.263	432943.253	4947261.863	126.223
522	1.000	266	16	39	083	21	49	33.493	33.255	4.441	432925.335	4947250.221	126.401
SP7	1.700	237	18	00									

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
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Faktor	razmere: 0.9996								
Datum:	21.05.2019								
Vreme:	09:31:54								
SP7	1.580						432908.190	4947220.070	121.690
SP6	1.700	057 18 03					432958.520	4947252.380	121.960
	SP6	1.700	237 18 03				432958.523	4947252.382	121.996
523	1.700	089 51 59	089 30 45	24.257	24.246	0.086	432932.436	4947220.126	121.776
524	1.700	041 20 10	089 20 04	21.779	21.769	0.133	432922.568	4947236.415	121.823
525	1.700	029 54 50	089 12 37	13.272	13.265	0.063	432914.805	4947231.568	121.753
526	0.000	029 50 32	089 12 39	13.264	13.258	1.763	432914.787	4947231.570	123.453
527	1.700	034 24 48	089 39 21	12.850	12.844	-0.043	432915.449	4947230.666	121.647
528	1.700	054 17 18	090 16 51	12.285	12.280	-0.180	432918.161	4947227.238	121.510
529	1.700	326 04 33	084 23 45	4.522	4.499	0.322	432905.679	4947223.803	122.012
530	0.200	326 04 30	084 23 44	4.522	4.499	1.822	432905.679	4947223.803	123.512
531	1.700	327 14 26	086 05 23	3.135	3.126	0.094	432906.498	4947222.699	121.784
532	1.900	110 39 46	080 47 40	1.393	1.374	-0.097	432909.476	4947219.585	121.593
533	1.700	144 07 58	091 12 26	14.886	14.877	-0.434	432916.906	4947208.014	121.256
534	1.700	143 54 50	089 30 16	10.935	10.931	-0.025	432914.628	4947211.237	121.665
535	1.700	249 45 59	087 02 08	11.417	11.397	0.470	432897.496	4947216.128	122.160
536	0.000	250 00 23	088 54 44	11.414	11.407	1.797	432897.470	4947216.170	123.487
537	1.700	239 58 16	088 02 27	11.774	11.763	0.283	432898.006	4947214.183	121.973
538	1.700	220 39 31	088 37 13	11.590	11.582	0.159	432900.643	4947211.284	121.849
539	1.700	238 10 44	087 49 23	19.896	19.874	0.636	432891.303	4947209.591	122.326





540	1.700	238	37	43	085	52	48	19.779	19.720	1.301	432891.353	4947209.804	122.991
541	1.700	234	51	04	088	39	05	19.973	19.960	0.350	432891.870	4947208.579	122.040
542	1.700	221	18	25	088	49	04	19.496	19.485	0.282	432895.328	4947205.434	121.972
543	1.700	209	36	20	089	18	08	20.674	20.664	0.132	432897.981	4947202.104	121.822
544	1.700	194	49	22	090	33	50	23.406	23.396	-0.350	432902.205	4947197.453	121.340
545	1.700	234	02	04	088	42	53	34.335	34.313	0.650	432880.418	4947199.918	122.340
546	1.700	232	18	37	088	50	40	34.346	34.325	0.573	432881.027	4947199.084	122.263
547	1.700	225	18	16	088	58	06	34.314	34.295	0.498	432883.811	4947195.949	122.188
548	1.700	229	00	39	089	18	44	80.981	80.943	0.852	432847.091	4947166.978	122.542
549	1.700	296	38	36	073	41	37	16.976	16.286	4.646	432893.633	4947227.373	126.336
550	1.600	351	18	06	074	40	36	17.365	16.741	4.569	432905.658	4947236.619	126.259
551	2.950	261	22	55	072	12	02	24.351	23.176	6.074	432885.276	4947216.597	127.764
552	1.610	040	52	30	087	02	02	26.370	26.324	1.335	432925.417	4947239.975	123.025
553	1.610	038	21	51	085	48	27	22.589	22.519	1.621	432922.167	4947237.727	123.311
554	1.610	037	24	07	084	49	18	22.735	22.633	2.022	432921.937	4947238.049	123.712
555	0.000	038	20	13	083	46	38	22.616	22.474	4.031	432922.130	4947237.698	125.721
556	1.610	056	44	26	089	48	56	175.508	175.437	0.536	433054.890	4947316.284	122.226

SP6 1.700 057 18 02

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
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Faktor razmere: 0.9996

Datum: 21.05.2019

Vreme: 10:33:44

SP8	1.550									432851.200	4947174.210	122.780		
SP7	1.700	051	10	34						432908.190	4947220.070	121.690		
	SP7	1.700	231	10	34					432908.185	4947220.066	121.676		
	601	1.700	225	09	33	091	05	30	23.055	23.042	-0.589	432834.862	4947157.962	122.191
	602	1.610	225	33	31	091	54	43	29.266	29.238	-1.037	432830.325	4947153.738	121.743
	603	2.200	196	02	56	092	27	31	19.684	19.658	-1.494	432845.765	4947155.318	121.286
	604	4.200	172	55	47	091	00	53	24.999	24.985	-3.093	432854.275	4947149.415	119.687
SP7		1.700	051	10	33									

SP7 1.700 051 10 33

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
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Faktor razmere: 0.9996

Datum: 21.05.2019

Vreme: 10:43:01

SP9	1.560									432829.178	4947135.297	120.019	
SP8	1.700	029	30	23						432851.200	4947174.210	122.780	
SP8	1.700	209	30	23						432851.198	4947174.207	122.788	
605	1.700	302	03	19	086	41	37	7.005	6.990	0.264	432823.253	4947139.007	120.283
606	1.700	308	27	07	081	19	19	9.890	9.773	1.352	432821.525	4947141.374	121.373
607	1.700	305	33	19	083	37	28	15.743	15.640	1.608	432816.454	4947144.391	121.627
608	1.700	274	20	33	088	13	46	8.229	8.222	0.114	432820.980	4947135.919	120.133
609	1.700	262	59	17	088	56	57	9.741	9.735	0.039	432819.516	4947134.108	120.058
610	1.700	078	16	41	083	17	37	3.151	3.129	0.228	432832.241	4947135.932	120.247
611	1.700	072	07	45	088	58	04	14.342	14.334	0.118	432842.821	4947139.695	120.137
612	1.700	092	40	32	089	49	32	14.871	14.865	-0.095	432844.027	4947134.603	119.924
613	1.700	188	14	17	090	09	44	12.326	12.321	-0.175	432827.413	4947123.103	119.844
614	1.700	207	20	54	090	36	55	19.178	19.169	-0.346	432820.372	4947118.270	119.673
615	1.700	208	20	49	090	40	06	24.216	24.205	-0.422	432817.685	4947113.994	119.596
616	1.700	206	59	40	091	15	12	26.575	26.558	-0.721	432817.123	4947111.632	119.298
617	1.700	202	54	46	092	23	49	26.490	26.456	-1.248	432818.878	4947110.928	118.771
618	1.700	211	38	36	091	19	05	27.445	27.427	-0.771	432814.789	4947111.948	119.248
619	1.700	219	03	57	091	09	33	28.264	28.247	-0.712	432811.376	4947113.365	119.307
620	1.700	214	25	01	091	24	05	22.995	22.979	-0.702	432816.190	4947116.340	119.317
621	1.700	221	54	50	091	21	27	23.194	23.178	-0.689	432813.695	4947118.049	119.329
622	1.700	215	43	31	091	29	31	18.232	18.218	-0.615	432818.540	4947120.507	119.404
623	1.700	225	07	38	091	32	58	18.165	18.151	-0.631	432816.315	4947122.490	119.388
624	1.700	213	18	33	091	33	05	6.869	6.864	-0.326	432825.409	4947129.560	119.693
625	1.700	237	53	20	090	39	04	7.282	7.279	-0.223	432823.013	4947131.428	119.796
626	1.700	034	11	52	085	50	22	6.046	6.027	0.299	432832.566	4947140.282	120.318
627	1.700	008	41	55	085	52	55	7.051	7.030	0.366	432830.241	4947142.245	120.385
628	1.700	029	48	47	084	51	40	17.341	17.264	1.413	432837.761	4947150.276	121.432
629	1.700	019	37	26	084	49	14	17.470	17.392	1.437	432835.019	4947151.678	121.456
630	1.700	142	17	57	090	57	55	6.617	6.613	-0.251	432833.222	4947130.064	119.767

SP8 1.700 029 30 25

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h
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Faktor razmere: 0.9996

Datum: 21.05.2019

Vreme: 10:59:04

SP10	1.510						432811.162	4947107.972	119.244
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SP9	1.700	033	23	54							432829.178	4947135.297	120.019
SP9	1.700	213	23	54							432829.173	4947135.289	120.015
631	1.700	003	25	18	088	45	29	8.880	8.875	0.002	432811.691	4947116.830	119.247
632	1.700	310	51	56	089	49	42	6.328	6.325	-0.171	432806.378	4947112.110	119.073
633	1.700	261	18	29	091	08	59	12.996	12.989	-0.451	432798.322	4947106.009	118.793
634	1.700	249	44	50	090	50	12	22.495	22.484	-0.518	432790.068	4947100.189	118.726
635	1.700	241	49	28	091	00	16	21.103	21.092	-0.560	432792.569	4947098.013	118.684
636	1.700	244	53	53	091	05	10	14.245	14.237	-0.460	432798.269	4947101.932	118.784
637	1.700	243	04	44	090	58	15	8.873	8.868	-0.340	432803.255	4947103.956	118.904
638	1.700	220	29	17	091	36	52	5.047	5.043	-0.332	432807.887	4947104.136	118.912
639	1.700	180	59	18	089	41	28	6.057	6.055	-0.157	432811.057	4947101.917	119.087
640	1.700	164	00	11	088	48	00	9.298	9.292	0.005	432813.722	4947099.039	119.249
641	1.700	139	51	33	088	36	45	9.388	9.381	0.037	432817.209	4947100.800	119.282
642	1.700	120	04	36	087	44	30	4.974	4.968	0.006	432815.461	4947105.482	119.250
643	1.700	067	08	23	087	39	13	4.023	4.019	-0.025	432814.864	4947109.533	119.219
644	1.700	342	58	16	085	09	09	2.069	2.061	-0.015	432810.558	4947109.942	119.229
645	1.700	168	18	25	088	12	34	3.579	3.576	-0.078	432811.886	4947104.470	119.166
646	1.700	331	21	21	088	27	18	12.529	12.520	0.148	432805.160	4947118.959	119.392
647	1.200	347	30	47	088	32	00	19.655	19.642	0.813	432806.915	4947127.149	120.057
648	2.700	303	21	53	086	39	05	17.454	17.417	-0.171	432796.615	4947117.550	119.074
649	1.700	232	29	53	090	52	51	12.764	12.757	-0.386	432801.041	4947100.205	118.858
650	1.700	226	57	27	090	49	08	10.996	10.991	-0.347	432803.129	4947100.470	118.897
651	1.700	221	54	59	091	05	51	10.149	10.143	-0.384	432804.385	4947100.424	118.860
652	1.700	078	03	55	088	00	15	5.278	5.272	-0.006	432816.320	4947109.062	119.238
653	1.700	123	19	45	088	50	55	7.452	7.448	-0.040	432817.384	4947103.879	119.204
654	1.700	135	07	52	089	10	15	12.228	12.222	-0.013	432819.784	4947099.309	119.231
655	1.700	145	51	14	089	06	03	15.841	15.833	0.059	432820.049	4947094.868	119.303
656	1.700	160	01	14	089	01	57	15.969	15.960	0.080	432816.615	4947092.972	119.324
657	1.700	170	58	02	090	27	32	13.067	13.062	-0.295	432813.212	4947095.072	118.950
658	1.900	187	32	41	096	25	01	15.580	15.476	-2.131	432809.130	4947092.629	117.113
659	1.700	158	15	53	089	30	09	23.943	23.933	0.018	432820.024	4947085.740	119.262
660	0.200	162	03	03	092	36	57	26.908	26.869	0.082	432819.442	4947082.410	119.326
661	1.700	160	01	56	089	32	17	35.227	35.211	0.094	432823.186	4947074.877	119.338
662	1.700	156	44	49	089	34	21	36.127	36.112	0.080	432825.418	4947074.793	119.324
663	1.700	155	41	33	089	27	59	47.318	47.297	0.251	432830.631	4947064.867	119.495
664	1.700	156	23	35	089	37	28	50.084	50.063	0.138	432831.210	4947062.098	119.383
665	1.700	157	35	27	089	49	45	57.728	57.705	-0.018	432833.160	4947054.624	119.226
666	1.700	154	59	08	089	50	03	57.215	57.192	-0.024	432835.345	4947056.144	119.220
667	1.700	153	52	27	090	10	01	67.540	67.512	-0.387	432840.890	4947047.357	118.858
668	1.700	156	56	35	089	59	41	67.485	67.458	-0.184	432837.581	4947045.902	119.061
669	1.700	155	44	03	090	03	19	67.585	67.558	-0.255	432838.926	4947046.382	118.989
670	3.500	150	27	46	088	37	25	66.354	66.308	-0.396	432843.851	4947050.281	118.848
671	3.500	150	48	50	088	01	45	57.169	57.113	-0.024	432839.012	4947058.110	119.220
672	3.500	150	58	09	087	29	27	48.637	48.571	0.139	432834.732	4947065.503	119.384
673	3.500	150	39	05	087	13	15	43.752	43.683	0.131	432832.572	4947069.895	119.376
674	3.500	149	05	08	087	13	42	43.758	43.690	0.126	432833.607	4947070.488	119.370
675	1.700	148	16	30	089	35	58	42.277	42.259	0.106	432833.383	4947072.027	119.350
676	1.700	147	31	03	089	30	47	38.077	38.060	0.134	432831.601	4947075.866	119.378
677	1.700	139	51	34	089	42	58	39.077	39.060	0.004	432836.342	4947078.111	119.248
678	1.700	137	57	23	089	41	53	35.634	35.620	-0.002	432835.016	4947081.519	119.242
679	1.700	140	53	02	089	32	50	35.167	35.152	0.088	432833.339	4947080.698	119.332
680	1.700	145	59	47	089	30	53	33.196	33.182	0.091	432829.718	4947080.464	119.335
681	1.700	149	46	40	089	28	54	30.939	30.925	0.090	432826.728	4947081.249	119.334
682	1.700	138	26	56	089	34	35	30.127	30.115	0.033	432831.136	4947085.435	119.277
683	1.700	137	25	39	089	47	12	25.314	25.304	-0.096	432828.280	4947089.337	119.148
684	1.700	136	44	03	089	41	27	22.405	22.396	-0.069	432826.511	4947091.663	119.175
685	1.700	130	19	13	088	17	32	20.315	20.298	0.415	432826.638	4947094.837	119.660
686	1.700	130	15	36	089	51	29	30.596	30.583	-0.114	432834.500	4947088.207	119.130
687	1.700	109	16	27	088	41	28	26.095	26.077	0.406	432835.777	4947099.364	119.650
688	1.700	142	21	00	089	36	45	32.133	32.120	0.027	432830.781	4947082.540	119.271
SP9	1.700	033	23	51									

SP9 1.700 033 23 51

Tacka	i/l	Hz	V	Sd	Hd	dH	E	N	h				
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Faktor	razmere: 0.9996												
Datum:	21.05.2019												
Vreme:	11:46:49												
SP11	1.550						432808.470	4947039.960	119.200				
SP12	1.700	238	48	41			432699.970	4946974.280	118.810				
SP12	1.700	058	48	41			432699.997	4946974.296	118.811				
689	1.700	041	45	07	089	36	24	44.040	44.022	0.152	432837.784	4947072.802	119.352
690	1.700	042	39	27	089	41	16	42.274	42.256	0.080	432837.103	4947071.036	119.280
691	1.700	046	23	48	089	38	02	41.688	41.671	0.116	432838.645	4947068.699	119.316
692	1.700	048	11	05	089	45	42	41.604	41.587	0.023	432839.465	4947067.687	119.223
693	1.700	050	09	55	089	40	23	41.396	41.379	0.086	432840.245	4947066.466	119.286



694	1.700	050	05	35	089	50	22	38.537	38.521	-0.042	432838.019	4947064.673	119.158
695	1.700	067	37	16	090	23	58	39.440	39.423	-0.425	432844.924	4947054.969	118.775
696	1.700	018	05	45	089	42	42	34.865	34.851	0.025	432819.295	4947073.087	119.225
697	1.700	016	22	12	089	42	42	31.558	31.545	0.009	432817.361	4947070.226	119.209
698	1.700	015	55	24	089	41	14	25.592	25.581	-0.010	432815.488	4947064.560	119.190
699	1.700	016	21	40	089	31	12	18.476	18.468	0.005	432813.672	4947057.680	119.205
700	1.700	014	34	05	089	05	23	11.724	11.718	0.036	432811.417	4947051.301	119.236
701	1.700	341	41	39	087	35	47	4.005	4.000	0.018	432807.214	4947043.757	119.218
702	1.700	251	53	34	089	18	35	6.790	6.786	-0.068	432802.020	4947037.851	119.132
703	1.700	239	26	53	089	55	35	17.290	17.283	-0.128	432793.586	4947031.175	119.072
704	1.700	253	38	22	090	01	35	18.483	18.475	-0.159	432790.743	4947034.756	119.041
705	1.700	281	38	05	089	30	29	9.322	9.318	-0.070	432799.344	4947041.839	119.130
706	1.700	328	28	54	088	42	42	8.249	8.244	0.035	432804.160	4947046.988	119.235
707	1.700	357	28	48	089	35	11	13.453	13.448	-0.053	432807.879	4947053.395	119.147
708	1.700	005	22	08	089	44	14	20.024	20.015	-0.058	432810.343	4947059.888	119.142
709	1.700	006	13	28	089	48	14	25.589	25.579	-0.062	432811.243	4947065.388	119.138
710	1.700	005	19	07	089	48	11	30.729	30.717	-0.044	432811.317	4947070.544	119.156
711	1.700	006	11	43	089	51	38	34.475	34.461	-0.066	432812.189	4947074.220	119.134
712	1.700	008	29	05	089	54	57	38.195	38.180	-0.094	432814.103	4947077.722	119.106
713	1.700	011	15	49	089	51	52	40.963	40.946	-0.053	432816.468	4947080.118	119.147
714	1.700	042	01	22	089	10	54	21.883	21.872	0.162	432823.112	4947056.208	119.362
715	3.400	351	45	35	086	54	31	33.834	33.771	-0.025	432803.630	4947073.383	119.175
716	2.800	359	19	43	087	39	04	30.700	30.662	0.008	432808.111	4947070.620	119.208
717	2.800	002	01	57	087	24	04	28.666	28.626	0.050	432809.485	4947068.568	119.250
718	2.800	358	13	30	087	33	44	26.875	26.840	-0.107	432807.639	4947066.787	119.093
719	2.800	341	23	49	087	22	08	27.681	27.640	0.021	432799.653	4947066.156	119.221
720	2.800	333	03	26	086	15	57	18.512	18.465	-0.044	432800.104	4947056.421	119.156
721	2.800	301	01	36	085	05	32	13.390	13.335	-0.105	432797.043	4947046.833	119.095
722	2.800	293	17	49	086	37	41	20.096	20.053	-0.068	432790.052	4947047.891	119.132
723	1.800	220	59	35	087	39	55	4.747	4.741	-0.057	432805.360	4947036.382	119.143
724	2.800	253	46	09	087	51	23	24.062	24.035	-0.350	432785.393	4947033.242	118.850
725	2.800	268	53	51	088	10	44	27.278	27.254	-0.383	432781.221	4947039.436	118.817
726	2.800	233	47	11	088	04	34	28.494	28.466	-0.293	432785.503	4947023.142	118.907
727	2.800	238	14	40	087	54	04	28.284	28.254	-0.214	432784.446	4947025.090	118.986
728	2.800	246	36	47	087	55	49	28.321	28.291	-0.227	432782.503	4947028.730	118.973
729	2.800	249	21	32	088	04	41	28.738	28.711	-0.286	432781.602	4947029.839	118.914
730	2.800	247	59	36	088	11	14	31.191	31.163	-0.263	432779.578	4947028.283	118.937
731	2.800	246	45	41	088	22	39	33.850	33.823	-0.292	432777.391	4947026.615	118.908
732	2.800	235	11	13	089	24	27	58.597	58.570	-0.644	432760.382	4947006.522	118.556
733	2.800	237	41	02	089	21	34	57.871	57.844	-0.603	432759.585	4947009.037	118.597
734	2.800	241	23	28	089	18	41	57.038	57.012	-0.564	432758.419	4947012.661	118.636
735	2.800	244	10	55	089	33	04	56.019	55.995	-0.811	432758.065	4947015.574	118.389
736	2.600	250	50	08	089	34	22	54.412	54.389	-0.644	432757.095	4947022.105	118.556
737	2.900	235	33	40	089	37	40	82.626	82.591	-0.813	432740.354	4946993.253	118.387
738	2.800	237	05	41	089	43	52	82.712	82.678	-0.862	432739.056	4946995.045	118.338
739	2.800	239	51	48	089	44	50	83.052	83.018	-0.883	432736.673	4946998.279	118.317
740	2.800	242	38	28	089	46	38	83.174	83.140	-0.926	432734.630	4947001.752	118.274
741	2.900	245	47	58	089	42	04	76.394	76.362	-0.951	432738.819	4947008.657	118.249
742	2.800	241	02	01	089	50	24	93.011	92.973	-0.990	432727.127	4946994.934	118.210
743	2.800	240	50	33	089	56	56	95.279	95.241	-1.165	432725.297	4946993.557	118.035
744	2.700	240	29	46	090	06	41	110.190	110.146	-1.364	432712.607	4946985.715	117.836
745	2.800	235	47	16	089	56	38	119.062	119.014	-1.133	432710.050	4946973.043	118.067
746	2.800	236	43	44	089	52	05	118.727	118.679	-0.976	432709.244	4946974.853	118.224
747	2.800	238	48	00	089	54	17	119.171	119.123	-1.051	432706.576	4946978.251	118.149
748	2.600	243	00	14	090	06	40	120.777	120.729	-1.283	432700.896	4946985.158	117.917
749	4.000	244	24	47	089	23	27	111.131	111.080	-1.268	432708.284	4946991.987	117.932
750	1.900	239	38	13	090	29	23	103.379	103.334	-1.233	432719.309	4946987.727	117.967
751	2.000	236	02	40	090	19	56	117.905	117.856	-1.133	432710.712	4946974.132	118.067
752	2.000	236	29	38	090	10	35	121.241	121.192	-0.823	432707.417	4946973.060	118.377
753	2.000	235	51	05	089	59	50	124.681	124.631	-0.443	432705.327	4946970.000	118.757
754	2.000	235	04	27	089	56	37	126.295	126.245	-0.325	432704.962	4946967.683	118.875
755	2.000	235	01	59	089	57	28	127.268	127.218	-0.355	432704.217	4946967.051	118.845
756	2.000	230	16	17	089	58	09	127.974	127.922	-0.380	432710.087	4946958.198	118.820
757	2.000	230	12	26	089	59	22	126.863	126.812	-0.426	432711.032	4946958.799	118.774
758	2.000	231	13	17	089	55	36	127.208	127.157	-0.286	432709.342	4946960.320	118.914
759	2.000	229	28	47	090	16	03	119.642	119.593	-1.008	432717.558	4946962.259	118.192
760	2.000	230	22	52	089	56	53	128.839	128.787	-0.332	432709.264	4946957.836	118.868
761	2.000	230	17	50	090	00	10	135.151	135.097	-0.456	432704.530	4946953.660	118.744
762	2.000	237	06	48	090	01	42	134.397	134.343	-0.516	432695.656	4946967.015	118.684
763	2.000	237	18	06	089	58	21	128.440	128.389	-0.388	432700.427	4946970.603	118.812
764	2.000	239	15	24	089	58	41	127.515	127.464	-0.401	432698.919	4946974.801	118.799
765	2.000	239	17	06	089	59	11	126.363	126.312	-0.419	432699.877	4946975.444	118.781
766	2.000	238	54	52	090	06	05	123.709	123.660	-0.668	432702.568	4946976.112	118.532
767	2.000	238	43	30	090	11	20	121.399	121.350	-0.850	432704.754	4946976.962	118.350
768	2.000	245	10	18	089	59	26	127.930	127.879	-0.428	432692.411	4946986.264	118.772



769 2.800 244 57 09 089 38 14 128.987 128.932 -0.433 432691.663 4946985.374 118.767  
770 2.800 244 54 09 089 38 41 130.003 129.948 -0.443 432690.790 4946984.842 118.757  
771 2.800 244 54 37 089 42 51 136.190 136.134 -0.569 432685.181 4946982.234 118.631  
SP12 1.700 238 48 44

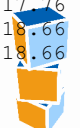
Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
Datum: 17/07/2019									
Vreme: 11:31:45									
st: SP23	1.575						433191.91	4947403.57	117.93
or: SP21	1.800	237.2501					433177.33	4947394.25	121.91
det: SP5	1.800	154.1606					433198.19	4947390.54	117.46
det: 1029	1.800	129.5421	90.5248	15.188	15.186	-0.458	433203.56	4947393.83	117.47
det: 1030	1.500	127.4311	90.3013	9.381	9.381	-0.007	433199.33	4947397.83	117.92
det: 1031	1.800	15.5447	89.5035	5.944	5.944	-0.209	433193.54	4947409.29	117.72
or: SP21	1.800	237.2501							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
Datum: 17/07/2019									
Vreme: 11:44:10									
st: SP26	1.575						433212.31	4947425.84	118.04
or: SP23	1.550	222.2847					433191.91	4947403.57	117.93
or: SP23	1.550	42.2847					433191.91	4947403.57	117.93
det: 1032	1.550	249.2925					433199.69	4947421.12	117.30
det: 1033	1.550	219.3344	92.5833	12.070	12.053	-0.602	433204.63	4947416.55	117.44
det: 1034	1.550	173.2317	89.1957	13.466	13.465	0.182	433213.86	4947412.47	118.22
det: 1035	1.550	171.1409	90.3341	23.751	23.750	-0.208	433215.93	4947402.37	117.83
det: 1036	1.550	26.1840	90.3212	9.273	9.273	-0.062	433216.42	4947434.15	117.98
det: 1037	1.550	84.3147	91.1718	12.592	12.589	-0.258	433224.84	4947427.04	117.78
det: 1038	1.550	123.1340	90.3537	22.345	22.344	-0.206	433231.00	4947413.60	117.83
or: SP23	1.550	222.2846							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
Datum: 17/07/2019									
Vreme: 12:01:23									
st: SP27	1.455						433238.24	4947430.81	116.57
or: SP26	1.550	259.0921					433212.31	4947425.84	118.04
or: SP26	1.550	79.0921					433212.31	4947425.84	118.04
det: 1039	1.550	337.4610	89.5207	6.444	6.444	-0.080	433235.80	4947436.77	116.49
det: 1040	0.000	23.4956	116.0841	8.724	7.832	-2.389	433241.40	4947437.97	114.18
det: 1041	0.000	107.4547	113.1705	9.741	8.948	-2.396	433246.76	4947428.08	114.18
det: 1042	1.550	142.2115	89.3323	3.990	3.990	-0.064	433240.67	4947427.65	116.51
det: 1043	1.550	150.1851	90.3624	9.013	9.013	-0.190	433242.70	4947422.98	116.38
det: 1044	2.550	171.3552	85.5620	11.660	11.631	-0.269	433239.94	4947419.30	116.30
det: 1045	2.630	123.3651	95.2427	12.961	12.904	-2.396	433248.98	4947423.67	114.18
det: 1046	2.560	134.0928	95.2729	14.192	14.127	-2.455	433248.37	4947420.97	114.12
det: 1047	2.560	200.3631	72.4856	4.931	4.710	0.352	433236.58	4947426.40	116.93
or: SP26	1.550	259.0922							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
Datum: 17/07/2019									
Vreme: 12:20:25									
st: SP24	1.580						433193.87	4947379.92	118.66
or: SP21	1.550	310.5358					433177.33	4947394.25	121.91
or: SP21	1.550	130.5358					433177.33	4947394.25	121.91
det: 1048	3.650	50.2219	104.5819	4.492	4.340	-3.231	433197.21	4947382.69	115.43
det: 1049	0.000	48.3113	109.5339	16.971	15.958	-4.195	433205.83	4947390.49	114.47
det: 1050	0.000	55.0346	109.5906	16.900	15.882	-4.196	433206.89	4947389.02	114.47
det: 1051	0.000	53.5210	103.0137	25.663	25.003	-4.205	433214.07	4947394.66	114.46
det: 1052	0.000	56.1424	103.1559	25.211	24.538	-4.205	433214.27	4947393.56	114.46
det: 1053	0.000	54.3647	100.1014	32.825	32.309	-4.216	433220.21	4947398.63	114.45
det: 1054	0.000	55.4203	100.1913	32.367	31.843	-4.218	433220.18	4947397.86	114.44
or: SP21	1.550	310.5357							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
Datum: 17/07/2019									
Vreme: 12:37:37									
st: SP28	1.565						433222.11	4947365.99	117.76
or: SP24	2.000	296.1524					433193.87	4947379.92	118.66
or: SP24	2.000	116.1524					433193.87	4947379.92	118.66





det: 1055	2.000	66.5500	87.3054	12.467	12.456	0.106	433233.56	4947370.88	117.87
det: 1056	2.000	46.2621	88.4704	8.009	8.007	-0.265	433227.91	4947371.51	117.50
det: 1057	2.000	10.5456	89.3847	10.133	10.133	-0.372	433224.02	4947375.94	117.39
det: 1058	2.000	13.5004	95.2155	13.286	13.228	-1.677	433225.27	4947378.84	116.09
det: 1059	2.000	33.1038	96.2902	10.692	10.624	-1.642	433227.92	4947374.89	116.12
det: 1060	3.600	20.2314	97.0417	12.617	12.521	-3.588	433226.47	4947377.73	114.18
det: 1061	3.600	28.3211	97.5357	11.418	11.310	-3.604	433227.51	4947375.93	114.16
det: 1062	2.000	294.1901	85.0457	11.846	11.802	0.580	433211.35	4947370.85	118.35
det: 1063	2.000	308.0033	85.3706	12.340	12.304	0.508	433212.41	4947373.57	118.27
det: 1064	2.000	323.5852	85.2421	6.416	6.395	0.079	433218.34	4947371.17	117.84
det: 1065	2.000	296.0431	85.1326	5.667	5.647	0.037	433217.03	4947368.48	117.80
det: 1066	2.000	146.3355	84.1814	3.679	3.661	-0.070	433224.12	4947362.94	117.70
det: 1067	2.500	157.4233	89.0457	14.614	14.612	-0.701	433227.65	4947352.47	117.06
det: 1068	2.000	123.4344	89.1431	22.600	22.598	-0.136	433240.90	4947353.45	117.63
det: 1069	1.500	108.5842	89.1501	27.282	27.279	0.422	433247.90	4947357.12	118.19
det: 1070	1.500	148.0832	89.2844	27.836	27.835	0.318	433236.80	4947342.35	118.08
det: 1071	2.000	125.2920	90.0824	39.107	39.107	-0.530	433253.95	4947343.29	117.23
det: 1072	1.780	315.4458	87.1543	19.995	19.972	0.740	433208.17	4947380.30	118.51
or: SP24	2.000	296.1523							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
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Datum: 17/07/2019

Vreme: 12:58:57

st: SP30	1.500						433223.64	4947374.29	117.71
or: SP28	1.700	190.2828					433222.11	4947365.99	117.76
or: SP28	1.700	10.2828					433222.11	4947365.99	117.76
det: 1073	0.000	74.5206	98.5524	32.287	31.896	-3.508	433254.43	4947382.62	114.20
det: 1074	0.000	73.5828	99.4857	29.417	28.986	-3.515	433251.50	4947382.30	114.19
det: 1075	0.000	72.5727	104.4638	19.653	19.003	-3.513	433241.81	4947379.86	114.19
det: 1076	0.000	75.0401	111.5557	13.384	12.415	-3.499	433235.64	4947377.49	114.21
det: 1077	0.000	68.0305	118.5618	10.323	9.034	-3.495	433232.02	4947377.67	114.21
det: 1078	0.000	37.4133	116.0759	11.360	10.199	-3.504	433229.88	4947382.37	114.20
det: 1079	0.000	37.4614	112.2738	13.098	12.104	-3.504	433231.05	4947383.86	114.20
det: 1080	0.000	44.4038	107.0118	17.122	16.372	-3.512	433235.15	4947385.94	114.19
det: 1081	0.000	54.0059	101.4943	24.482	23.963	-3.518	433243.03	4947388.37	114.19
det: 1082	0.000	59.1218	99.0340	31.897	31.499	-3.523	433250.70	4947390.42	114.18
det: 1083	0.000	61.2719	98.0530	35.645	35.291	-3.517	433254.64	4947391.16	114.19
det: 1084	0.000	62.5737	97.4412	37.270	36.931	-3.517	433256.53	4947391.08	114.19
or: SP28	1.700	190.2826							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
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Datum: 17/07/2019

Vreme: 13:12:57

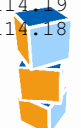
st: SP29	1.590						433220.98	4947386.88	117.92
or: SP30	1.700	168.0513					433223.64	4947374.29	117.71
or: SP30	1.700	348.0513					433223.64	4947374.29	117.71
det: 1085	1.100	182.1727	92.5958	6.501	6.492	0.150	433220.72	4947380.40	118.07
det: 1086	1.700	306.1235	91.5107	5.569	5.566	-0.290	433216.49	4947390.17	117.63
det: 1087	1.700	78.5723	87.5023	6.948	6.943	0.152	433227.80	4947388.21	118.07
det: 1088	1.700	64.5243	89.2907	14.302	14.302	0.018	433233.93	4947392.95	117.94
det: 1089	3.300	36.3608	84.0251	15.657	15.573	-0.086	433230.27	4947399.38	117.84
det: 1090	1.700	64.2752	90.1753	23.293	23.293	-0.231	433242.00	4947396.92	117.69
det: 1091	1.700	60.4914	90.0929	25.876	25.876	-0.181	433243.58	4947399.50	117.74
det: 1092	1.100	54.0438	90.3744	28.887	28.885	0.173	433244.38	4947403.83	118.10
det: 1093	2.560	47.0251	88.0855	25.908	25.894	-0.133	433239.94	4947404.53	117.79
or: SP30	1.700	168.0512							

Tacka	i/l	Hz	V	Skoso	Shor	Dh	Y	X	H
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Datum: 17/07/2019

Vreme: 13:29:03

st: SP31	1.520						433253.86	4947394.61	115.21
or: SP30	1.700	236.0504					433223.64	4947374.29	117.71
or: SP30	1.700	56.0504					433223.64	4947374.29	117.71
det: 1094	1.700	110.1856	96.2224	7.800	7.752	-1.046	433261.13	4947391.92	114.16
det: 1095	1.700	93.2627	95.4511	8.665	8.621	-1.049	433262.46	4947394.09	114.16
det: 1096	1.700	42.1302	95.3630	8.871	8.829	-1.047	433259.79	4947401.15	114.16
det: 1097	1.700	359.3237	92.3412	19.580	19.561	-1.058	433253.70	4947414.17	114.15
det: 1098	1.700	351.4358	92.0716	24.022	24.005	-1.069	433250.41	4947418.37	114.14
det: 1099	3.600	346.3730	87.3223	23.853	23.831	-1.056	433248.34	4947417.80	114.15
det: 1100	3.600	339.1339	87.1557	22.179	22.154	-1.022	433246.00	4947415.33	114.19
det: 1101	3.600	339.1349	87.2626	23.624	23.600	-1.025	433245.49	4947416.68	114.18
or: SP30	1.700	236.0503							







### 3.3. Датумска трансформација из система UTM34 у државни координатни систем





GriderWeb

Korisnik: Geosystem doo

Transformacija 7P (globalna) + Grid reziduala  
Interpolacija visina iz geoidnog modela SQM2011

[ ETRF2000 - GRS80 ]									[ GK - Bessel ]		
Naziv tacke	E [m]	N [m]	h [m]	yp [m]	xp [m]	kx [m]	ky [m]	U [m]	y [m]	x [m]	H [m]
1	34350201.890	5043975.920	131.510	7350586.396	5044978.764	0.727	0.438	43.990	7350587.123	5044979.202	87.520
2	34350202.750	5043975.950	131.460	7350587.257	5044978.794	0.726	0.438	43.990	7350587.983	5044979.232	87.470
3	34350205.380	5043976.070	130.830	7350589.887	5044978.914	0.727	0.438	43.990	7350590.614	5044979.352	86.840
4	34350194.510	5043976.290	131.920	7350579.014	5044979.134	0.727	0.438	43.990	7350579.741	5044979.572	87.930
5	34350185.210	5043977.330	131.690	7350569.711	5044980.174	0.727	0.438	43.990	7350570.438	5044980.612	87.700
6	34350194.600	5043967.030	131.900	7350579.104	5044969.871	0.727	0.438	43.990	7350579.831	5044970.309	87.910
7	34350202.080	5043966.610	131.490	7350586.587	5044969.451	0.726	0.438	43.990	7350587.313	5044969.889	87.500
8	34350202.970	5043966.730	131.430	7350587.477	5044969.571	0.726	0.438	43.990	7350588.203	5044970.009	87.440
9	34350205.350	5043966.810	130.870	7350589.858	5044969.651	0.726	0.438	43.990	7350590.584	5044970.089	86.880
10	34350206.050	5043956.760	130.850	7350590.558	5044959.598	0.726	0.438	43.990	7350591.284	5044960.036	86.860
11	34350203.830	5043956.980	131.400	7350588.337	5044959.818	0.727	0.438	43.990	7350589.064	5044960.256	87.410
12	34350203.010	5043956.480	131.470	7350587.517	5044959.318	0.726	0.438	43.990	7350588.243	5044959.756	87.480
13	34350196.150	5043955.030	131.830	7350580.655	5044957.868	0.727	0.438	43.990	7350581.382	5044958.306	87.840
14	34350197.630	5043944.780	131.860	7350582.136	5044947.615	0.726	0.438	43.990	7350582.862	5044948.053	87.870
15	34350204.800	5043945.660	131.460	7350589.308	5044948.495	0.726	0.438	43.990	7350590.034	5044948.933	87.470
16	34350205.660	5043945.860	131.430	7350590.168	5044948.695	0.726	0.438	43.990	7350590.894	5044949.133	87.440
17	34350207.830	5043946.560	130.810	7350592.339	5044949.395	0.726	0.438	43.990	7350593.065	5044949.833	86.820
18	34350209.370	5043939.310	130.800	7350593.880	5044942.143	0.725	0.438	43.990	7350594.605	5044942.581	86.810
19	34350207.370	5043938.800	131.370	7350591.879	5044941.633	0.726	0.438	43.990	7350592.605	5044942.071	87.380
19	34350207.310	5043938.810	131.370	7350591.819	5044941.643	0.726	0.438	43.990	7350592.545	5044942.081	87.380
20	34350206.530	5043938.510	131.400	7350591.039	5044941.343	0.726	0.438	43.990	7350591.765	5044941.781	87.410
21	34350199.410	5043936.140	131.840	7350583.917	5044938.972	0.726	0.438	43.990	7350584.643	5044939.410	87.850
22	34350187.500	5043932.120	131.530	7350572.003	5044934.951	0.726	0.438	43.990	7350572.729	5044935.389	87.540
23	34350202.740	5043926.830	131.810	7350587.248	5044929.659	0.726	0.438	43.990	7350587.974	5044930.097	87.820
24	34350209.270	5043928.850	131.420	7350593.780	5044931.680	0.725	0.438	43.990	7350594.505	5044932.118	87.430
25	34350210.330	5043929.010	131.380	7350594.840	5044931.840	0.726	0.438	43.990	7350595.566	5044932.278	87.390
26	34350212.530	5043929.530	130.760	7350597.041	5044932.361	0.725	0.437	43.990	7350597.766	5044932.798	86.770
27	34350215.070	5043922.700	130.800	7350599.582	5044925.529	0.725	0.437	43.990	7350600.307	5044925.966	86.810
28	34350213.050	5043922.470	131.230	7350597.561	5044925.298	0.726	0.438	43.990	7350598.287	5044925.736	87.240
29	34350212.040	5043921.870	131.470	7350596.551	5044924.698	0.725	0.438	43.990	7350597.276	5044925.136	87.480
30	34350205.810	5043918.890	131.790	7350590.319	5044921.717	0.726	0.438	43.990	7350591.045	5044922.155	87.800
31	34350209.940	5043910.110	131.760	7350594.451	5044912.935	0.725	0.437	43.990	7350595.176	5044913.372	87.770
32	34350215.760	5043913.620	131.500	7350600.272	5044916.446	0.725	0.437	43.990	7350600.997	5044916.883	87.510
33	34350216.710	5043914.140	131.420	7350601.223	5044916.966	0.725	0.437	43.990	7350601.948	5044917.403	87.430



34	34350218.830	5043915.270	130.930	7350603.343	5044918.096	0.725	0.438	43.990	7350604.068	5044918.534	86.940
35	34350222.140	5043908.590	130.920	7350606.654	5044911.415	0.725	0.437	43.990	7350607.379	5044911.852	86.930
36	34350220.020	5043907.510	131.490	7350604.534	5044910.334	0.725	0.437	43.990	7350605.259	5044910.771	87.500
37	34350219.370	5043906.860	131.500	7350603.884	5044909.684	0.724	0.437	43.990	7350604.608	5044910.121	87.510
38	34350213.850	5043902.860	131.780	7350598.362	5044905.683	0.725	0.437	43.990	7350599.087	5044906.120	87.790
39	34350217.940	5043896.520	131.800	7350602.453	5044899.341	0.725	0.437	43.990	7350603.178	5044899.778	87.810
40	34350223.500	5043899.840	131.540	7350608.015	5044902.662	0.725	0.437	43.990	7350608.740	5044903.099	87.550
41	34350224.540	5043900.020	131.520	7350609.055	5044902.842	0.725	0.437	43.990	7350609.780	5044903.279	87.530
42	34350226.050	5043900.640	130.970	7350610.566	5044903.462	0.724	0.437	43.990	7350611.290	5044903.899	86.980
43	34350230.010	5043894.790	130.950	7350614.527	5044897.611	0.724	0.437	43.990	7350615.251	5044898.048	86.960
44	34350229.070	5043893.790	131.460	7350613.587	5044896.610	0.724	0.437	43.990	7350614.311	5044897.047	87.470
45	34350228.430	5043893.040	131.560	7350612.947	5044895.860	0.724	0.437	43.990	7350613.671	5044896.297	87.570
46	34350223.810	5043888.950	131.780	7350608.325	5044891.769	0.725	0.437	43.990	7350609.050	5044892.206	87.790
47	34350228.640	5043883.250	131.800	7350613.157	5044886.067	0.724	0.437	43.990	7350613.881	5044886.504	87.810
48	34350233.100	5043887.350	131.540	7350617.618	5044890.169	0.724	0.436	43.990	7350618.342	5044890.605	87.550
49	34350234.130	5043887.700	131.500	7350618.649	5044890.519	0.724	0.437	43.990	7350619.373	5044890.956	87.510
50	34350235.700	5043888.410	130.970	7350620.219	5044891.229	0.724	0.437	43.990	7350620.943	5044891.666	86.980
51	34350242.400	5043881.360	131.120	7350626.921	5044884.177	0.724	0.437	43.990	7350627.645	5044884.614	87.130
52	34350241.200	5043879.970	131.530	7350625.721	5044882.787	0.724	0.436	43.990	7350626.445	5044883.223	87.540
52	34350241.230	5043880.000	131.530	7350625.751	5044882.817	0.724	0.436	43.990	7350626.475	5044883.253	87.540
53	34350240.580	5043879.470	131.480	7350625.101	5044882.286	0.723	0.437	43.990	7350625.824	5044882.723	87.490
54	34350235.970	5043875.890	131.750	7350620.489	5044878.705	0.724	0.437	43.990	7350621.213	5044879.142	87.760
55	34350235.240	5043875.260	131.900	7350619.759	5044878.075	0.724	0.437	43.990	7350620.483	5044878.512	87.910
56	34350233.440	5043873.200	131.470	7350617.959	5044876.014	0.724	0.437	43.990	7350618.683	5044876.451	87.480
57	34350224.980	5043879.870	131.310	7350609.496	5044882.686	0.724	0.437	43.990	7350610.220	5044883.123	87.320
58	34350228.270	5043882.490	131.960	7350612.787	5044885.307	0.724	0.437	43.990	7350613.511	5044885.744	87.970
59	34350224.670	5043886.490	131.990	7350609.186	5044889.308	0.724	0.437	43.990	7350609.910	5044889.745	88.000
60	34350241.060	5043866.550	131.340	7350625.581	5044869.363	0.724	0.436	43.990	7350626.305	5044869.799	87.350
61	34350243.140	5043868.250	131.870	7350627.662	5044871.063	0.723	0.437	43.990	7350628.385	5044871.500	87.880
62	34350243.900	5043868.750	131.740	7350628.422	5044871.563	0.723	0.437	43.990	7350629.145	5044872.000	87.750
63	34350247.750	5043873.000	131.540	7350632.273	5044875.815	0.724	0.436	43.990	7350632.997	5044876.251	87.550
64	34350248.340	5043873.440	131.610	7350632.863	5044876.255	0.724	0.436	43.990	7350633.587	5044876.691	87.620
65	34350250.110	5043875.130	131.240	7350634.634	5044877.945	0.723	0.437	43.990	7350635.357	5044878.382	87.250
66	34350256.640	5043870.190	131.250	7350641.166	5044873.004	0.723	0.436	43.990	7350641.889	5044873.440	87.260
67	34350255.100	5043868.100	131.590	7350639.625	5044870.914	0.724	0.436	43.990	7350640.349	5044871.350	87.600
68	34350254.650	5043867.550	131.590	7350639.175	5044870.363	0.723	0.437	43.990	7350639.898	5044870.800	87.600
69	34350250.760	5043863.270	131.710	7350635.284	5044866.082	0.723	0.436	43.990	7350636.007	5044866.518	87.720
70	34350250.170	5043862.760	131.830	7350634.694	5044865.572	0.723	0.436	43.990	7350635.417	5044866.008	87.840
71	34350248.900	5043860.690	131.340	7350633.424	5044863.501	0.723	0.437	43.990	7350634.147	5044863.938	87.350
72	34350256.750	5043854.890	131.320	7350641.276	5044857.700	0.723	0.436	43.990	7350641.999	5044858.136	87.330
73	34350258.590	5043856.560	131.790	7350643.117	5044859.370	0.723	0.436	43.990	7350643.840	5044859.806	87.800
74	34350258.940	5043857.180	131.710	7350643.467	5044859.990	0.723	0.436	43.990	7350644.190	5044860.426	87.720
75	34350262.640	5043861.600	131.540	7350647.168	5044864.412	0.723	0.436	43.990	7350647.891	5044864.848	87.550
76	34350263.060	5043862.240	131.580	7350647.588	5044865.052	0.723	0.436	43.990	7350648.311	5044865.488	87.590
77	34350264.540	5043864.380	131.330	7350649.068	5044867.193	0.723	0.436	43.990	7350649.791	5044867.629	87.340
78	34350275.460	5043856.310	131.420	7350659.992	5044859.121	0.722	0.435	43.990	7350660.714	5044859.556	87.430
79	34350273.990	5043854.600	131.560	7350658.521	5044857.410	0.723	0.436	43.990	7350659.244	5044857.846	87.570
80	34350273.540	5043853.900	131.550	7350658.071	5044856.710	0.723	0.435	43.990	7350658.794	5044857.145	87.560
81	34350270.200	5043849.040	131.690	7350654.730	5044851.848	0.723	0.436	43.990	7350655.453	5044852.284	87.700



82	34350269.910	5043848.540	131.730	7350654.440	5044851.348	0.723	0.436	43.990	7350655.163	5044851.784	87.740
83	34350268.140	5043846.540	131.370	7350652.670	5044849.348	0.722	0.435	43.990	7350653.392	5044849.783	87.380
84	34350280.280	5043841.020	131.750	7350664.814	5044843.826	0.722	0.436	43.990	7350665.536	5044844.262	87.760
85	34350291.490	5043830.830	131.520	7350676.027	5044833.634	0.722	0.435	43.990	7350676.749	5044834.069	87.530
86	34350293.020	5043832.990	131.700	7350677.558	5044835.794	0.721	0.435	43.990	7350678.279	5044836.229	87.710
87	34350296.670	5043837.470	131.570	7350681.209	5044840.276	0.721	0.435	43.990	7350681.930	5044840.711	87.580
88	34350298.870	5043840.640	131.130	7350683.409	5044843.447	0.722	0.435	43.990	7350684.131	5044843.882	87.140
89	34350308.230	5043831.350	131.540	7350692.772	5044834.154	0.722	0.435	43.989	7350693.494	5044834.589	87.551
90	34350303.380	5043823.960	131.700	7350687.921	5044826.762	0.721	0.435	43.990	7350688.642	5044827.197	87.710
91	34350313.050	5043814.720	131.410	7350697.594	5044817.519	0.721	0.435	43.990	7350698.315	5044817.954	87.420
92	34350315.150	5043817.410	131.740	7350699.695	5044820.210	0.721	0.435	43.989	7350700.416	5044820.645	87.751
93	34350318.200	5043822.310	131.580	7350702.746	5044825.112	0.720	0.434	43.989	7350703.466	5044825.546	87.591
94	34350319.930	5043825.020	131.280	7350704.476	5044827.823	0.721	0.434	43.989	7350705.197	5044828.257	87.291
95	34350338.240	5043811.840	131.350	7350722.792	5044814.639	0.720	0.434	43.989	7350723.512	5044815.073	87.361
96	34350336.330	5043809.630	131.590	7350720.881	5044812.429	0.720	0.433	43.989	7350721.601	5044812.862	87.601
97	34350332.800	5043804.980	131.670	7350717.350	5044807.777	0.721	0.434	43.989	7350718.071	5044808.211	87.681
98	34350330.760	5043802.570	131.270	7350715.310	5044805.366	0.720	0.434	43.989	7350716.030	5044805.800	87.281
99	34350351.090	5043789.000	131.320	7350735.646	5044791.793	0.720	0.433	43.989	7350736.366	5044792.226	87.331
100	34350352.240	5043791.140	131.680	7350736.797	5044793.934	0.719	0.433	43.989	7350737.516	5044794.367	87.691
101	34350355.700	5043795.970	131.560	7350740.258	5044798.765	0.719	0.433	43.989	7350740.977	5044799.198	87.571
102	34350357.470	5043798.660	131.380	7350742.028	5044801.456	0.719	0.433	43.989	7350742.747	5044801.889	87.391
103	34350377.450	5043784.640	131.350	7350762.014	5044787.432	0.719	0.433	43.989	7350762.733	5044787.865	87.361
104	34350375.380	5043781.970	131.560	7350759.944	5044784.762	0.718	0.432	43.989	7350760.662	5044785.194	87.571
105	34350372.100	5043777.310	131.680	7350756.663	5044780.100	0.719	0.433	43.989	7350757.382	5044780.533	87.691
106	34350371.120	5043775.800	131.510	7350755.683	5044778.590	0.718	0.432	43.989	7350756.401	5044779.022	87.521
107	34350390.590	5043762.410	131.530	7350775.159	5044765.196	0.718	0.432	43.989	7350775.877	5044765.628	87.541
108	34350391.570	5043763.660	131.670	7350776.139	5044766.447	0.718	0.432	43.989	7350776.857	5044766.879	87.681
109	34350394.890	5043768.220	131.570	7350779.460	5044771.008	0.718	0.432	43.989	7350780.178	5044771.440	87.581
110	34350396.320	5043769.840	131.250	7350780.890	5044772.629	0.718	0.432	43.989	7350781.608	5044773.061	87.261
111	34350403.960	5043763.000	131.460	7350788.533	5044765.787	0.718	0.432	43.989	7350789.251	5044766.219	87.471
112	34350406.710	5043759.950	131.540	7350791.284	5044762.736	0.717	0.432	43.989	7350792.001	5044763.168	87.551
113	34350413.210	5043755.630	131.530	7350797.786	5044758.415	0.717	0.431	43.989	7350798.503	5044758.846	87.541
114	34350416.200	5043755.390	131.500	7350800.777	5044758.175	0.717	0.431	43.989	7350801.494	5044758.606	87.511
115	34350408.180	5043762.900	131.300	7350792.754	5044765.687	0.718	0.432	43.989	7350793.472	5044766.119	87.311
116	34350400.830	5043771.380	130.400	7350785.402	5044774.169	0.718	0.432	43.989	7350786.120	5044774.601	86.411
117	34350398.810	5043769.900	130.670	7350783.381	5044772.689	0.718	0.432	43.989	7350784.099	5044773.121	86.681
118	34350393.480	5043776.650	130.020	7350778.049	5044779.441	0.719	0.432	43.989	7350778.768	5044779.873	86.031
119	34350395.850	5043777.780	129.940	7350780.420	5044780.571	0.718	0.432	43.989	7350781.138	5044781.003	85.951
120	34350415.990	5043758.090	131.280	7350800.567	5044760.876	0.717	0.431	43.989	7350801.284	5044761.307	87.291
121	34350391.520	5043785.430	129.250	7350776.089	5044788.223	0.718	0.432	43.989	7350776.807	5044788.655	85.261
122	34350388.630	5043784.210	129.170	7350773.198	5044787.003	0.718	0.432	43.989	7350773.916	5044787.435	85.181
123	34350386.550	5043789.780	128.700	7350771.117	5044792.574	0.718	0.433	43.989	7350771.835	5044793.007	84.711
124	34350389.760	5043790.700	128.740	7350774.328	5044793.495	0.718	0.432	43.989	7350775.046	5044793.927	84.751
125	34350387.470	5043796.540	128.210	7350772.037	5044799.336	0.719	0.432	43.989	7350772.756	5044799.768	84.221
126	34350390.480	5043794.850	128.080	7350775.048	5044797.646	0.718	0.432	43.989	7350775.766	5044798.078	84.091
127	34350396.700	5043800.330	127.120	7350781.270	5044803.128	0.718	0.432	43.989	7350781.988	5044803.560	83.131
128	34350394.960	5043802.700	127.030	7350779.529	5044805.498	0.719	0.432	43.989	7350780.248	5044805.930	83.041
129	34350405.380	5043808.710	125.540	7350789.952	5044811.511	0.718	0.431	43.989	7350790.670	5044811.942	81.551
130	34350407.960	5043806.670	125.590	7350792.533	5044809.470	0.718	0.432	43.988	7350793.251	5044809.902	81.602



131	34350382.290	5043789.790	129.280	7350766.856	5044792.584	0.718	0.432	43.989	7350767.574	5044793.016	85.291
132	34350360.750	5043803.400	129.910	7350745.309	5044806.198	0.719	0.433	43.989	7350746.028	5044806.631	85.921
133	34350370.730	5043816.000	127.480	7350755.291	5044818.802	0.720	0.432	43.989	7350756.011	5044819.234	83.491
134	34350381.470	5043828.730	125.870	7350766.034	5044831.536	0.720	0.432	43.989	7350766.754	5044831.968	81.881
135	34350363.090	5043845.870	125.500	7350747.648	5044848.680	0.720	0.433	43.989	7350748.368	5044849.113	81.511
136	34350352.450	5043831.930	127.060	7350737.006	5044834.736	0.720	0.433	43.989	7350737.726	5044835.169	83.071
137	34350341.420	5043817.470	129.870	7350725.973	5044820.271	0.720	0.434	43.989	7350726.693	5044820.705	85.881
138	34350323.480	5043829.700	129.490	7350708.027	5044832.504	0.721	0.434	43.989	7350708.748	5044832.938	85.501
139	34350333.100	5043841.410	127.450	7350717.649	5044844.218	0.721	0.434	43.989	7350718.370	5044844.652	83.461
140	34350345.530	5043857.320	125.600	7350730.083	5044860.133	0.720	0.433	43.989	7350730.803	5044860.566	81.611
141	34350321.100	5043874.970	125.460	7350705.645	5044877.788	0.722	0.434	43.989	7350706.367	5044878.222	81.471
142	34350311.260	5043859.500	127.060	7350695.802	5044862.313	0.722	0.434	43.989	7350696.524	5044862.747	83.071
143	34350302.860	5043846.060	129.250	7350687.400	5044848.868	0.722	0.435	43.989	7350688.122	5044849.303	85.261
144	34350278.510	5043860.960	129.640	7350663.043	5044863.772	0.722	0.436	43.990	7350663.765	5044864.208	85.650
145	34350287.280	5043874.530	127.320	7350671.815	5044877.346	0.722	0.436	43.990	7350672.537	5044877.782	83.330
146	34350300.570	5043890.650	125.430	7350685.108	5044893.472	0.723	0.434	43.989	7350685.831	5044893.906	81.441
147	34350282.860	5043906.590	125.130	7350667.393	5044909.416	0.723	0.435	43.989	7350668.116	5044909.851	81.141
148	34350270.560	5043891.530	126.580	7350655.089	5044894.351	0.724	0.436	43.990	7350655.813	5044894.787	82.590
149	34350259.610	5043875.530	129.540	7350644.137	5044878.346	0.723	0.436	43.990	7350644.860	5044878.782	85.550
150	34350245.160	5043883.180	129.930	7350629.682	5044885.998	0.724	0.436	43.990	7350630.406	5044886.434	85.940
151	34350236.890	5043890.900	129.660	7350621.409	5044893.720	0.724	0.437	43.990	7350622.133	5044894.157	85.670
152	34350231.680	5043897.230	129.270	7350616.198	5044900.052	0.724	0.436	43.990	7350616.922	5044900.488	85.280
153	34350228.350	5043903.640	128.960	7350612.866	5044906.463	0.725	0.437	43.990	7350613.591	5044906.900	84.970
154	34350224.950	5043911.930	128.770	7350609.465	5044914.756	0.725	0.437	43.990	7350610.190	5044915.193	84.780
155	34350222.890	5043918.650	128.180	7350607.404	5044921.478	0.725	0.437	43.990	7350608.129	5044921.915	84.190
156	34350220.420	5043925.810	127.540	7350604.933	5044928.640	0.726	0.437	43.990	7350605.659	5044929.077	83.550
157	34350218.170	5043933.560	127.360	7350602.682	5044936.392	0.726	0.437	43.990	7350603.408	5044936.829	83.370
158	34350215.390	5043941.880	127.090	7350599.901	5044944.714	0.726	0.438	43.990	7350600.627	5044945.152	83.100
159	34350213.120	5043949.230	127.520	7350597.630	5044952.066	0.726	0.438	43.990	7350598.356	5044952.504	83.530
160	34350211.380	5043957.600	128.160	7350595.890	5044960.439	0.726	0.437	43.990	7350596.616	5044960.876	84.170
161	34350209.470	5043966.730	128.910	7350593.979	5044969.572	0.726	0.437	43.990	7350594.705	5044970.009	84.920
162	34350210.750	5043975.860	128.410	7350595.259	5044978.704	0.726	0.438	43.990	7350595.985	5044979.142	84.420
163	34350222.900	5043976.640	126.680	7350607.413	5044979.485	0.726	0.437	43.990	7350608.139	5044979.922	82.690
164	34350237.320	5043959.610	124.980	7350621.837	5044962.450	0.726	0.437	43.990	7350622.563	5044962.887	80.990
165	34350228.500	5043950.910	125.260	7350613.015	5044953.747	0.725	0.437	43.990	7350613.740	5044954.184	81.270
166	34350240.460	5043926.220	125.570	7350624.979	5044929.050	0.725	0.437	43.990	7350625.704	5044929.487	81.580
167	34350252.440	5043933.270	124.920	7350636.963	5044936.103	0.724	0.436	43.990	7350637.687	5044936.539	80.930
168	34350267.370	5043920.480	125.010	7350651.898	5044923.310	0.723	0.435	43.990	7350652.621	5044923.745	81.020
169	34350255.700	5043903.250	126.440	7350640.225	5044906.074	0.723	0.436	43.990	7350640.948	5044906.510	82.450
514	34350455.950	5043437.870	129.390	7350840.548	5044440.562	0.713	0.433	43.990	7350841.261	5044440.995	85.400
515	34350453.980	5043439.630	129.360	7350838.578	5044442.322	0.713	0.434	43.990	7350839.291	5044442.756	85.370
516	34350459.050	5043443.310	129.400	7350843.649	5044446.003	0.713	0.434	43.990	7350844.362	5044446.437	85.410
517	34350460.350	5043445.210	129.350	7350844.949	5044447.904	0.713	0.434	43.990	7350845.662	5044448.338	85.360
518	34350451.830	5043439.810	129.160	7350836.427	5044442.502	0.713	0.434	43.990	7350837.140	5044442.936	85.170
519	34350457.940	5043435.220	129.310	7350842.539	5044437.911	0.713	0.434	43.990	7350843.252	5044438.345	85.320
520	34350452.780	5043433.500	129.270	7350837.377	5044436.190	0.714	0.434	43.990	7350838.091	5044436.624	85.280
521	34350451.520	5043434.260	129.250	7350836.117	5044436.950	0.713	0.434	43.990	7350836.830	5044437.384	85.260
522	34350450.570	5043435.210	129.210	7350835.167	5044437.901	0.713	0.434	43.990	7350835.880	5044438.335	85.220
523	34350451.330	5043434.910	129.360	7350835.927	5044437.601	0.713	0.434	43.990	7350836.640	5044438.035	85.370



524	34350449.830	5043437.000	129.140	7350834.426	5044439.691	0.714	0.434	43.990	7350835.140	5044440.125	85.150
525	34350448.610	5043439.200	128.630	7350833.206	5044441.892	0.713	0.434	43.990	7350833.919	5044442.326	84.640
526	34350449.380	5043436.810	129.150	7350833.976	5044439.501	0.714	0.434	43.990	7350834.690	5044439.935	85.160
527	34350450.100	5043434.980	129.260	7350834.697	5044437.671	0.713	0.434	43.990	7350835.410	5044438.105	85.270
528	34350450.120	5043434.300	129.260	7350834.717	5044436.990	0.713	0.434	43.990	7350835.430	5044437.424	85.270
529	34350449.530	5043433.080	129.240	7350834.127	5044435.770	0.713	0.434	43.990	7350834.840	5044436.204	85.250
530	34350444.020	5043432.850	129.310	7350828.615	5044435.540	0.713	0.434	43.990	7350829.328	5044435.974	85.320
531	34350439.860	5043433.920	129.330	7350824.454	5044436.610	0.713	0.434	43.990	7350825.167	5044437.044	85.340
532	34350440.050	5043434.530	129.450	7350824.644	5044437.220	0.713	0.434	43.990	7350825.357	5044437.654	85.460
533	34350440.490	5043435.440	129.460	7350825.084	5044438.130	0.713	0.435	43.990	7350825.797	5044438.565	85.470
534	34350439.450	5043437.590	129.400	7350824.043	5044440.281	0.714	0.434	43.990	7350824.757	5044440.715	85.410
535	34350436.280	5043435.300	129.380	7350820.872	5044437.990	0.714	0.435	43.990	7350821.586	5044438.425	85.390
536	34350435.880	5043437.250	129.330	7350820.472	5044439.941	0.714	0.434	43.990	7350821.186	5044440.375	85.340
537	34350436.170	5043440.050	128.740	7350820.762	5044442.742	0.714	0.434	43.990	7350821.476	5044443.176	84.750
538	34350435.520	5043437.300	129.330	7350820.112	5044439.991	0.714	0.434	43.990	7350820.826	5044440.425	85.340
539	34350433.990	5043436.640	129.320	7350818.582	5044439.331	0.713	0.434	43.990	7350819.295	5044439.765	85.330
540	34350428.070	5043442.310	129.360	7350812.660	5044445.002	0.714	0.435	43.990	7350813.374	5044445.437	85.370
541	34350425.990	5043442.390	129.440	7350810.579	5044445.082	0.714	0.435	43.990	7350811.293	5044445.517	85.450
542	34350427.210	5043446.620	129.120	7350811.799	5044449.313	0.714	0.435	43.990	7350812.513	5044449.748	85.130
543	34350414.470	5043451.660	129.500	7350799.056	5044454.354	0.714	0.435	43.990	7350799.770	5044454.789	85.510
544	34350415.720	5043451.890	129.660	7350800.306	5044454.585	0.714	0.434	43.990	7350801.020	5044455.019	85.670
545	34350416.540	5043453.480	129.340	7350801.126	5044456.175	0.714	0.435	43.990	7350801.840	5044456.610	85.350
545	34350416.860	5043453.860	129.340	7350801.446	5044456.555	0.714	0.435	43.990	7350802.160	5044456.990	85.350
546	34350412.960	5043452.730	129.470	7350797.545	5044455.425	0.714	0.434	43.990	7350798.259	5044455.859	85.480
547	34350409.470	5043455.740	129.490	7350794.054	5044458.436	0.714	0.434	43.990	7350794.768	5044458.870	85.500
548	34350411.630	5043458.310	129.390	7350796.214	5044461.006	0.715	0.435	43.990	7350796.929	5044461.441	85.400
549	34350477.590	5043446.730	129.460	7350862.194	5044449.425	0.713	0.433	43.989	7350862.907	5044449.858	85.471
550	34350480.460	5043444.640	129.510	7350865.065	5044447.334	0.713	0.434	43.989	7350865.778	5044447.768	85.521
551	34350485.570	5043451.580	129.490	7350870.177	5044454.277	0.712	0.433	43.989	7350870.889	5044454.710	85.501
552	34350487.690	5043452.930	129.490	7350872.297	5044455.627	0.713	0.433	43.989	7350873.010	5044456.060	85.501
553	34350487.010	5043453.410	129.490	7350871.617	5044456.107	0.713	0.433	43.989	7350872.330	5044456.540	85.501
554	34350486.070	5043452.140	129.470	7350870.677	5044454.837	0.712	0.433	43.989	7350871.389	5044455.270	85.481
555	34350486.720	5043451.640	129.490	7350871.327	5044454.337	0.712	0.433	43.989	7350872.039	5044454.770	85.501
556	34350491.620	5043450.120	129.530	7350876.229	5044452.816	0.712	0.433	43.989	7350876.941	5044453.249	85.541
557	34350490.690	5043448.790	129.530	7350875.298	5044451.486	0.713	0.433	43.989	7350876.011	5044451.919	85.541
558	34350489.980	5043449.300	129.520	7350874.588	5044451.996	0.712	0.433	43.989	7350875.300	5044452.429	85.531
559	34350495.480	5043455.100	129.580	7350880.090	5044457.798	0.712	0.433	43.989	7350880.802	5044458.231	85.591
560	34350496.230	5043455.150	129.580	7350880.840	5044457.848	0.712	0.433	43.989	7350881.552	5044458.281	85.591
561	34350496.470	5043454.310	129.560	7350881.080	5044457.008	0.712	0.432	43.989	7350881.792	5044457.440	85.571
562	34350514.130	5043466.660	129.410	7350898.745	5044469.362	0.712	0.432	43.989	7350899.457	5044469.794	85.421
563	34350509.060	5043459.720	129.420	7350893.673	5044462.420	0.712	0.432	43.989	7350894.385	5044462.852	85.431
564	34350509.810	5043455.880	129.270	7350894.424	5044458.579	0.712	0.432	43.989	7350895.136	5044459.011	85.281
565	34350505.430	5043449.750	129.290	7350890.043	5044452.447	0.712	0.432	43.989	7350890.755	5044452.879	85.301
566	34350501.490	5043449.380	129.400	7350886.101	5044452.076	0.713	0.433	43.989	7350886.814	5044452.509	85.411
567	34350493.390	5043436.810	129.540	7350877.999	5044439.502	0.713	0.433	43.989	7350878.712	5044439.935	85.551
568	34350488.450	5043431.680	129.410	7350873.058	5044434.371	0.713	0.433	43.989	7350873.771	5044434.804	85.421
569	34350487.700	5043430.060	129.400	7350872.308	5044432.750	0.712	0.434	43.989	7350873.020	5044433.184	85.411
570	34350488.060	5043429.240	129.400	7350872.668	5044431.930	0.712	0.433	43.989	7350873.380	5044432.363	85.411
571	34350481.590	5043419.610	129.410	7350866.196	5044422.297	0.713	0.434	43.989	7350866.909	5044422.731	85.421



572	34350480.180	5043420.300	129.410	7350864.786	5044422.987	0.713	0.434	43.989	7350865.499	5044423.421	85.421
573	34350478.410	5043429.690	129.580	7350863.015	5044432.380	0.713	0.433	43.989	7350863.728	5044432.813	85.591
574	34350477.780	5043429.480	129.580	7350862.385	5044432.170	0.713	0.433	43.989	7350863.098	5044432.603	85.591
575	34350477.520	5043430.170	129.580	7350862.125	5044432.860	0.713	0.433	43.989	7350862.838	5044433.293	85.591
576	34350481.340	5043437.180	129.530	7350865.946	5044439.872	0.712	0.434	43.989	7350866.658	5044440.306	85.541
577	34350482.000	5043436.700	129.530	7350866.606	5044439.392	0.713	0.433	43.989	7350867.319	5044439.825	85.541
578	34350481.060	5043435.400	129.530	7350865.666	5044438.092	0.712	0.433	43.989	7350866.378	5044438.525	85.541
579	34350476.470	5043438.670	129.480	7350861.074	5044441.363	0.713	0.433	43.989	7350861.787	5044441.796	85.491
580	34350477.370	5043439.980	129.500	7350861.975	5044442.673	0.712	0.433	43.989	7350862.687	5044443.106	85.511
581	34350478.090	5043439.500	129.500	7350862.695	5044442.193	0.712	0.433	43.989	7350863.407	5044442.626	85.511
582	34350473.530	5043442.710	129.460	7350858.133	5044445.404	0.713	0.433	43.989	7350858.846	5044445.837	85.471
583	34350474.200	5043442.240	129.440	7350858.804	5044444.934	0.712	0.433	43.989	7350859.516	5044445.367	85.451
584	34350473.260	5043440.920	129.440	7350857.863	5044443.613	0.713	0.433	43.989	7350858.576	5044444.046	85.451
585	34350468.640	5043444.240	129.470	7350853.242	5044446.934	0.713	0.433	43.989	7350853.955	5044447.367	85.481
586	34350469.590	5043445.510	129.480	7350854.192	5044448.204	0.713	0.434	43.989	7350854.905	5044448.638	85.491
587	34350470.280	5043445.060	129.480	7350854.882	5044447.754	0.713	0.434	43.989	7350855.595	5044448.188	85.491
588	34350478.950	5043457.170	129.490	7350863.555	5044459.868	0.712	0.433	43.989	7350864.267	5044460.301	85.501
589	34350478.240	5043457.660	129.480	7350862.844	5044460.358	0.713	0.433	43.989	7350863.557	5044460.791	85.491
590	34350479.160	5043458.990	129.480	7350863.765	5044461.689	0.712	0.433	43.989	7350864.477	5044462.122	85.491
591	34350476.510	5043453.790	129.490	7350861.114	5044456.487	0.713	0.433	43.989	7350861.827	5044456.920	85.501
592	34350475.870	5043454.250	129.490	7350860.474	5044456.947	0.712	0.433	43.989	7350861.186	5044457.380	85.501
593	34350475.230	5043453.380	129.490	7350859.834	5044456.077	0.712	0.433	43.989	7350860.546	5044456.510	85.501
594	34350475.880	5043452.890	129.480	7350860.484	5044455.587	0.712	0.433	43.989	7350861.196	5044456.020	85.491
595	34350473.320	5043449.310	129.480	7350857.923	5044452.006	0.713	0.433	43.989	7350858.636	5044452.439	85.491
596	34350472.640	5043449.790	129.490	7350857.243	5044452.486	0.713	0.433	43.989	7350857.956	5044452.919	85.501
597	34350471.990	5043448.910	129.480	7350856.593	5044451.605	0.712	0.434	43.989	7350857.305	5044452.039	85.491
598	34350472.680	5043448.410	129.480	7350857.283	5044451.105	0.713	0.434	43.989	7350857.996	5044451.539	85.491
599	34350483.730	5043440.520	129.530	7350868.336	5044443.213	0.713	0.433	43.989	7350869.049	5044443.646	85.541
600	34350484.380	5043440.100	129.530	7350868.987	5044442.793	0.712	0.433	43.989	7350869.699	5044443.226	85.541
601	34350485.060	5043440.950	129.530	7350869.667	5044443.643	0.712	0.434	43.989	7350870.379	5044444.077	85.541
602	34350484.400	5043441.440	129.530	7350869.007	5044444.134	0.712	0.433	43.989	7350869.719	5044444.567	85.541
603	34350486.940	5043445.010	129.530	7350871.547	5044447.705	0.713	0.433	43.989	7350872.260	5044448.138	85.541
604	34350487.600	5043444.520	129.530	7350872.207	5044447.215	0.713	0.433	43.989	7350872.920	5044447.648	85.541
605	34350488.260	5043445.430	129.530	7350872.868	5044448.125	0.712	0.433	43.989	7350873.580	5044448.558	85.541
606	34350487.590	5043445.900	129.530	7350872.197	5044448.595	0.713	0.433	43.989	7350872.910	5044449.028	85.541
607	34350461.640	5043396.620	129.370	7350846.241	5044399.300	0.713	0.434	43.990	7350846.954	5044399.734	85.380
608	34350452.560	5043384.220	129.320	7350837.159	5044386.896	0.713	0.434	43.990	7350837.872	5044387.330	85.330
609	34350456.330	5043381.580	129.250	7350840.930	5044384.255	0.713	0.435	43.990	7350841.643	5044384.690	85.260
610	34350447.540	5043376.250	129.320	7350832.138	5044378.923	0.713	0.435	43.990	7350832.851	5044379.358	85.330
611	34350448.660	5043375.490	129.430	7350833.258	5044378.163	0.713	0.435	43.990	7350833.971	5044378.598	85.440
612	34350451.830	5043373.010	129.340	7350836.429	5044375.682	0.713	0.435	43.990	7350837.142	5044376.117	85.350
613	34350437.550	5043362.420	129.300	7350822.145	5044365.089	0.713	0.435	43.990	7350822.858	5044365.524	85.310
614	34350438.580	5043361.870	129.330	7350823.175	5044364.539	0.714	0.435	43.990	7350823.889	5044364.974	85.340
615	34350428.860	5043350.570	129.360	7350813.453	5044353.235	0.713	0.436	43.990	7350814.166	5044353.671	85.370
616	34350429.420	5043349.370	129.420	7350814.013	5044352.035	0.713	0.436	43.990	7350814.726	5044352.471	85.430
617	34350427.860	5043349.010	129.380	7350812.453	5044351.674	0.713	0.436	43.990	7350813.166	5044352.110	85.390
618	34350420.770	5043356.830	129.690	7350805.360	5044359.496	0.714	0.437	43.990	7350806.074	5044359.933	85.700
619	34350423.200	5043360.340	129.770	7350807.791	5044363.008	0.713	0.436	43.990	7350808.504	5044363.444	85.780
620	34350424.980	5043357.620	129.370	7350809.571	5044360.287	0.714	0.436	43.990	7350810.285	5044360.723	85.380



621	34350425.250	5043361.310	129.390	7350809.841	5044363.978	0.714	0.436	43.990	7350810.555	5044364.414	85.400
622	34350423.830	5043361.280	129.690	7350808.421	5044363.948	0.713	0.436	43.990	7350809.134	5044364.384	85.700
623	34350433.900	5043372.470	129.610	7350818.494	5044375.142	0.713	0.435	43.990	7350819.207	5044375.577	85.620
624	34350436.650	5043372.880	129.480	7350821.244	5044375.552	0.714	0.435	43.990	7350821.958	5044375.987	85.490
625	34350451.080	5043392.490	129.490	7350835.678	5044395.168	0.713	0.435	43.990	7350836.391	5044395.603	85.500
626	34350449.440	5043393.840	129.660	7350834.038	5044396.518	0.713	0.435	43.990	7350834.751	5044396.953	85.670
627	34350452.530	5043395.260	129.510	7350837.129	5044397.939	0.713	0.434	43.990	7350837.842	5044398.373	85.520
628	34350453.220	5043397.700	129.500	7350837.819	5044400.380	0.713	0.434	43.990	7350838.532	5044400.814	85.510
629	34350453.250	5043399.890	129.490	7350837.849	5044402.570	0.713	0.435	43.990	7350838.562	5044403.005	85.500
630	34350453.420	5043402.290	129.470	7350838.019	5044404.971	0.713	0.434	43.990	7350838.732	5044405.405	85.480
631	34350451.190	5043401.120	129.520	7350835.788	5044403.801	0.713	0.434	43.990	7350836.501	5044404.235	85.530
632	34350447.190	5043395.510	129.620	7350831.787	5044398.189	0.713	0.435	43.990	7350832.500	5044398.624	85.630
633	34350443.640	5043398.080	129.520	7350828.236	5044400.759	0.713	0.435	43.990	7350828.949	5044401.194	85.530
634	34350449.120	5043405.580	129.470	7350833.717	5044408.262	0.713	0.434	43.990	7350834.430	5044408.696	85.480
635	34350450.160	5043408.620	129.460	7350834.757	5044411.303	0.714	0.434	43.990	7350835.471	5044411.737	85.470
636	34350452.610	5043405.450	129.480	7350837.208	5044408.132	0.713	0.434	43.990	7350837.921	5044408.566	85.490
637	34350441.260	5043399.740	129.340	7350825.855	5044402.420	0.713	0.435	43.990	7350826.568	5044402.855	85.350
638	34350447.410	5043411.490	129.450	7350832.007	5044414.174	0.713	0.434	43.990	7350832.720	5044414.608	85.460
639	34350439.970	5043415.060	129.520	7350824.564	5044417.744	0.714	0.435	43.990	7350825.278	5044418.179	85.530
640	34350438.580	5043416.710	129.600	7350823.174	5044419.395	0.713	0.434	43.990	7350823.887	5044419.829	85.610
641	34350436.940	5043417.880	129.630	7350821.533	5044420.565	0.714	0.435	43.990	7350822.247	5044421.000	85.640
642	34350435.310	5043419.020	129.650	7350819.903	5044421.705	0.713	0.435	43.990	7350820.616	5044422.140	85.660
643	34350437.630	5043411.820	129.590	7350822.224	5044414.503	0.713	0.435	43.990	7350822.937	5044414.938	85.600
644	34350424.800	5043405.460	129.620	7350809.390	5044408.141	0.714	0.435	43.990	7350810.104	5044408.576	85.630
645	34350437.510	5043405.640	129.470	7350822.104	5044408.322	0.713	0.434	43.990	7350822.817	5044408.756	85.480
646	34350416.840	5043392.100	129.560	7350801.428	5044394.777	0.714	0.435	43.990	7350802.142	5044395.212	85.570
647	34350417.140	5043395.690	129.590	7350801.728	5044398.368	0.714	0.435	43.990	7350802.442	5044398.803	85.600
648	34350415.850	5043398.170	129.560	7350800.438	5044400.849	0.713	0.435	43.990	7350801.151	5044401.284	85.570
649	34350410.970	5043401.980	129.650	7350795.556	5044404.660	0.714	0.435	43.990	7350796.270	5044405.095	85.660
650	34350408.910	5043402.170	129.760	7350793.495	5044404.850	0.714	0.435	43.990	7350794.209	5044405.285	85.770
651	34350406.490	5043401.340	129.820	7350791.075	5044404.019	0.714	0.436	43.990	7350791.789	5044404.455	85.830
652	34350409.180	5043397.560	132.000	7350793.766	5044400.238	0.713	0.436	43.990	7350794.479	5044400.674	88.010
653	34350413.010	5043395.060	131.880	7350797.597	5044397.738	0.714	0.435	43.990	7350798.311	5044398.173	87.890
654	34350409.720	5043390.940	132.110	7350794.306	5044393.616	0.714	0.436	43.990	7350795.020	5044394.052	88.120
655	34350408.840	5043391.510	132.300	7350793.426	5044394.186	0.714	0.436	43.990	7350794.140	5044394.622	88.310
656	34350409.800	5043392.910	132.280	7350794.386	5044395.587	0.714	0.436	43.990	7350795.100	5044396.023	88.290
657	34350408.180	5043394.010	132.220	7350792.765	5044396.687	0.714	0.436	43.990	7350793.479	5044397.123	88.230
658	34350406.390	5043393.230	131.970	7350790.975	5044395.907	0.714	0.436	43.990	7350791.689	5044396.343	87.980
659	34350404.920	5043391.180	131.650	7350789.504	5044393.856	0.714	0.436	43.990	7350790.218	5044394.292	87.660
660	34350402.230	5043393.040	130.840	7350786.814	5044395.717	0.714	0.436	43.990	7350787.528	5044396.153	86.850
660	34350402.190	5043393.040	129.740	7350786.774	5044395.717	0.714	0.436	43.990	7350787.488	5044396.153	85.750
661	34350401.630	5043395.080	129.750	7350786.213	5044397.757	0.714	0.436	43.990	7350786.927	5044398.193	85.760
662	34350401.140	5043399.280	129.770	7350785.723	5044401.959	0.714	0.435	43.990	7350786.437	5044402.394	85.780
663	34350432.120	5043415.040	129.650	7350816.712	5044417.724	0.713	0.435	43.990	7350817.425	5044418.159	85.660
664	34350430.830	5043417.490	129.720	7350815.421	5044420.175	0.714	0.435	43.990	7350816.135	5044420.610	85.730
665	34350428.570	5043417.750	129.660	7350813.161	5044420.435	0.713	0.435	43.990	7350813.874	5044420.870	85.670
666	34350431.310	5043421.430	129.590	7350815.901	5044424.116	0.714	0.435	43.990	7350816.615	5044424.551	85.600
667	34350432.570	5043422.500	129.530	7350817.162	5044425.186	0.713	0.435	43.990	7350817.875	5044425.621	85.540
668	34350428.790	5043423.950	129.550	7350813.381	5044426.637	0.713	0.434	43.990	7350814.094	5044427.071	85.560



669	34350428.560	5043422.770	129.620	7350813.151	5044425.456	0.713	0.435	43.990	7350813.864	5044425.891	85.630
670	34350426.120	5043419.740	129.660	7350810.710	5044422.425	0.714	0.435	43.990	7350811.424	5044422.860	85.670
671	34350422.530	5043422.260	129.640	7350807.119	5044424.946	0.714	0.435	43.990	7350807.833	5044425.381	85.650
672	34350468.010	5043474.100	125.480	7350852.611	5044476.803	0.713	0.433	43.989	7350853.324	5044477.236	81.491
672	34350459.830	5043464.450	126.660	7350844.429	5044467.150	0.713	0.433	43.989	7350845.142	5044467.583	82.671
673	34350444.320	5043448.970	127.450	7350828.914	5044451.665	0.714	0.434	43.990	7350829.628	5044452.099	83.460
674	34350435.740	5043446.290	127.590	7350820.332	5044448.984	0.714	0.434	43.990	7350821.046	5044449.418	83.600
675	34350437.420	5043445.180	127.580	7350822.013	5044447.873	0.713	0.434	43.990	7350822.726	5044448.307	83.590
676	34350446.550	5043445.170	127.960	7350831.145	5044447.864	0.714	0.433	43.990	7350831.859	5044448.297	83.970
677	34350423.100	5043458.360	127.650	7350807.688	5044461.057	0.714	0.434	43.990	7350808.402	5044461.491	83.660
678	34350422.860	5043469.020	126.880	7350807.447	5044471.720	0.714	0.434	43.990	7350808.161	5044472.154	82.890
679	34350422.870	5043485.360	126.870	7350807.457	5044488.065	0.714	0.434	43.990	7350808.171	5044488.499	82.880
679	34350386.260	5043475.400	129.710	7350770.836	5044478.101	0.715	0.435	43.990	7350771.551	5044478.536	85.720
680	34350389.880	5043473.560	129.810	7350774.458	5044476.260	0.714	0.435	43.990	7350775.172	5044476.695	85.820
681	34350386.150	5043479.310	129.610	7350770.726	5044482.012	0.715	0.435	43.990	7350771.441	5044482.447	85.620
682	34350388.160	5043478.330	129.550	7350772.737	5044481.032	0.715	0.435	43.990	7350773.452	5044481.467	85.560
683	34350380.860	5043468.850	129.710	7350765.435	5044471.549	0.715	0.435	43.990	7350766.150	5044471.984	85.720
684	34350378.970	5043468.200	129.690	7350763.544	5044470.898	0.715	0.436	43.990	7350764.259	5044471.334	85.700
685	34350383.190	5043461.000	129.690	7350767.766	5044463.696	0.715	0.436	43.990	7350768.481	5044464.132	85.700
686	34350384.630	5043457.790	129.760	7350769.206	5044460.485	0.715	0.436	43.990	7350769.921	5044460.921	85.770
687	34350388.600	5043452.350	129.740	7350773.178	5044455.044	0.714	0.435	43.990	7350773.892	5044455.479	85.750
688	34350398.900	5043444.140	129.720	7350783.481	5044446.832	0.714	0.435	43.990	7350784.195	5044447.267	85.730
689	34350402.110	5043442.540	129.590	7350786.692	5044445.231	0.714	0.436	43.990	7350787.406	5044445.667	85.600
690	34350404.240	5043445.600	129.590	7350788.823	5044448.292	0.714	0.435	43.990	7350789.537	5044448.727	85.600
691	34350404.820	5043449.520	129.590	7350789.403	5044452.214	0.714	0.435	43.990	7350790.117	5044452.649	85.600
692	34350404.210	5043452.210	129.580	7350788.792	5044454.904	0.715	0.435	43.990	7350789.507	5044455.339	85.590
693	34350402.360	5043455.020	129.580	7350786.942	5044457.715	0.714	0.435	43.990	7350787.656	5044458.150	85.590
694	34350395.860	5043460.750	129.650	7350780.440	5044463.447	0.714	0.435	43.990	7350781.154	5044463.882	85.660
695	34350392.580	5043462.720	129.660	7350777.159	5044465.417	0.714	0.435	43.990	7350777.873	5044465.852	85.670
696	34350388.970	5043463.370	129.650	7350773.548	5044466.067	0.714	0.435	43.990	7350774.262	5044466.502	85.660
697	34350386.050	5043462.690	129.690	7350770.627	5044465.387	0.714	0.435	43.990	7350771.341	5044465.822	85.700
698	34350381.450	5043452.680	129.840	7350766.026	5044455.374	0.714	0.435	43.990	7350766.740	5044455.809	85.850
699	34350379.690	5043453.420	129.860	7350764.265	5044456.114	0.715	0.436	43.990	7350764.980	5044456.550	85.870
700	34350383.210	5043450.340	129.840	7350767.786	5044453.033	0.715	0.436	43.990	7350768.501	5044453.469	85.850
701	34350395.750	5043440.910	129.900	7350780.330	5044443.601	0.715	0.435	43.990	7350781.045	5044444.036	85.910
702	34350398.560	5043438.270	129.530	7350783.141	5044440.960	0.714	0.435	43.990	7350783.855	5044441.395	85.540
703	34350396.990	5043438.170	129.820	7350781.571	5044440.860	0.714	0.435	43.990	7350782.285	5044441.295	85.830
704	34350398.030	5043435.070	129.570	7350782.611	5044437.759	0.714	0.435	43.990	7350783.325	5044438.194	85.580
705	34350396.260	5043435.210	129.840	7350780.841	5044437.899	0.714	0.436	43.990	7350781.555	5044438.335	85.850
706	34350396.210	5043432.740	129.550	7350780.791	5044435.428	0.714	0.436	43.990	7350781.505	5044435.864	85.560
707	34350394.410	5043433.720	129.910	7350778.990	5044436.409	0.714	0.435	43.990	7350779.704	5044436.844	85.920
708	34350392.350	5043433.300	129.910	7350776.929	5044435.988	0.715	0.436	43.990	7350777.644	5044436.424	85.920
709	34350393.080	5043431.620	129.550	7350777.660	5044434.308	0.714	0.436	43.990	7350778.374	5044434.744	85.560
710	34350390.960	5043432.850	129.920	7350775.539	5044435.538	0.715	0.436	43.990	7350776.254	5044435.974	85.930
711	34350391.400	5043431.220	129.920	7350775.979	5044433.908	0.715	0.435	43.990	7350776.694	5044434.343	85.930
712	34350391.110	5043429.370	129.900	7350775.689	5044432.057	0.715	0.436	43.990	7350776.404	5044432.493	85.910
713	34350392.500	5043428.290	129.550	7350777.080	5044430.977	0.714	0.436	43.990	7350777.794	5044431.413	85.560
714	34350395.270	5043430.000	129.550	7350779.850	5044432.687	0.715	0.436	43.990	7350780.565	5044433.123	85.560
715	34350390.280	5043427.900	129.910	7350774.859	5044430.587	0.714	0.435	43.990	7350775.573	5044431.022	85.920



716	34350390.500	5043425.890	129.530	7350775.079	5044428.576	0.715	0.436	43.990	7350775.794	5044429.012	85.540
717	34350387.380	5043424.840	129.600	7350771.958	5044427.526	0.715	0.436	43.990	7350772.673	5044427.962	85.610
718	34350388.110	5043426.620	129.890	7350772.688	5044429.306	0.715	0.436	43.990	7350773.403	5044429.742	85.900
719	34350385.470	5043425.760	129.890	7350770.048	5044428.446	0.714	0.436	43.990	7350770.762	5044428.882	85.900
720	34350385.750	5043423.840	129.890	7350770.328	5044426.525	0.714	0.436	43.990	7350771.042	5044426.961	85.900
721	34350385.170	5043421.860	129.880	7350769.748	5044424.545	0.714	0.436	43.990	7350770.462	5044424.981	85.890
722	34350391.980	5043423.730	129.620	7350776.560	5044426.416	0.714	0.435	43.990	7350777.274	5044426.851	85.630
723	34350425.310	5043424.670	129.520	7350809.900	5044427.357	0.713	0.435	43.990	7350810.613	5044427.792	85.530
724	34350423.380	5043426.170	129.550	7350807.969	5044428.857	0.714	0.435	43.990	7350808.683	5044429.292	85.560
725	34350421.710	5043424.520	129.550	7350806.298	5044427.207	0.714	0.435	43.990	7350807.012	5044427.642	85.560
726	34350415.190	5043412.700	129.550	7350799.777	5044415.383	0.714	0.435	43.990	7350800.491	5044415.818	85.560
727	34350412.670	5043412.250	129.560	7350797.256	5044414.933	0.714	0.435	43.990	7350797.970	5044415.368	85.570
728	34350421.290	5043424.580	129.560	7350805.878	5044427.267	0.714	0.435	43.990	7350806.592	5044427.702	85.570
729	34350417.730	5043423.500	129.580	7350802.317	5044426.186	0.714	0.435	43.990	7350803.031	5044426.621	85.590
730	34350412.990	5043421.030	129.610	7350797.576	5044423.715	0.714	0.436	43.990	7350798.290	5044424.151	85.620
731	34350409.760	5043418.230	129.650	7350794.345	5044420.914	0.714	0.436	43.990	7350795.059	5044421.350	85.660
732	34350409.770	5043417.260	129.650	7350794.355	5044419.944	0.714	0.436	43.990	7350795.069	5044420.380	85.660
733	34350410.610	5043416.310	129.630	7350795.195	5044418.994	0.714	0.435	43.990	7350795.909	5044419.429	85.640
734	34350407.800	5043415.890	129.630	7350792.385	5044418.574	0.714	0.435	43.990	7350793.099	5044419.009	85.640
735	34350408.530	5043415.990	129.630	7350793.115	5044418.674	0.714	0.435	43.990	7350793.829	5044419.109	85.640
736	34350409.240	5043415.770	129.610	7350793.825	5044418.454	0.714	0.435	43.990	7350794.539	5044418.889	85.620
737	34350402.360	5043408.300	129.670	7350786.943	5044410.981	0.714	0.436	43.990	7350787.657	5044411.417	85.680
738	34350401.350	5043404.710	129.710	7350785.933	5044407.390	0.714	0.436	43.990	7350786.647	5044407.826	85.720
739	34350401.080	5043397.900	129.780	7350785.663	5044400.578	0.714	0.436	43.990	7350786.377	5044401.014	85.790
740	34350374.730	5043402.760	129.650	7350759.305	5044405.439	0.715	0.436	43.991	7350760.020	5044405.875	85.659
741	34350394.320	5043400.410	129.670	7350778.901	5044403.089	0.714	0.436	43.990	7350779.615	5044403.525	85.680
742	34350457.470	5043443.410	129.360	7350842.069	5044446.103	0.713	0.434	43.990	7350842.782	5044446.537	85.370
743	34350482.550	5043453.700	129.480	7350867.156	5044456.397	0.712	0.433	43.989	7350867.868	5044456.830	85.491
744	34350482.220	5043454.810	129.460	7350866.826	5044457.507	0.712	0.433	43.989	7350867.538	5044457.940	85.471
745	34350482.880	5043454.410	129.470	7350867.486	5044457.107	0.712	0.433	43.989	7350868.198	5044457.540	85.481
746	34350483.790	5043455.700	129.460	7350868.396	5044458.398	0.713	0.433	43.989	7350869.109	5044458.831	85.471
747	34350472.560	5043453.220	129.600	7350857.163	5044455.917	0.713	0.433	43.989	7350857.876	5044456.350	85.611
748	34350433.600	5043399.530	129.330	7350818.193	5044402.210	0.713	0.435	43.990	7350818.906	5044402.645	85.340
749	34350401.270	5043416.060	129.710	7350785.853	5044418.743	0.714	0.436	43.990	7350786.567	5044419.179	85.720
750	34350383.960	5043395.210	129.660	7350768.538	5044397.887	0.715	0.436	43.991	7350769.253	5044398.323	85.669
751	34350430.580	5043394.780	129.210	7350815.172	5044397.458	0.713	0.435	43.990	7350815.885	5044397.893	85.220
752	34350437.520	5043394.720	129.260	7350822.114	5044397.398	0.713	0.435	43.990	7350822.827	5044397.833	85.270
753	34350431.910	5043389.180	129.340	7350816.503	5044391.856	0.713	0.436	43.990	7350817.216	5044392.292	85.350
754	34350394.060	5043441.970	129.920	7350778.640	5044444.661	0.714	0.435	43.990	7350779.354	5044445.096	85.930
755	34350392.970	5043442.210	129.910	7350777.549	5044444.901	0.715	0.435	43.990	7350778.264	5044445.336	85.920
756	34350390.210	5043443.310	129.910	7350774.789	5044446.001	0.714	0.436	43.990	7350775.503	5044446.437	85.920
757	34350389.990	5043444.870	129.900	7350774.568	5044447.562	0.715	0.435	43.990	7350775.283	5044447.997	85.910
758	34350388.640	5043446.750	129.880	7350773.218	5044449.442	0.715	0.436	43.990	7350773.933	5044449.878	85.890
759	34350387.100	5043447.640	129.880	7350771.677	5044450.332	0.715	0.436	43.990	7350772.392	5044450.768	85.890
760	34350386.110	5043447.830	129.870	7350770.687	5044450.522	0.715	0.436	43.990	7350771.402	5044450.958	85.880
761	34350383.390	5043448.720	129.880	7350767.966	5044451.413	0.715	0.435	43.990	7350768.681	5044451.848	85.890
762	34350379.440	5043418.510	129.900	7350764.016	5044421.194	0.715	0.436	43.991	7350764.731	5044421.630	85.909
763	34350379.750	5043416.510	129.870	7350764.326	5044419.193	0.715	0.436	43.991	7350765.041	5044419.629	85.879
764	34350374.050	5043411.110	129.880	7350758.625	5044413.791	0.714	0.437	43.991	7350759.339	5044414.228	85.889



765	34350374.170	5043409.700	129.910	7350758.745	5044412.381	0.714	0.436	43.991	7350759.459	5044412.817	85.919
766	34350368.430	5043404.210	129.860	7350753.003	5044406.889	0.715	0.437	43.991	7350753.718	5044407.326	85.869
767	34350368.530	5043402.890	129.870	7350753.103	5044405.569	0.715	0.436	43.991	7350753.818	5044406.005	85.879
768	34350415.420	5043441.180	129.470	7350800.006	5044443.871	0.714	0.435	43.990	7350800.720	5044444.306	85.480
769	34350374.850	5043450.720	130.120	7350759.424	5044453.413	0.715	0.436	43.990	7350760.139	5044453.849	86.130
770	34350369.250	5043454.740	129.780	7350753.822	5044457.434	0.715	0.436	43.991	7350754.537	5044457.870	85.789
771	34350375.410	5043451.720	129.820	7350759.984	5044454.413	0.715	0.436	43.990	7350760.699	5044454.849	85.830
772	34350375.420	5043451.750	129.810	7350759.994	5044454.443	0.715	0.436	43.990	7350760.709	5044454.879	85.820
773	34350375.740	5043452.120	129.810	7350760.314	5044454.813	0.715	0.436	43.990	7350761.029	5044455.249	85.820
772	34350377.000	5043453.070	129.820	7350761.574	5044455.764	0.715	0.435	43.990	7350762.289	5044456.199	85.830
773	34350374.520	5043449.760	129.800	7350759.094	5044452.453	0.715	0.436	43.990	7350759.809	5044452.889	85.810
774	34350374.620	5043447.710	129.800	7350759.194	5044450.402	0.715	0.436	43.990	7350759.909	5044450.838	85.810
775	34350374.080	5043446.560	129.810	7350758.654	5044449.252	0.714	0.436	43.990	7350759.368	5044449.688	85.820
776	34350375.260	5043453.940	129.710	7350759.834	5044456.634	0.715	0.436	43.990	7350760.549	5044457.070	85.720
777	34350373.450	5043451.550	129.730	7350758.023	5044454.243	0.715	0.436	43.990	7350758.738	5044454.679	85.740
778	34350372.830	5043448.290	129.680	7350757.403	5044450.982	0.715	0.436	43.990	7350758.118	5044451.418	85.690
779	34350371.100	5043449.540	129.660	7350755.673	5044452.233	0.715	0.435	43.991	7350756.388	5044452.668	85.669
780	34350369.580	5043447.120	129.660	7350754.152	5044449.812	0.715	0.436	43.991	7350754.867	5044450.248	85.669
781	34350371.820	5043446.400	129.800	7350756.393	5044449.092	0.715	0.436	43.991	7350757.108	5044449.528	85.809
782	34350369.930	5043445.170	129.820	7350754.502	5044447.861	0.715	0.436	43.991	7350755.217	5044448.297	85.829
783	34350368.870	5043443.060	129.840	7350753.442	5044445.751	0.715	0.436	43.991	7350754.157	5044446.187	85.849
784	34350369.100	5043440.540	129.840	7350753.672	5044443.230	0.715	0.436	43.991	7350754.387	5044443.666	85.849
785	34350368.640	5043439.700	129.850	7350753.212	5044442.390	0.715	0.436	43.991	7350753.927	5044442.826	85.859
786	34350367.780	5043444.850	129.660	7350752.352	5044447.541	0.715	0.436	43.991	7350753.067	5044447.977	85.669
787	34350367.140	5043441.550	129.670	7350751.712	5044444.240	0.715	0.436	43.991	7350752.427	5044444.676	85.679
788	34350364.060	5043440.320	129.670	7350748.631	5044443.010	0.715	0.436	43.991	7350749.346	5044443.446	85.679
789	34350366.430	5043439.690	129.820	7350751.002	5044442.379	0.715	0.437	43.991	7350751.717	5044442.816	85.829
790	34350364.310	5043438.380	129.820	7350748.881	5044441.069	0.715	0.436	43.991	7350749.596	5044441.505	85.829
791	34350363.270	5043436.220	129.830	7350747.841	5044438.908	0.715	0.437	43.991	7350748.556	5044439.345	85.839
792	34350363.530	5043433.690	129.880	7350748.101	5044436.378	0.715	0.436	43.991	7350748.816	5044436.814	85.889
793	34350362.640	5043432.520	129.870	7350747.211	5044435.207	0.715	0.437	43.991	7350747.926	5044435.644	85.879
794	34350362.180	5043438.070	129.690	7350746.750	5044440.759	0.715	0.436	43.991	7350747.465	5044441.195	85.699
795	34350361.340	5043434.510	129.660	7350745.910	5044437.198	0.715	0.436	43.991	7350746.625	5044437.634	85.669
796	34350359.800	5043435.900	129.720	7350744.370	5044438.588	0.715	0.437	43.991	7350745.085	5044439.025	85.729
797	34350360.400	5043432.480	129.840	7350744.970	5044435.167	0.715	0.437	43.991	7350745.685	5044435.604	85.849
798	34350358.040	5043433.050	129.650	7350742.609	5044435.737	0.715	0.437	43.991	7350743.324	5044436.174	85.659
799	34350358.210	5043431.040	129.790	7350742.779	5044433.727	0.716	0.436	43.991	7350743.495	5044434.163	85.799
800	34350356.120	5043430.680	129.690	7350740.689	5044433.366	0.715	0.437	43.991	7350741.404	5044433.803	85.699
801	34350357.180	5043428.130	129.810	7350741.749	5044430.816	0.715	0.436	43.991	7350742.464	5044431.252	85.819
802	34350357.440	5043426.630	129.820	7350742.009	5044429.315	0.715	0.437	43.991	7350742.724	5044429.752	85.829
803	34350357.110	5043425.650	129.840	7350741.679	5044428.335	0.715	0.437	43.991	7350742.394	5044428.772	85.849
804	34350355.000	5043425.660	129.790	7350739.569	5044428.345	0.715	0.437	43.991	7350740.284	5044428.782	85.799
805	34350355.540	5043427.460	129.630	7350740.109	5044430.146	0.715	0.436	43.991	7350740.824	5044430.582	85.639
806	34350352.390	5043426.230	129.610	7350736.958	5044428.915	0.715	0.437	43.991	7350737.673	5044429.352	85.619
807	34350352.570	5043424.120	129.790	7350737.138	5044426.804	0.715	0.437	43.991	7350737.853	5044427.241	85.799
808	34350350.540	5043423.860	129.610	7350735.107	5044426.544	0.716	0.437	43.991	7350735.823	5044426.981	85.619
809	34350351.580	5043421.650	129.800	7350736.148	5044424.334	0.715	0.437	43.991	7350736.863	5044424.771	85.809
810	34350351.850	5043419.750	129.820	7350736.418	5044422.433	0.715	0.437	43.991	7350737.133	5044422.870	85.829
811	34350351.330	5043418.910	129.800	7350735.898	5044421.593	0.715	0.437	43.991	7350736.613	5044422.030	85.809



812	34350350.050	5043420.710	129.550	7350734.617	5044423.393	0.716	0.437	43.991	7350735.333	5044423.830	85.559
813	34350348.210	5043421.820	129.550	7350732.777	5044424.504	0.715	0.437	43.991	7350733.492	5044424.941	85.559
814	34350349.090	5043418.800	129.800	7350733.657	5044421.483	0.715	0.437	43.991	7350734.372	5044421.920	85.809
815	34350346.900	5043419.510	129.520	7350731.466	5044422.193	0.716	0.437	43.991	7350732.182	5044422.630	85.529
816	34350346.980	5043417.410	129.780	7350731.546	5044420.092	0.716	0.437	43.991	7350732.262	5044420.529	85.789
817	34350344.940	5043417.200	129.550	7350729.506	5044419.882	0.715	0.437	43.991	7350730.221	5044420.319	85.559
818	34350345.880	5043414.740	129.770	7350730.446	5044417.421	0.716	0.438	43.991	7350731.162	5044417.859	85.779
819	34350346.180	5043412.810	129.770	7350730.746	5044415.491	0.716	0.437	43.991	7350731.462	5044415.928	85.779
820	34350344.290	5043413.900	129.640	7350728.856	5044416.581	0.715	0.437	43.991	7350729.571	5044417.018	85.649
821	34350345.630	5043410.590	129.790	7350730.196	5044413.270	0.716	0.437	43.991	7350730.912	5044413.707	85.799
822	34350345.000	5043410.680	129.630	7350729.566	5044413.360	0.715	0.438	43.991	7350730.281	5044413.798	85.639
823	34350343.560	5043411.900	129.660	7350728.126	5044414.581	0.715	0.437	43.991	7350728.841	5044415.018	85.669
824	34350341.270	5043409.200	129.630	7350725.835	5044411.880	0.715	0.437	43.991	7350726.550	5044412.317	85.639
825	34350339.280	5043402.810	129.530	7350723.845	5044405.488	0.715	0.437	43.991	7350724.560	5044405.925	85.539
825	34350339.200	5043402.800	129.530	7350723.765	5044405.478	0.715	0.437	43.991	7350724.480	5044405.915	85.539
826	34350334.570	5043405.830	129.470	7350719.133	5044408.508	0.716	0.438	43.991	7350719.849	5044408.946	85.479
827	34350340.900	5043421.350	129.660	7350725.465	5044424.033	0.715	0.437	43.991	7350726.180	5044424.470	85.669
828	34350340.720	5043421.640	129.550	7350725.284	5044424.323	0.716	0.438	43.991	7350726.000	5044424.761	85.559
829	34350353.390	5043435.240	129.820	7350737.958	5044437.928	0.715	0.436	43.991	7350738.673	5044438.364	85.829
830	34350353.190	5043435.570	129.580	7350737.758	5044438.258	0.715	0.437	43.991	7350738.473	5044438.695	85.589
831	34350323.850	5043426.170	129.500	7350708.409	5044428.854	0.716	0.438	43.991	7350709.125	5044429.292	85.509
832	34350307.900	5043440.460	129.430	7350692.454	5044443.148	0.716	0.438	43.991	7350693.170	5044443.586	85.439
833	34350288.850	5043459.630	129.410	7350673.398	5044462.323	0.717	0.438	43.991	7350674.115	5044462.761	85.419
834	34350309.890	5043472.960	129.440	7350694.444	5044475.658	0.716	0.437	43.991	7350695.160	5044476.095	85.449
835	34350322.860	5043459.220	129.480	7350707.418	5044461.914	0.716	0.437	43.991	7350708.134	5044462.351	85.489
836	34350338.160	5043446.410	129.510	7350722.723	5044449.101	0.716	0.437	43.991	7350723.439	5044449.538	85.519
837	34350353.440	5043463.640	129.550	7350738.007	5044466.336	0.715	0.436	43.991	7350738.722	5044466.772	85.559
838	34350341.520	5043473.560	129.530	7350726.083	5044476.259	0.716	0.436	43.991	7350726.799	5044476.695	85.539
839	34350328.890	5043485.010	129.490	7350713.449	5044487.712	0.716	0.436	43.991	7350714.165	5044488.148	85.499
840	34350358.400	5043503.750	129.550	7350742.967	5044506.458	0.716	0.436	43.990	7350743.683	5044506.894	85.560
841	34350294.270	5043439.680	129.410	7350678.820	5044442.367	0.717	0.439	43.991	7350679.537	5044442.806	85.419
842	34350285.190	5043428.740	129.530	7350669.738	5044431.424	0.716	0.438	43.992	7350670.454	5044431.862	85.538
843	34350276.090	5043433.500	129.600	7350660.635	5044436.185	0.717	0.439	43.992	7350661.352	5044436.624	85.608
844	34350263.410	5043443.600	129.640	7350647.951	5044446.288	0.717	0.439	43.992	7350648.668	5044446.727	85.648
845	34350257.030	5043439.750	129.590	7350641.569	5044442.436	0.717	0.439	43.992	7350642.286	5044442.875	85.598
846	34350253.830	5043435.760	129.800	7350638.368	5044438.445	0.718	0.439	43.992	7350639.086	5044438.884	85.808
847	34350256.120	5043438.500	129.700	7350640.659	5044441.186	0.717	0.439	43.992	7350641.376	5044441.625	85.708
848	34350255.880	5043440.650	129.500	7350640.419	5044443.336	0.717	0.440	43.992	7350641.136	5044443.776	85.508
849	34350255.040	5043439.580	129.550	7350639.578	5044442.266	0.718	0.439	43.992	7350640.296	5044442.705	85.558
850	34350253.810	5043438.050	128.570	7350638.348	5044440.736	0.718	0.439	43.992	7350639.066	5044441.175	84.578
851	34350254.940	5043437.130	128.690	7350639.478	5044439.815	0.718	0.440	43.992	7350640.196	5044440.255	84.698
852	34350252.720	5043436.590	128.490	7350637.258	5044439.275	0.717	0.440	43.992	7350637.975	5044439.715	84.498
853	34350253.700	5043435.700	128.570	7350638.238	5044438.385	0.718	0.439	43.992	7350638.956	5044438.824	84.578
854	34350253.110	5043435.930	128.290	7350637.648	5044438.615	0.717	0.439	43.992	7350638.365	5044439.054	84.298
855	34350245.770	5043425.940	129.770	7350630.306	5044428.622	0.718	0.440	43.992	7350631.024	5044429.062	85.778
856	34350251.210	5043423.950	129.800	7350635.748	5044426.631	0.717	0.440	43.992	7350636.465	5044427.071	85.808
857	34350253.850	5043427.220	129.810	7350638.388	5044429.902	0.718	0.440	43.992	7350639.106	5044430.342	85.818
858	34350259.420	5043429.460	129.810	7350643.960	5044432.143	0.717	0.440	43.992	7350644.677	5044432.583	85.818
859	34350253.410	5043420.830	129.820	7350637.949	5044423.510	0.717	0.440	43.992	7350638.666	5044423.950	85.828



860	34350253.650	5043435.450	129.810	7350638.188	5044438.135	0.718	0.439	43.992	7350638.906	5044438.574	85.818
861	34350253.580	5043435.360	129.840	7350638.118	5044438.045	0.718	0.439	43.992	7350638.836	5044438.484	85.848
862	34350266.480	5043424.970	129.790	7350651.022	5044427.652	0.717	0.439	43.992	7350651.739	5044428.091	85.798
863	34350266.390	5043424.870	129.790	7350650.932	5044427.552	0.717	0.439	43.992	7350651.649	5044427.991	85.798
864	34350256.270	5043430.430	129.790	7350640.809	5044433.113	0.717	0.440	43.992	7350641.526	5044433.553	85.798
865	34350265.080	5043423.440	129.800	7350649.622	5044426.122	0.717	0.439	43.992	7350650.339	5044426.561	85.808
866	34350262.420	5043420.210	129.790	7350646.961	5044422.891	0.717	0.439	43.992	7350647.678	5044423.330	85.798
867	34350259.750	5043416.970	129.810	7350644.291	5044419.649	0.717	0.440	43.992	7350645.008	5044420.089	85.818
868	34350258.800	5043415.200	129.830	7350643.340	5044417.879	0.717	0.440	43.992	7350644.057	5044418.319	85.838
869	34350268.240	5043409.970	129.790	7350652.783	5044412.648	0.717	0.439	43.992	7350653.500	5044413.087	85.798
870	34350270.930	5043413.200	129.780	7350655.474	5044415.879	0.717	0.439	43.992	7350656.191	5044416.318	85.788
871	34350273.570	5043416.440	129.790	7350658.115	5044419.120	0.717	0.439	43.992	7350658.832	5044419.559	85.798
872	34350275.900	5043417.210	129.800	7350660.445	5044419.890	0.717	0.439	43.992	7350661.162	5044420.329	85.808
873	34350282.630	5043410.360	129.810	7350667.178	5044413.038	0.716	0.439	43.992	7350667.894	5044413.477	85.818
874	34350282.050	5043409.470	129.810	7350666.597	5044412.148	0.717	0.439	43.992	7350667.314	5044412.587	85.818
875	34350279.370	5043406.220	129.800	7350663.917	5044408.897	0.716	0.439	43.992	7350664.633	5044409.336	85.808
876	34350276.690	5043403.010	129.800	7350661.236	5044405.686	0.717	0.439	43.992	7350661.953	5044406.125	85.808
877	34350290.840	5043407.010	129.750	7350675.390	5044409.687	0.717	0.439	43.992	7350676.107	5044410.126	85.758
878	34350292.400	5043408.840	129.750	7350676.950	5044411.518	0.717	0.439	43.992	7350677.667	5044411.957	85.758
879	34350276.050	5043402.230	129.800	7350660.596	5044404.906	0.717	0.439	43.992	7350661.313	5044405.345	85.808
880	34350298.200	5043416.520	129.500	7350682.752	5044419.201	0.716	0.438	43.991	7350683.468	5044419.639	85.509
881	34350296.230	5043405.710	129.760	7350680.782	5044408.387	0.716	0.439	43.992	7350681.498	5044408.826	85.768
882	34350257.110	5043442.130	129.200	7350641.649	5044444.817	0.717	0.439	43.992	7350642.366	5044445.256	85.208
883	34350276.260	5043454.040	129.390	7350660.804	5044456.731	0.717	0.439	43.992	7350661.521	5044457.170	85.398
884	34350274.350	5043458.200	127.720	7350658.894	5044460.892	0.717	0.439	43.992	7350659.611	5044461.331	83.728
884	34350273.350	5043460.500	126.120	7350657.893	5044463.193	0.717	0.438	43.992	7350658.610	5044463.631	82.128
885	34350294.730	5043465.190	129.140	7350679.279	5044467.885	0.717	0.438	43.991	7350679.996	5044468.323	85.149
886	34350287.360	5043463.690	128.190	7350671.907	5044466.384	0.717	0.438	43.991	7350672.624	5044466.822	84.199
887	34350296.130	5043468.130	128.270	7350680.680	5044470.826	0.716	0.438	43.991	7350681.396	5044471.264	84.279
888	34350294.750	5043470.290	128.090	7350679.299	5044472.986	0.717	0.438	43.991	7350680.016	5044473.424	84.099
889	34350293.350	5043471.790	126.280	7350677.899	5044474.487	0.717	0.438	43.991	7350678.616	5044474.925	82.289
890	34350320.760	5043489.370	125.970	7350705.316	5044492.073	0.717	0.437	43.991	7350706.033	5044492.510	81.979
891	34350321.850	5043487.340	128.040	7350706.407	5044490.042	0.716	0.437	43.991	7350707.123	5044490.479	84.049
892	34350323.210	5043485.730	128.080	7350707.767	5044488.432	0.716	0.437	43.991	7350708.483	5044488.869	84.089
893	34350324.550	5043484.140	129.380	7350709.108	5044486.841	0.716	0.437	43.991	7350709.824	5044487.278	85.389
894	34350337.890	5043492.500	129.390	7350722.451	5044495.204	0.716	0.436	43.991	7350723.167	5044495.640	85.399
895	34350337.090	5043494.490	128.270	7350721.651	5044497.195	0.716	0.436	43.991	7350722.367	5044497.631	84.279
896	34350335.670	5043496.710	127.990	7350720.231	5044499.416	0.716	0.436	43.991	7350720.947	5044499.852	83.999
897	34350332.510	5043499.400	124.970	7350717.070	5044502.106	0.716	0.436	43.991	7350717.786	5044502.542	80.979
898	34350357.670	5043504.980	129.380	7350742.237	5044507.689	0.715	0.435	43.990	7350742.952	5044508.124	85.390
899	34350359.690	5043505.030	129.420	7350744.258	5044507.739	0.715	0.435	43.990	7350744.973	5044508.174	85.430
900	34350357.920	5043507.450	127.950	7350742.487	5044510.159	0.715	0.436	43.990	7350743.202	5044510.595	83.960
901	34350357.150	5043510.540	127.650	7350741.717	5044513.250	0.715	0.436	43.990	7350742.432	5044513.686	83.660
902	34350359.760	5043511.190	127.800	7350744.327	5044513.901	0.716	0.435	43.990	7350745.043	5044514.336	83.810
903	34350361.460	5043510.310	127.780	7350746.028	5044513.020	0.715	0.436	43.990	7350746.743	5044513.456	83.790
904	34350360.420	5043507.500	127.960	7350744.988	5044510.209	0.715	0.436	43.990	7350745.703	5044510.645	83.970
905	34350353.120	5043519.560	124.060	7350737.685	5044522.273	0.716	0.435	43.990	7350738.401	5044522.708	80.070
906	34350344.500	5043527.860	124.060	7350729.062	5044530.575	0.716	0.435	43.990	7350729.778	5044531.010	80.070
907	34350375.210	5043446.420	129.860	7350759.784	5044449.112	0.715	0.436	43.990	7350760.499	5044449.548	85.870



908	34350375.070	5043446.270	129.850	7350759.644	5044448.962	0.715	0.436	43.990	7350760.359	5044449.398	85.860
909	34350369.470	5043439.420	129.860	7350754.042	5044442.109	0.715	0.437	43.991	7350754.757	5044442.546	85.869
910	34350363.450	5043432.200	129.870	7350748.021	5044434.887	0.715	0.437	43.991	7350748.736	5044435.324	85.879
911	34350364.040	5043432.800	129.860	7350748.611	5044435.487	0.715	0.437	43.991	7350749.326	5044435.924	85.869
912	34350357.810	5043425.420	129.840	7350742.379	5044428.105	0.716	0.437	43.991	7350743.095	5044428.542	85.849
913	34350352.150	5043418.550	129.830	7350736.718	5044421.233	0.715	0.437	43.991	7350737.433	5044421.670	85.839
914	34350428.100	5043347.500	125.700	7350812.693	5044350.164	0.713	0.436	43.990	7350813.406	5044350.600	81.710
915	34350423.380	5043343.190	125.580	7350807.971	5044345.853	0.714	0.436	43.990	7350808.685	5044346.289	81.590
916	34350434.410	5043334.490	125.280	7350819.005	5044337.150	0.713	0.436	43.990	7350819.718	5044337.586	81.290
917	34350438.880	5043340.570	125.410	7350823.476	5044343.232	0.713	0.436	43.990	7350824.189	5044343.668	81.420
918	34350444.180	5043338.010	125.410	7350828.778	5044340.672	0.713	0.435	43.990	7350829.491	5044341.107	81.420
919	34350418.100	5043335.910	125.750	7350802.690	5044338.570	0.714	0.437	43.990	7350803.404	5044339.007	81.760
920	34350429.030	5043327.810	129.000	7350813.624	5044330.468	0.713	0.436	43.990	7350814.337	5044330.904	85.010
921	34350436.990	5043322.000	128.960	7350821.586	5044324.657	0.713	0.436	43.990	7350822.299	5044325.093	84.970
922	34350442.180	5043318.230	128.970	7350826.778	5044320.886	0.713	0.436	43.990	7350827.491	5044321.322	84.980
923	34350457.150	5043287.240	128.580	7350841.753	5044289.887	0.713	0.436	43.990	7350842.466	5044290.323	84.590
924	34350456.180	5043286.010	127.460	7350840.783	5044288.657	0.713	0.436	43.990	7350841.496	5044289.093	83.470
925	34350450.790	5043284.830	127.150	7350835.391	5044287.476	0.713	0.437	43.990	7350836.104	5044287.913	83.160
926	34350450.270	5043284.230	125.960	7350834.871	5044286.876	0.713	0.436	43.990	7350835.584	5044287.312	81.970
927	34350444.210	5043288.820	127.620	7350828.809	5044291.467	0.713	0.437	43.990	7350829.522	5044291.904	83.630
928	34350444.070	5043291.030	127.970	7350828.669	5044293.678	0.713	0.436	43.990	7350829.382	5044294.114	83.980
929	34350439.490	5043294.870	128.710	7350824.088	5044297.519	0.713	0.436	43.990	7350824.801	5044297.955	84.720
930	34350445.190	5043294.770	128.140	7350829.789	5044297.419	0.713	0.436	43.990	7350830.502	5044297.855	84.150
931	34350445.430	5043295.490	128.720	7350830.029	5044298.139	0.713	0.436	43.990	7350830.742	5044298.575	84.730
932	34350437.440	5043300.680	129.250	7350822.037	5044303.330	0.713	0.437	43.990	7350822.750	5044303.767	85.260
933	34350446.000	5043296.400	129.210	7350830.600	5044299.049	0.712	0.437	43.990	7350831.312	5044299.486	85.220
934	34350457.980	5043290.000	129.130	7350842.583	5044292.648	0.713	0.436	43.990	7350843.296	5044293.084	85.140
935	34350459.350	5043288.470	128.940	7350843.954	5044291.117	0.712	0.437	43.990	7350844.666	5044291.554	84.950
936	34350461.030	5043286.550	128.900	7350845.634	5044289.197	0.713	0.436	43.990	7350846.347	5044289.633	84.910
937	34350479.200	5043280.540	129.220	7350863.810	5044283.186	0.712	0.435	43.990	7350864.522	5044283.621	85.230
938	34350469.690	5043285.820	129.180	7350854.297	5044288.467	0.712	0.436	43.990	7350855.009	5044288.903	85.190
939	34350470.030	5043286.250	129.180	7350854.637	5044288.897	0.712	0.436	43.990	7350855.349	5044289.333	85.190
940	34350462.740	5043289.770	129.180	7350847.345	5044292.418	0.712	0.436	43.990	7350848.057	5044292.854	85.190
941	34350463.280	5043290.820	129.150	7350847.885	5044293.468	0.712	0.436	43.990	7350848.597	5044293.904	85.160
942	34350454.950	5043293.880	129.250	7350839.552	5044296.529	0.713	0.436	43.990	7350840.265	5044296.965	85.260
943	34350455.890	5043295.810	129.200	7350840.493	5044298.459	0.712	0.437	43.990	7350841.205	5044298.896	85.210
944	34350434.850	5043303.280	129.400	7350819.446	5044305.931	0.713	0.437	43.990	7350820.159	5044306.368	85.410
945	34350422.140	5043308.920	129.380	7350806.732	5044311.572	0.713	0.437	43.991	7350807.445	5044312.009	85.389
946	34350426.850	5043323.150	128.890	7350811.443	5044325.807	0.713	0.436	43.990	7350812.156	5044326.243	84.900
947	34350424.960	5043325.750	128.810	7350809.552	5044328.407	0.714	0.437	43.990	7350810.266	5044328.844	84.820
948	34350412.010	5043313.280	129.370	7350796.599	5044315.933	0.713	0.437	43.991	7350797.312	5044316.370	85.379
949	34350411.490	5043312.260	129.250	7350796.079	5044314.913	0.713	0.437	43.991	7350796.792	5044315.350	85.259
950	34350421.690	5043307.900	129.230	7350806.282	5044310.552	0.713	0.437	43.991	7350806.995	5044310.989	85.239
951	34350416.480	5043305.150	125.090	7350801.071	5044307.801	0.713	0.437	43.991	7350801.784	5044308.238	81.099
952	34350433.000	5043295.040	125.580	7350817.596	5044297.689	0.713	0.436	43.990	7350818.309	5044298.125	81.590
953	34350432.500	5043294.150	124.870	7350817.096	5044296.798	0.713	0.437	43.991	7350817.809	5044297.235	80.879
954	34350438.020	5043291.660	125.670	7350822.617	5044294.308	0.713	0.436	43.990	7350823.330	5044294.744	81.680
955	34350442.900	5043289.530	126.340	7350827.499	5044292.177	0.713	0.437	43.990	7350828.212	5044292.614	82.350
956	34350445.300	5043284.390	124.810	7350829.900	5044287.036	0.712	0.436	43.990	7350830.612	5044287.472	80.820



957	34350448.820	5043277.830	124.630	7350833.421	5044280.474	0.713	0.437	43.990	7350834.134	5044280.911	80.640
958	34350451.710	5043275.670	123.890	7350836.312	5044278.313	0.713	0.437	43.990	7350837.025	5044278.750	79.900
959	34350456.920	5043271.390	123.600	7350841.524	5044274.032	0.712	0.437	43.990	7350842.236	5044274.469	79.610
960	34350454.250	5043267.770	122.370	7350838.853	5044270.411	0.712	0.437	43.990	7350839.565	5044270.848	78.380
961	34350469.150	5043258.080	122.370	7350853.758	5044260.719	0.712	0.436	43.990	7350854.470	5044261.155	78.380
962	34350482.870	5043249.220	122.390	7350867.482	5044251.856	0.712	0.437	43.990	7350868.194	5044252.293	78.400
963	34350447.340	5043271.110	122.390	7350831.941	5044273.752	0.712	0.437	43.990	7350832.653	5044274.189	78.400
964	34350432.710	5043272.740	122.390	7350817.306	5044275.382	0.713	0.437	43.991	7350818.019	5044275.819	78.399
965	34350433.380	5043275.970	123.890	7350817.976	5044278.613	0.713	0.437	43.991	7350818.689	5044279.050	79.899
966	34350434.460	5043277.990	124.530	7350819.057	5044280.633	0.713	0.438	43.991	7350819.770	5044281.071	80.539
967	34350432.100	5043274.190	123.010	7350816.696	5044276.832	0.713	0.438	43.991	7350817.409	5044277.270	79.019
968	34350429.910	5043273.390	122.420	7350814.506	5044276.032	0.712	0.437	43.991	7350815.218	5044276.469	78.429
969	34350431.870	5043272.010	122.250	7350816.466	5044274.652	0.713	0.437	43.991	7350817.179	5044275.089	78.259
970	34350410.880	5043288.400	123.140	7350795.469	5044291.046	0.714	0.437	43.991	7350796.183	5044291.483	79.149
971	34350408.830	5043287.110	122.320	7350793.419	5044289.755	0.713	0.438	43.991	7350794.132	5044290.193	78.329
972	34350411.050	5043286.000	122.330	7350795.640	5044288.645	0.713	0.438	43.991	7350796.353	5044289.083	78.339
973	34350409.500	5043291.150	123.800	7350794.089	5044293.797	0.713	0.437	43.991	7350794.802	5044294.234	79.809
974	34350409.940	5043293.370	124.570	7350794.529	5044296.017	0.713	0.438	43.991	7350795.242	5044296.455	80.579
975	34350412.160	5043292.040	124.300	7350796.750	5044294.687	0.713	0.437	43.991	7350797.463	5044295.124	80.309
976	34350414.230	5043290.800	124.300	7350798.820	5044293.447	0.714	0.437	43.991	7350799.534	5044293.884	80.309
977	34350414.430	5043293.090	124.520	7350799.020	5044295.737	0.714	0.438	43.991	7350799.734	5044296.175	80.529
978	34350394.050	5043304.140	124.910	7350778.634	5044306.790	0.714	0.438	43.991	7350779.348	5044307.228	80.919
979	34350392.990	5043301.690	123.890	7350777.574	5044304.339	0.714	0.438	43.991	7350778.288	5044304.777	79.899
980	34350388.810	5043299.800	122.390	7350773.393	5044302.449	0.713	0.438	43.991	7350774.106	5044302.887	78.399
981	34350390.790	5043300.800	122.920	7350775.373	5044303.449	0.714	0.438	43.991	7350776.087	5044303.887	78.929
982	34350390.780	5043298.570	122.410	7350775.363	5044301.218	0.714	0.438	43.991	7350776.077	5044301.656	78.419
983	34350390.800	5043298.360	122.280	7350775.383	5044301.008	0.714	0.438	43.991	7350776.097	5044301.446	78.289
984	34350375.370	5043307.520	122.310	7350759.948	5044310.171	0.715	0.438	43.991	7350760.663	5044310.609	78.319
985	34350369.040	5043312.430	122.330	7350753.616	5044315.082	0.715	0.438	43.991	7350754.331	5044315.520	78.339
986	34350380.070	5043312.220	124.870	7350764.650	5044314.872	0.714	0.438	43.991	7350765.364	5044315.310	80.879
987	34350376.490	5043315.960	125.560	7350761.068	5044318.613	0.715	0.438	43.991	7350761.783	5044319.051	81.569
988	34350382.240	5043316.760	124.920	7350766.820	5044319.413	0.714	0.438	43.991	7350767.534	5044319.851	80.929
989	34350396.200	5043309.020	125.010	7350780.784	5044311.672	0.714	0.437	43.991	7350781.498	5044312.109	81.019
990	34350410.480	5043307.140	125.100	7350795.069	5044309.791	0.713	0.438	43.991	7350795.782	5044310.229	81.109
991	34350438.510	5043308.540	129.480	7350823.107	5044311.193	0.713	0.436	43.990	7350823.820	5044311.629	85.490
992	34350459.960	5043295.860	129.090	7350844.564	5044298.510	0.712	0.436	43.990	7350845.276	5044298.946	85.100
992	34350459.990	5043296.160	128.500	7350844.594	5044298.810	0.712	0.436	43.990	7350845.306	5044299.246	84.510
993	34350462.510	5043300.200	128.620	7350847.114	5044302.851	0.713	0.436	43.990	7350847.827	5044303.287	84.630
994	34350461.550	5043304.370	128.950	7350846.154	5044307.022	0.713	0.436	43.990	7350846.867	5044307.458	84.960
995	34350466.520	5043300.860	128.950	7350851.126	5044303.511	0.712	0.436	43.990	7350851.838	5044303.947	84.960
996	34350470.190	5043305.870	129.010	7350854.797	5044308.523	0.712	0.435	43.990	7350855.509	5044308.958	85.020
997	34350451.300	5043303.070	128.860	7350835.901	5044305.721	0.713	0.437	43.990	7350836.614	5044306.158	84.870
998	34350455.210	5043288.100	128.210	7350839.813	5044290.747	0.712	0.436	43.990	7350840.525	5044291.183	84.220
999	34350483.370	5043288.590	128.850	7350867.981	5044291.238	0.712	0.436	43.990	7350868.693	5044291.674	84.860
1000	34350489.870	5043297.610	129.020	7350874.483	5044300.261	0.712	0.435	43.990	7350875.195	5044300.696	85.030
1001	34350412.910	5043329.040	129.610	7350797.499	5044331.698	0.713	0.437	43.991	7350798.212	5044332.135	85.619
1002	34350402.040	5043337.360	129.630	7350786.625	5044340.020	0.714	0.437	43.991	7350787.339	5044340.457	85.639
1003	34350401.150	5043338.110	129.640	7350785.735	5044340.770	0.714	0.437	43.991	7350786.449	5044341.207	85.649
1004	34350398.400	5043332.880	129.700	7350782.984	5044335.539	0.714	0.437	43.991	7350783.698	5044335.976	85.709



1005	34350391.770	5043324.600	129.720	7350776.353	5044327.256	0.714	0.437	43.991	7350777.067	5044327.693	85.729
1006	34350397.210	5043326.400	129.510	7350781.794	5044329.057	0.714	0.437	43.991	7350782.508	5044329.494	85.519
1007	34350390.520	5043325.300	129.700	7350775.102	5044327.956	0.714	0.438	43.991	7350775.816	5044328.394	85.709
1008	34350389.690	5043322.010	129.610	7350774.272	5044324.665	0.714	0.438	43.991	7350774.986	5044325.103	85.619
1009	34350392.130	5043316.890	129.430	7350776.713	5044319.544	0.714	0.437	43.991	7350777.427	5044319.981	85.439
1010	34350387.510	5043319.810	129.520	7350772.091	5044322.464	0.715	0.438	43.991	7350772.806	5044322.902	85.529
1011	34350381.980	5043324.310	129.650	7350766.560	5044326.966	0.714	0.437	43.991	7350767.274	5044327.403	85.659
1012	34350378.250	5043319.890	129.600	7350762.829	5044322.544	0.714	0.438	43.991	7350763.543	5044322.982	85.609
1013	34350381.760	5043321.320	129.600	7350766.340	5044323.975	0.714	0.438	43.991	7350767.054	5044324.413	85.609
1014	34350377.430	5043320.460	129.680	7350762.008	5044323.114	0.715	0.438	43.991	7350762.723	5044323.552	85.689
1015	34350377.610	5043322.210	129.690	7350762.188	5044324.865	0.715	0.438	43.991	7350762.903	5044325.303	85.699
1016	34350380.050	5043329.860	129.790	7350764.629	5044332.517	0.714	0.438	43.991	7350765.343	5044332.955	85.799
1017	34350379.430	5043331.630	129.820	7350764.009	5044334.288	0.714	0.437	43.991	7350764.723	5044334.725	85.829
1018	34350379.340	5043331.590	129.270	7350763.919	5044334.248	0.714	0.437	43.991	7350764.633	5044334.685	85.279
1019	34350378.500	5043333.090	129.840	7350763.078	5044335.748	0.715	0.438	43.991	7350763.793	5044336.186	85.849
1020	34350378.390	5043333.040	128.860	7350762.968	5044335.698	0.715	0.438	43.991	7350763.683	5044336.136	84.869
1021	34350381.760	5043332.830	129.820	7350766.339	5044335.488	0.715	0.438	43.991	7350767.054	5044335.926	85.829
1022	34350371.000	5043341.620	129.830	7350755.576	5044344.280	0.714	0.438	43.991	7350756.290	5044344.718	85.839
1023	34350374.150	5043338.660	129.790	7350758.727	5044341.320	0.714	0.437	43.991	7350759.441	5044341.757	85.799
1024	34350379.040	5043344.670	129.770	7350763.618	5044347.332	0.715	0.437	43.991	7350764.333	5044347.769	85.779
1025	34350384.820	5043351.760	129.610	7350769.400	5044354.424	0.714	0.437	43.991	7350770.114	5044354.861	85.619
1026	34350369.430	5043364.580	129.640	7350754.005	5044367.247	0.714	0.438	43.991	7350754.719	5044367.685	85.649
1027	34350368.610	5043365.270	129.640	7350753.184	5044367.937	0.715	0.438	43.991	7350753.899	5044368.375	85.649
1028	34350365.710	5043359.530	129.760	7350750.284	5044362.196	0.714	0.437	43.991	7350750.998	5044362.633	85.769
1029	34350358.720	5043351.370	129.790	7350743.292	5044354.033	0.715	0.438	43.991	7350744.007	5044354.471	85.799
1030	34350360.230	5043350.410	129.830	7350744.802	5044353.073	0.715	0.438	43.991	7350745.517	5044353.511	85.839
1031	34350357.840	5043352.020	129.820	7350742.412	5044354.683	0.714	0.438	43.991	7350743.126	5044355.121	85.829
1032	34350356.810	5043350.710	129.850	7350741.381	5044353.373	0.715	0.438	43.991	7350742.096	5044353.811	85.859
1033	34350356.840	5043350.640	128.520	7350741.411	5044353.303	0.715	0.438	43.991	7350742.126	5044353.741	84.529
1034	34350349.770	5043358.960	129.840	7350734.339	5044361.625	0.715	0.438	43.991	7350735.054	5044362.063	85.849
1035	34350335.300	5043370.830	129.820	7350719.864	5044373.498	0.716	0.438	43.991	7350720.580	5044373.936	85.829
1036	34350325.050	5043378.850	129.790	7350709.611	5044381.520	0.716	0.439	43.991	7350710.327	5044381.959	85.799
1037	34350336.180	5043377.710	129.640	7350720.744	5044380.380	0.716	0.438	43.991	7350721.460	5044380.818	85.649
1038	34350337.550	5043379.110	129.610	7350722.115	5044381.781	0.715	0.438	43.991	7350722.830	5044382.219	85.619
1039	34350353.470	5043377.850	129.620	7350738.040	5044380.521	0.715	0.437	43.991	7350738.755	5044380.958	85.629
1040	34350350.670	5043370.180	129.710	7350735.239	5044372.848	0.715	0.438	43.991	7350735.954	5044373.286	85.719
1041	34350355.750	5043381.270	129.600	7350740.320	5044383.942	0.715	0.437	43.991	7350741.035	5044384.379	85.609
1042	34350354.730	5043390.010	129.600	7350739.300	5044392.684	0.715	0.438	43.991	7350740.015	5044393.122	85.609
1043	34350353.770	5043390.740	129.670	7350738.339	5044393.415	0.715	0.437	43.991	7350739.054	5044393.852	85.679
1044	34350352.980	5043389.870	129.620	7350737.549	5044392.544	0.715	0.438	43.991	7350738.264	5044392.982	85.629
1045	34350349.570	5043392.650	129.680	7350734.138	5044395.325	0.715	0.437	43.991	7350734.853	5044395.762	85.689
1046	34350350.380	5043393.590	129.620	7350734.948	5044396.265	0.715	0.438	43.991	7350735.663	5044396.703	85.629
1047	34350341.660	5043390.090	129.650	7350726.226	5044392.764	0.715	0.438	43.991	7350726.941	5044393.202	85.659
1048	34350344.070	5043387.410	129.650	7350728.637	5044390.083	0.715	0.438	43.991	7350729.352	5044390.521	85.659
1049	34350343.100	5043386.200	129.650	7350727.666	5044388.873	0.716	0.438	43.991	7350728.382	5044389.311	85.659
1050	34350337.460	5043385.060	129.730	7350722.025	5044387.732	0.715	0.438	43.991	7350722.740	5044388.170	85.739
1051	34350334.390	5043379.670	129.680	7350718.954	5044382.341	0.715	0.438	43.991	7350719.669	5044382.779	85.689
1052	34350335.240	5043380.640	129.660	7350719.804	5044383.311	0.716	0.438	43.991	7350720.520	5044383.749	85.669
1053	34350337.140	5043379.170	129.620	7350721.705	5044381.841	0.715	0.438	43.991	7350722.420	5044382.279	85.629



1054	34350336.610	5043378.570	129.650	7350721.175	5044381.240	0.715	0.438	43.991	7350721.890	5044381.678	85.659
1055	34350335.750	5043378.570	129.650	7350720.314	5044381.240	0.716	0.438	43.991	7350721.030	5044381.678	85.659
1056	34350322.070	5043397.820	129.630	7350706.630	5044400.496	0.715	0.438	43.991	7350707.345	5044400.934	85.639
1057	34350290.600	5043402.480	129.860	7350675.150	5044405.156	0.717	0.439	43.992	7350675.867	5044405.595	85.868
1058	34350287.940	5043399.210	129.860	7350672.489	5044401.885	0.717	0.439	43.992	7350673.206	5044402.324	85.868
1059	34350285.350	5043396.060	129.870	7350669.899	5044398.734	0.716	0.439	43.992	7350670.615	5044399.173	85.878
1060	34350296.450	5043392.170	129.860	7350681.002	5044394.843	0.716	0.439	43.992	7350681.718	5044395.282	85.868
1061	34350299.100	5043395.480	129.870	7350683.653	5044398.154	0.716	0.439	43.992	7350684.369	5044398.593	85.878
1062	34350295.760	5043399.560	129.900	7350680.312	5044402.235	0.716	0.439	43.992	7350681.028	5044402.674	85.908
1063	34350295.820	5043400.320	129.880	7350680.372	5044402.996	0.716	0.438	43.992	7350681.088	5044403.434	85.888
1064	34350308.890	5043390.100	129.880	7350693.446	5044392.773	0.716	0.439	43.991	7350694.162	5044393.212	85.889
1065	34350308.850	5043390.030	129.870	7350693.406	5044392.703	0.716	0.439	43.991	7350694.122	5044393.142	85.879
1066	34350307.620	5043388.490	129.870	7350692.176	5044391.162	0.716	0.439	43.991	7350692.892	5044391.601	85.879
1067	34350304.960	5043385.280	129.860	7350689.515	5044387.951	0.716	0.439	43.992	7350690.231	5044388.390	85.868
1068	34350302.280	5043382.020	129.860	7350686.834	5044384.690	0.716	0.439	43.992	7350687.550	5044385.129	85.868
1069	34350303.680	5043381.930	129.960	7350688.235	5044384.600	0.716	0.439	43.992	7350688.951	5044385.039	85.968
1070	34350304.930	5043380.880	129.950	7350689.485	5044383.550	0.716	0.439	43.992	7350690.201	5044383.989	85.958
1071	34350303.920	5043379.650	129.950	7350688.475	5044382.320	0.716	0.439	43.992	7350689.191	5044382.759	85.958
1072	34350303.440	5043378.550	129.870	7350687.995	5044381.219	0.716	0.439	43.992	7350688.711	5044381.658	85.878
1073	34350310.800	5043375.040	129.870	7350695.357	5044377.709	0.716	0.438	43.992	7350696.073	5044378.147	85.878
1074	34350313.430	5043378.220	129.850	7350697.988	5044380.890	0.716	0.438	43.991	7350698.704	5044381.328	85.859
1075	34350316.100	5043381.500	129.850	7350700.658	5044384.171	0.716	0.438	43.991	7350701.374	5044384.609	85.859
1076	34350317.460	5043381.410	129.940	7350702.019	5044384.081	0.716	0.438	43.991	7350702.735	5044384.519	85.949
1077	34350318.720	5043380.360	129.930	7350703.279	5044383.030	0.716	0.439	43.991	7350703.995	5044383.469	85.939
1078	34350317.720	5043379.150	129.960	7350702.279	5044381.820	0.716	0.439	43.991	7350702.995	5044382.259	85.969
1079	34350321.640	5043379.680	129.900	7350706.200	5044382.350	0.716	0.439	43.991	7350706.916	5044382.789	85.909
1080	34350321.590	5043379.590	129.900	7350706.150	5044382.260	0.716	0.439	43.991	7350706.866	5044382.699	85.909
1081	34350313.790	5043370.080	129.880	7350698.348	5044372.747	0.716	0.439	43.992	7350699.064	5044373.186	85.888
1082	34350314.380	5043369.670	128.360	7350698.938	5044372.337	0.716	0.439	43.992	7350699.654	5044372.776	84.368
1083	34350321.280	5043378.120	128.360	7350705.840	5044380.790	0.716	0.438	43.991	7350706.556	5044381.228	84.369
1084	34350325.210	5043374.950	127.800	7350709.771	5044377.619	0.716	0.438	43.991	7350710.487	5044378.057	83.809
1085	34350322.180	5043379.090	128.430	7350706.740	5044381.760	0.716	0.439	43.991	7350707.456	5044382.199	84.439
1086	34350325.920	5043374.500	127.600	7350710.482	5044377.169	0.715	0.438	43.991	7350711.197	5044377.607	83.609
1087	34350322.080	5043371.290	124.010	7350706.640	5044373.958	0.716	0.438	43.991	7350707.356	5044374.396	80.019
1088	34350322.640	5043370.820	123.990	7350707.201	5044373.488	0.715	0.438	43.991	7350707.916	5044373.926	79.999
1089	34350322.020	5043371.200	123.990	7350706.580	5044373.868	0.716	0.438	43.991	7350707.296	5044374.306	79.999
1090	34350322.550	5043370.720	123.980	7350707.111	5044373.388	0.715	0.438	43.991	7350707.826	5044373.826	79.989
1091	34350321.130	5043368.270	122.360	7350705.690	5044370.937	0.716	0.439	43.991	7350706.406	5044371.376	78.369
1092	34350339.890	5043356.470	123.940	7350724.456	5044359.134	0.715	0.438	43.991	7350725.171	5044359.572	79.949
1093	34350326.690	5043375.350	128.560	7350711.252	5044378.019	0.715	0.439	43.991	7350711.967	5044378.458	84.569
1094	34350313.710	5043378.000	123.940	7350698.268	5044380.670	0.716	0.438	43.991	7350698.984	5044381.108	79.949
1095	34350311.300	5043376.120	122.320	7350695.857	5044378.789	0.716	0.439	43.992	7350696.573	5044379.228	78.328
1096	34350290.400	5043397.100	123.850	7350674.950	5044399.775	0.717	0.439	43.992	7350675.667	5044400.214	79.858
1097	34350288.830	5043395.990	122.390	7350673.380	5044398.664	0.716	0.439	43.992	7350674.096	5044399.103	78.398
1098	34350358.850	5043392.640	129.580	7350743.421	5044395.315	0.715	0.437	43.991	7350744.136	5044395.752	85.589
1099	34350361.130	5043397.780	129.720	7350745.701	5044400.457	0.715	0.437	43.991	7350746.416	5044400.894	85.729
1100	34350361.620	5043397.610	129.580	7350746.191	5044400.287	0.715	0.437	43.991	7350746.906	5044400.724	85.589
1101	34350380.870	5043381.450	129.550	7350765.448	5044384.123	0.714	0.436	43.991	7350766.162	5044384.559	85.559
1102	34350382.570	5043383.650	129.590	7350767.148	5044386.323	0.714	0.437	43.991	7350767.862	5044386.760	85.599



1103	34350385.210	5043383.910	129.660	7350769.789	5044386.583	0.714	0.437	43.991	7350770.503	5044387.020	85.669
1104	34350383.250	5043377.050	129.660	7350767.828	5044379.721	0.715	0.437	43.991	7350768.543	5044380.158	85.669
1105	34350381.160	5043378.750	129.600	7350765.738	5044381.422	0.714	0.437	43.991	7350766.452	5044381.859	85.609
1106	34350385.990	5043377.340	129.810	7350770.569	5044380.012	0.715	0.436	43.991	7350771.284	5044380.448	85.819
1107	34350387.700	5043379.460	129.700	7350772.280	5044382.132	0.714	0.437	43.991	7350772.994	5044382.569	85.709
1108	34350380.060	5043378.220	129.530	7350764.637	5044380.892	0.715	0.436	43.991	7350765.352	5044381.328	85.539
1109	34350378.470	5043377.080	129.490	7350763.047	5044379.751	0.715	0.437	43.991	7350763.762	5044380.188	85.499
1110	34350378.920	5043371.750	129.520	7350763.497	5044374.420	0.715	0.437	43.991	7350764.212	5044374.857	85.529
1111	34350381.800	5043372.770	129.490	7350766.378	5044375.440	0.715	0.437	43.991	7350767.093	5044375.877	85.499
1112	34350382.020	5043364.130	129.500	7350766.599	5044366.797	0.714	0.438	43.991	7350767.313	5044367.235	85.509
1113	34350390.750	5043356.100	129.460	7350775.331	5044358.765	0.714	0.437	43.991	7350776.045	5044359.202	85.469
1114	34350392.760	5043356.510	129.460	7350777.342	5044359.176	0.714	0.436	43.991	7350778.056	5044359.612	85.469
1115	34350394.100	5043356.030	129.460	7350778.682	5044358.695	0.714	0.437	43.991	7350779.396	5044359.132	85.469
1116	34350395.400	5043357.690	129.520	7350779.983	5044360.356	0.714	0.437	43.991	7350780.697	5044360.793	85.529
1117	34350397.260	5043356.210	129.520	7350781.843	5044358.876	0.714	0.436	43.991	7350782.557	5044359.312	85.529
1118	34350398.630	5043355.290	129.510	7350783.214	5044357.955	0.714	0.437	43.991	7350783.928	5044358.392	85.519
1119	34350398.160	5043355.640	129.520	7350782.744	5044358.305	0.714	0.437	43.991	7350783.458	5044358.742	85.529
1120	34350397.190	5043353.590	130.450	7350781.773	5044356.255	0.714	0.437	43.991	7350782.487	5044356.692	86.459
1121	34350397.960	5043352.390	130.470	7350782.544	5044355.054	0.714	0.437	43.991	7350783.258	5044355.491	86.479
1122	34350397.870	5043350.620	130.430	7350782.454	5044353.284	0.714	0.437	43.991	7350783.168	5044353.721	86.439
1123	34350396.140	5043355.430	130.500	7350780.723	5044358.095	0.714	0.437	43.991	7350781.437	5044358.532	86.509
1124	34350401.320	5043348.520	130.390	7350785.905	5044351.183	0.714	0.437	43.991	7350786.619	5044351.620	86.399
1125	34350407.030	5043347.030	130.390	7350791.616	5044349.693	0.714	0.437	43.991	7350792.330	5044350.130	86.399
1126	34350411.920	5043347.670	130.320	7350796.508	5044350.333	0.714	0.437	43.990	7350797.222	5044350.770	86.330
1127	34350413.740	5043347.630	130.350	7350798.328	5044350.294	0.714	0.436	43.990	7350799.042	5044350.730	86.360
1128	34350414.230	5043351.140	130.480	7350798.818	5044353.805	0.714	0.436	43.990	7350799.532	5044354.241	86.490
1129	34350419.140	5043350.730	130.290	7350803.730	5044353.395	0.713	0.436	43.990	7350804.443	5044353.831	86.300
1130	34350421.980	5043353.480	130.300	7350806.571	5044356.146	0.713	0.436	43.990	7350807.284	5044356.582	86.310
1131	34350422.200	5043355.710	130.420	7350806.791	5044358.376	0.713	0.436	43.990	7350807.504	5044358.812	86.430
1132	34350420.630	5043353.430	130.420	7350805.220	5044356.095	0.714	0.437	43.990	7350805.934	5044356.532	86.430
1133	34350412.900	5043359.000	130.620	7350797.488	5044361.667	0.714	0.436	43.990	7350798.202	5044362.103	86.630
1134	34350417.450	5043365.320	130.650	7350802.039	5044367.989	0.714	0.436	43.990	7350802.753	5044368.425	86.660
1135	34350416.590	5043359.720	130.740	7350801.179	5044362.387	0.714	0.436	43.990	7350801.893	5044362.823	86.750
1136	34350419.040	5043363.210	130.760	7350803.630	5044365.878	0.713	0.436	43.990	7350804.343	5044366.314	86.770
1137	34350404.470	5043358.690	130.540	7350789.055	5044361.357	0.714	0.436	43.991	7350789.769	5044361.793	86.549
1138	34350404.400	5043360.670	129.700	7350788.985	5044363.337	0.714	0.437	43.991	7350789.699	5044363.774	85.709
1139	34350403.260	5043361.650	129.660	7350787.845	5044364.317	0.714	0.437	43.991	7350788.559	5044364.754	85.669
1140	34350402.510	5043362.250	129.680	7350787.095	5044364.918	0.714	0.436	43.991	7350787.809	5044365.354	85.689
1141	34350401.580	5043362.730	129.750	7350786.164	5044365.398	0.714	0.436	43.991	7350786.878	5044365.834	85.759
1142	34350406.210	5043363.050	129.850	7350790.796	5044365.718	0.714	0.436	43.990	7350791.510	5044366.154	85.860
1143	34350410.120	5043364.820	129.840	7350794.707	5044367.489	0.714	0.436	43.990	7350795.421	5044367.925	85.850
1144	34350412.010	5043367.310	129.840	7350796.597	5044369.979	0.714	0.436	43.990	7350797.311	5044370.415	85.850
1145	34350400.530	5043361.250	129.620	7350785.114	5044363.917	0.714	0.437	43.991	7350785.828	5044364.354	85.629
1146	34350398.870	5043362.660	129.630	7350783.454	5044365.328	0.714	0.436	43.991	7350784.168	5044365.764	85.639
1147	34350397.500	5043361.070	129.590	7350782.083	5044363.737	0.714	0.437	43.991	7350782.797	5044364.174	85.599
1148	34350399.090	5043359.660	129.590	7350783.674	5044362.327	0.714	0.436	43.991	7350784.388	5044362.763	85.599
1149	34350399.020	5043361.100	129.820	7350783.604	5044363.767	0.714	0.437	43.991	7350784.318	5044364.204	85.829
1150	34350394.870	5043360.210	129.650	7350779.452	5044362.877	0.715	0.436	43.991	7350780.167	5044363.313	85.659
1151	34350394.130	5043360.870	129.500	7350778.712	5044363.537	0.714	0.437	43.991	7350779.426	5044363.974	85.509



1152	34350397.430	5043358.220	129.580	7350782.013	5044360.886	0.714	0.437	43.991	7350782.727	5044361.323	85.589
1153	34350391.080	5043369.490	129.730	7350775.661	5044372.159	0.714	0.437	43.991	7350776.375	5044372.596	85.739
1154	34350385.870	5043375.980	129.790	7350770.449	5044378.651	0.715	0.437	43.991	7350771.164	5044379.088	85.799
1155	34350388.640	5043378.130	129.930	7350773.220	5044380.802	0.714	0.436	43.991	7350773.934	5044381.238	85.939
1155	34350387.940	5043378.520	129.910	7350772.520	5044381.192	0.714	0.437	43.991	7350773.234	5044381.629	85.919
1156	34350398.410	5043365.330	129.770	7350782.993	5044367.998	0.714	0.437	43.991	7350783.707	5044368.435	85.779
1157	34350403.510	5043365.100	129.790	7350788.095	5044367.768	0.714	0.437	43.991	7350788.809	5044368.205	85.799
1158	34350418.000	5043369.450	129.480	7350802.589	5044372.120	0.714	0.436	43.990	7350803.303	5044372.556	85.490
1159	34350407.870	5043353.660	129.380	7350792.457	5044356.325	0.713	0.437	43.991	7350793.170	5044356.762	85.389
1160	34350386.710	5043388.790	129.640	7350771.289	5044391.465	0.715	0.436	43.991	7350772.004	5044391.901	85.649
1161	34350391.840	5043384.590	129.620	7350776.421	5044387.264	0.714	0.436	43.991	7350777.135	5044387.700	85.629
1162	34350392.100	5043383.630	129.890	7350776.681	5044386.304	0.714	0.436	43.991	7350777.395	5044386.740	85.899
1163	34350387.450	5043382.170	129.900	7350772.030	5044384.843	0.714	0.437	43.991	7350772.744	5044385.280	85.909
1164	34350424.370	5043365.070	129.440	7350808.961	5044367.739	0.714	0.436	43.990	7350809.675	5044368.175	85.450
1165	34350410.850	5043368.670	129.870	7350795.437	5044371.340	0.714	0.436	43.990	7350796.151	5044371.776	85.880
1166	34350408.180	5043370.890	129.890	7350792.766	5044373.560	0.714	0.436	43.990	7350793.480	5044373.996	85.900
1167	34350413.850	5043370.610	129.490	7350798.438	5044373.280	0.713	0.436	43.990	7350799.151	5044373.716	85.500
1168	34350410.180	5043373.300	129.460	7350794.767	5044375.971	0.713	0.436	43.990	7350795.480	5044376.407	85.470
1169	34350407.140	5043375.950	129.520	7350791.726	5044378.622	0.713	0.436	43.990	7350792.439	5044379.058	85.530
1170	34350404.220	5043378.560	129.630	7350788.805	5044381.232	0.714	0.437	43.990	7350789.519	5044381.669	85.640
1171	34350403.510	5043383.600	129.330	7350788.094	5044386.274	0.714	0.436	43.990	7350788.808	5044386.710	85.340
1172	34350401.970	5043384.640	129.410	7350786.554	5044387.314	0.714	0.436	43.990	7350787.268	5044387.750	85.420
1173	34350400.930	5043383.110	129.450	7350785.514	5044385.784	0.714	0.436	43.990	7350786.228	5044386.220	85.460
1174	34350402.480	5043382.060	129.530	7350787.064	5044384.733	0.714	0.437	43.990	7350787.778	5044385.170	85.540
1175	34350402.310	5043383.260	129.640	7350786.894	5044385.934	0.714	0.436	43.990	7350787.608	5044386.370	85.650
1176	34350406.720	5043376.230	129.550	7350791.305	5044378.902	0.714	0.436	43.990	7350792.019	5044379.338	85.560
1177	34350400.490	5043383.340	129.690	7350785.073	5044386.014	0.714	0.436	43.990	7350785.787	5044386.450	85.700
1178	34350399.340	5043381.750	129.710	7350783.923	5044384.423	0.714	0.437	43.990	7350784.637	5044384.860	85.720
1179	34350396.510	5043384.810	129.670	7350781.092	5044387.484	0.714	0.436	43.991	7350781.806	5044387.920	85.679
1180	34350394.020	5043386.090	129.730	7350778.601	5044388.764	0.715	0.437	43.991	7350779.316	5044389.201	85.739
1181	34350395.810	5043389.370	129.710	7350780.392	5044392.045	0.714	0.437	43.990	7350781.106	5044392.482	85.720
1182	34350390.580	5043393.610	129.710	7350775.160	5044396.286	0.714	0.437	43.991	7350775.874	5044396.723	85.719
1183	34350401.670	5043392.230	129.730	7350786.254	5044394.906	0.714	0.436	43.990	7350786.968	5044395.342	85.740
1184	34350404.400	5043390.360	132.580	7350788.984	5044393.036	0.714	0.436	43.990	7350789.698	5044393.472	88.590
1185	34350407.850	5043388.080	132.580	7350792.435	5044390.755	0.714	0.436	43.990	7350793.149	5044391.191	88.590
1186	34350410.370	5043386.340	129.890	7350794.956	5044389.015	0.714	0.436	43.990	7350795.670	5044389.451	85.900
1187	34350413.120	5043386.860	129.700	7350797.707	5044389.535	0.714	0.436	43.990	7350798.421	5044389.971	85.710
1188	34350414.600	5043386.470	129.690	7350799.188	5044389.145	0.713	0.436	43.990	7350799.901	5044389.581	85.700
1189	34350422.560	5043383.280	129.470	7350807.150	5044385.954	0.714	0.436	43.990	7350807.864	5044386.390	85.480
1190	34350422.290	5043380.130	129.560	7350806.880	5044382.803	0.714	0.436	43.990	7350807.594	5044383.239	85.570
1191	34350425.120	5043383.960	129.490	7350809.711	5044386.635	0.713	0.435	43.990	7350810.424	5044387.070	85.500
1192	34350422.980	5043382.400	129.510	7350807.570	5044385.074	0.714	0.436	43.990	7350808.284	5044385.510	85.520
1193	34350421.980	5043380.990	129.520	7350806.570	5044383.664	0.713	0.435	43.990	7350807.283	5044384.099	85.530
1194	34350425.580	5043377.760	129.570	7350810.171	5044380.433	0.714	0.435	43.990	7350810.885	5044380.868	85.580
1195	34350434.880	5043371.020	129.470	7350819.474	5044373.691	0.713	0.436	43.990	7350820.187	5044374.127	85.480
1196	34350432.580	5043369.910	129.480	7350817.173	5044372.581	0.714	0.435	43.990	7350817.887	5044373.016	85.490
1197	34350428.990	5043369.680	129.510	7350813.582	5044372.351	0.714	0.435	43.990	7350814.296	5044372.786	85.520
1198	34350431.660	5043373.970	129.580	7350816.253	5044376.642	0.713	0.435	43.990	7350816.966	5044377.077	85.590
1199	34350428.080	5043376.550	129.570	7350812.672	5044379.223	0.713	0.435	43.990	7350813.385	5044379.658	85.580



1200	34350423.460	5043371.190	129.520	7350808.051	5044373.861	0.713	0.436	43.990	7350808.764	5044374.297	85.530
1201	34350425.710	5043369.670	129.510	7350810.301	5044372.340	0.714	0.436	43.990	7350811.015	5044372.776	85.520
1202	34350407.070	5043385.310	129.620	7350791.655	5044387.985	0.714	0.436	43.990	7350792.369	5044388.421	85.630
1203	34350406.170	5043386.980	129.660	7350790.755	5044389.655	0.714	0.436	43.990	7350791.469	5044390.091	85.670
1204	34350406.980	5043388.620	129.760	7350791.565	5044391.296	0.714	0.435	43.990	7350792.279	5044391.731	85.770
1205	34350425.680	5043378.410	133.680	7350810.271	5044381.083	0.714	0.436	43.990	7350810.985	5044381.519	89.690
1206	34350425.970	5043378.240	133.450	7350810.561	5044380.913	0.714	0.436	43.990	7350811.275	5044381.349	89.460
1207	34350417.790	5043409.150	129.480	7350802.378	5044411.832	0.714	0.435	43.990	7350803.092	5044412.267	85.490
1208	34350418.520	5043410.080	129.520	7350803.108	5044412.762	0.714	0.436	43.990	7350803.822	5044413.198	85.530
1209	34350416.870	5043409.090	129.470	7350801.458	5044411.772	0.713	0.435	43.990	7350802.171	5044412.207	85.480
1210	34350426.940	5043386.420	129.400	7350811.531	5044389.095	0.714	0.436	43.990	7350812.245	5044389.531	85.410
1211	34350408.680	5043369.880	129.880	7350793.266	5044372.550	0.714	0.436	43.990	7350793.980	5044372.986	85.890
1212	34350409.030	5043370.190	129.890	7350793.616	5044372.860	0.714	0.436	43.990	7350794.330	5044373.296	85.900
1213	34350293.820	5043389.080	129.880	7350678.372	5044391.752	0.716	0.439	43.992	7350679.088	5044392.191	85.888
1214	34350289.580	5043391.080	129.880	7350674.130	5044393.753	0.717	0.439	43.992	7350674.847	5044394.192	85.888
1215	34350303.710	5043401.930	129.720	7350688.264	5044404.606	0.716	0.439	43.991	7350688.980	5044405.045	85.729
1216	34350330.490	5043409.960	129.630	7350715.052	5044412.640	0.715	0.437	43.991	7350715.767	5044413.077	85.639
1217	34350358.840	5043385.510	129.520	7350743.411	5044388.183	0.715	0.437	43.991	7350744.126	5044388.620	85.529
1218	34350361.900	5043398.730	129.900	7350746.471	5044401.407	0.715	0.437	43.991	7350747.186	5044401.844	85.909
1219	34350363.320	5043398.730	129.920	7350747.892	5044401.407	0.715	0.437	43.991	7350748.607	5044401.844	85.929
1220	34350364.610	5043397.120	129.580	7350749.182	5044399.797	0.715	0.437	43.991	7350749.897	5044400.234	85.589
1221	34350365.450	5043398.890	129.930	7350750.023	5044401.567	0.714	0.437	43.991	7350750.737	5044402.004	85.939
1222	34350367.460	5043400.280	129.930	7350752.033	5044402.958	0.715	0.437	43.991	7350752.748	5044403.395	85.939
1223	34350367.660	5043398.210	129.590	7350752.233	5044400.887	0.715	0.437	43.991	7350752.948	5044401.324	85.599
1224	34350369.570	5043400.550	129.560	7350754.144	5044403.228	0.714	0.437	43.991	7350754.858	5044403.665	85.569
1225	34350368.400	5043401.910	129.920	7350752.973	5044404.588	0.715	0.437	43.991	7350753.688	5044405.025	85.929
1226	34350372.080	5043402.020	129.590	7350756.654	5044404.698	0.715	0.437	43.991	7350757.369	5044405.135	85.599
1227	34350370.190	5043403.910	129.590	7350754.764	5044406.589	0.715	0.437	43.991	7350755.479	5044407.026	85.599
1228	34350370.380	5043405.620	129.930	7350754.954	5044408.299	0.715	0.437	43.991	7350755.669	5044408.736	85.939
1229	34350373.330	5043405.040	129.620	7350757.905	5044407.719	0.714	0.437	43.991	7350758.619	5044408.156	85.629
1230	34350372.640	5043406.700	129.920	7350757.214	5044409.380	0.715	0.436	43.991	7350757.929	5044409.816	85.929
1231	34350375.220	5043407.430	129.640	7350759.795	5044410.110	0.715	0.437	43.991	7350760.510	5044410.547	85.649
1232	34350374.000	5043408.660	129.900	7350758.575	5044411.340	0.714	0.437	43.991	7350759.289	5044411.777	85.909
1233	34350375.790	5043410.660	129.650	7350760.365	5044413.341	0.715	0.437	43.991	7350761.080	5044413.778	85.659
1234	34350376.180	5043412.440	129.910	7350760.755	5044415.122	0.715	0.436	43.991	7350761.470	5044415.558	85.919
1235	34350378.570	5043413.710	129.910	7350763.146	5044416.392	0.715	0.436	43.991	7350763.861	5044416.828	85.919
1236	34350378.950	5043411.850	129.670	7350763.526	5044414.532	0.715	0.436	43.991	7350764.241	5044414.968	85.679
1237	34350380.780	5043414.170	129.690	7350765.357	5044416.852	0.714	0.437	43.991	7350766.071	5044417.289	85.699
1238	34350379.470	5043415.140	129.910	7350764.046	5044417.823	0.715	0.436	43.991	7350764.761	5044418.259	85.919
1239	34350381.620	5043417.710	129.760	7350766.197	5044420.393	0.714	0.437	43.991	7350766.911	5044420.830	85.769
1240	34350383.200	5043416.030	129.720	7350767.777	5044418.713	0.715	0.436	43.991	7350768.492	5044419.149	85.729
1241	34350382.680	5043419.850	129.900	7350767.257	5044422.534	0.715	0.436	43.991	7350767.972	5044422.970	85.909
1242	34350384.440	5043420.950	129.900	7350769.018	5044423.634	0.714	0.436	43.990	7350769.732	5044424.070	85.910
1243	34350384.920	5043419.140	129.670	7350769.498	5044421.824	0.714	0.436	43.990	7350770.212	5044422.260	85.680
1244	34350385.240	5043422.010	129.900	7350769.818	5044424.695	0.714	0.436	43.990	7350770.532	5044425.131	85.910
1245	34350386.760	5043421.550	129.640	7350771.338	5044424.235	0.715	0.436	43.990	7350772.053	5044424.671	85.650
1246	34350428.280	5043481.340	126.860	7350812.869	5044484.044	0.714	0.434	43.990	7350813.583	5044484.478	82.870
1247	34350435.560	5043486.190	126.650	7350820.151	5044488.895	0.713	0.434	43.990	7350820.864	5044489.329	82.660
1248	34350438.530	5043502.580	126.520	7350823.121	5044505.290	0.714	0.434	43.990	7350823.835	5044505.724	82.530



1249	34350440.920	5043523.900	126.620	7350825.511	5044526.617	0.714	0.433	43.989	7350826.225	5044527.050	82.631
1250	34350425.380	5043497.650	126.780	7350809.967	5044500.359	0.714	0.433	43.990	7350810.681	5044500.792	82.790
1251	34350424.000	5043488.210	127.050	7350808.587	5044490.916	0.714	0.433	43.990	7350809.301	5044491.349	83.060
1252	34350402.280	5043478.830	127.930	7350786.861	5044481.532	0.714	0.435	43.990	7350787.575	5044481.967	83.940
1253	34350398.970	5043473.350	128.490	7350783.550	5044476.050	0.715	0.435	43.990	7350784.265	5044476.485	84.500
1254	34350393.050	5043477.020	129.120	7350777.628	5044479.721	0.715	0.435	43.990	7350778.343	5044480.156	85.130
1255	34350393.620	5043477.840	128.670	7350778.199	5044480.542	0.714	0.434	43.990	7350778.913	5044480.976	84.680
1256	34350445.700	5043497.170	124.040	7350830.293	5044499.879	0.714	0.433	43.989	7350831.007	5044500.312	80.051
1257	34350459.120	5043504.870	123.540	7350843.717	5044507.582	0.713	0.432	43.989	7350844.430	5044508.014	79.551
1258	34350472.760	5043511.740	123.680	7350857.361	5044514.454	0.713	0.432	43.989	7350858.074	5044514.886	79.691
1259	34350415.210	5043516.430	125.900	7350799.794	5044519.144	0.714	0.433	43.990	7350800.508	5044519.577	81.910
1260	34350424.540	5043514.350	126.290	7350809.127	5044517.063	0.714	0.434	43.990	7350809.841	5044517.497	82.300
1261	34350431.110	5043535.980	127.070	7350815.698	5044538.700	0.714	0.433	43.989	7350816.412	5044539.133	83.081
1262	34350446.730	5043508.960	123.630	7350831.323	5044511.673	0.714	0.432	43.989	7350832.037	5044512.105	79.641
1263	34350452.340	5043489.990	124.470	7350836.936	5044492.697	0.713	0.433	43.989	7350837.649	5044493.130	80.481
1264	34350460.460	5043498.330	123.750	7350845.058	5044501.040	0.713	0.433	43.989	7350845.771	5044501.473	79.761
1265	34350496.560	5043503.140	123.740	7350881.168	5044505.852	0.713	0.432	43.989	7350881.881	5044506.284	79.751
1266	34350520.710	5043523.600	124.840	7350905.325	5044526.319	0.712	0.431	43.988	7350906.037	5044526.750	80.852
1267	34350493.020	5043528.250	123.360	7350877.627	5044530.970	0.712	0.431	43.989	7350878.339	5044531.401	79.371
1268	34350471.760	5043533.170	123.340	7350856.360	5044535.891	0.713	0.431	43.989	7350857.073	5044536.322	79.351
1269	34350443.070	5043535.300	123.310	7350827.662	5044538.020	0.713	0.433	43.989	7350828.375	5044538.453	79.321
1270	34350436.890	5043539.470	123.710	7350821.480	5044542.191	0.713	0.433	43.989	7350822.193	5044542.624	79.721
1271	34350449.070	5043554.720	123.220	7350833.663	5044557.446	0.713	0.432	43.989	7350834.376	5044557.878	79.231
1272	34350466.410	5043560.900	123.420	7350851.008	5044563.629	0.713	0.431	43.989	7350851.721	5044564.060	79.431
1273	34350457.450	5043585.600	123.300	7350842.044	5044588.336	0.714	0.431	43.989	7350842.758	5044588.767	79.311
1274	34350450.790	5043602.390	123.190	7350835.382	5044605.131	0.714	0.431	43.989	7350836.096	5044605.562	79.201
1275	34350427.470	5043603.710	123.140	7350812.055	5044606.450	0.714	0.432	43.989	7350812.769	5044606.882	79.151
1276	34350434.090	5043585.670	123.420	7350818.677	5044588.405	0.714	0.432	43.989	7350819.391	5044588.837	79.431
1277	34350496.340	5043645.880	123.200	7350880.944	5044648.635	0.713	0.430	43.988	7350881.657	5044649.065	79.212
1278	34350430.700	5043690.840	124.180	7350815.283	5044693.606	0.716	0.432	43.989	7350815.999	5044694.038	80.191
5001	34350126.200	5043885.200	128.040	7350510.687	5044888.015	0.726	0.440	43.991	7350511.413	5044888.455	84.049
5002	34350122.180	5043889.010	126.430	7350506.665	5044891.826	0.727	0.440	43.991	7350507.392	5044892.266	82.439
5003	34350133.580	5043866.240	125.600	7350518.069	5044869.049	0.726	0.440	43.991	7350518.795	5044869.489	81.609
5004	34350101.880	5043838.840	128.140	7350486.361	5044841.640	0.726	0.441	43.992	7350487.087	5044842.081	84.148
5005	34350096.100	5043843.510	126.060	7350480.579	5044846.311	0.726	0.442	43.992	7350481.305	5044846.753	82.068
5006	34350118.680	5043838.630	125.790	7350503.166	5044841.431	0.726	0.440	43.992	7350503.892	5044841.871	81.798
5007	34350074.600	5043794.420	127.720	7350459.074	5044797.206	0.726	0.442	43.992	7350459.800	5044797.648	83.728
5008	34350069.860	5043801.190	126.190	7350454.332	5044803.978	0.727	0.442	43.992	7350455.059	5044804.420	82.198
5009	34350075.220	5043787.620	128.160	7350459.694	5044790.404	0.726	0.442	43.992	7350460.420	5044790.846	84.168
5010	34350076.860	5043786.020	128.130	7350461.335	5044788.804	0.726	0.441	43.992	7350462.061	5044789.245	84.138
5011	34350078.810	5043783.410	128.210	7350463.286	5044786.193	0.725	0.442	43.992	7350464.011	5044786.635	84.218
5012	34350081.620	5043780.210	126.660	7350466.097	5044782.992	0.725	0.442	43.992	7350466.822	5044783.434	82.668
5013	34350060.270	5043755.770	128.160	7350444.741	5044758.544	0.725	0.442	43.993	7350445.466	5044758.986	84.167
5014	34350058.170	5043756.910	128.120	7350442.640	5044759.685	0.726	0.442	43.993	7350443.366	5044760.127	84.127
5016	34350048.030	5043753.920	127.990	7350432.497	5044756.693	0.726	0.443	43.993	7350433.223	5044757.136	83.997
5017	34350043.860	5043756.960	126.500	7350428.326	5044759.734	0.726	0.443	43.993	7350429.052	5044760.177	82.507
5018	34350056.180	5043746.910	128.090	7350440.650	5044749.681	0.725	0.443	43.993	7350441.375	5044750.124	84.097
5019	34350058.620	5043744.750	126.830	7350443.091	5044747.521	0.725	0.442	43.993	7350443.816	5044747.963	82.837
5020	34350086.730	5043746.780	124.890	7350471.209	5044749.552	0.725	0.442	43.992	7350471.934	5044749.994	80.898



5021	34350086.460	5043729.870	124.550	7350470.939	5044732.637	0.725	0.442	43.992	7350471.664	5044733.079	80.558
5022	34350078.570	5043721.360	124.540	7350463.047	5044724.125	0.725	0.441	43.993	7350463.772	5044724.566	80.547
5023	34350048.620	5043739.790	128.000	7350433.088	5044742.559	0.725	0.442	43.993	7350433.813	5044743.001	84.007
5024	34350046.380	5043740.800	128.100	7350430.847	5044743.569	0.726	0.443	43.993	7350431.573	5044744.012	84.107
5025	34350036.240	5043719.230	128.100	7350420.705	5044721.993	0.725	0.442	43.993	7350421.430	5044722.435	84.107
5026	34350034.610	5043721.040	128.180	7350419.074	5044723.803	0.725	0.443	43.993	7350419.799	5044724.246	84.187
5027	34350038.950	5043719.440	127.950	7350423.416	5044722.203	0.725	0.442	43.993	7350424.141	5044722.645	83.957
5028	34350043.430	5043715.720	126.030	7350427.897	5044718.482	0.725	0.442	43.993	7350428.622	5044718.924	82.037
5029	34350027.480	5043722.230	127.730	7350411.942	5044724.993	0.725	0.443	43.993	7350412.667	5044725.436	83.737
5030	34350023.780	5043723.940	126.670	7350408.241	5044726.704	0.725	0.443	43.993	7350408.966	5044727.147	82.677
5031	34350025.790	5043701.980	127.250	7350410.252	5044704.737	0.725	0.443	43.993	7350410.977	5044705.180	83.257
5031	34350025.260	5043701.720	128.060	7350409.722	5044704.477	0.725	0.443	43.993	7350410.447	5044704.920	84.067
5032	34350032.710	5043694.580	127.960	7350417.175	5044697.335	0.724	0.443	43.993	7350417.899	5044697.778	83.967
5033	34350034.850	5043713.150	127.810	7350419.315	5044715.911	0.725	0.442	43.993	7350420.040	5044716.353	83.817
5034	34350033.390	5043698.950	127.500	7350417.855	5044701.707	0.724	0.442	43.993	7350418.579	5044702.149	83.507
5035	34350041.160	5043699.130	123.680	7350425.627	5044701.887	0.724	0.442	43.993	7350426.351	5044702.329	79.687
5036	34350043.020	5043690.010	123.450	7350427.488	5044692.764	0.724	0.443	43.993	7350428.212	5044693.207	79.457
5037	34350050.070	5043675.690	123.650	7350434.540	5044678.440	0.724	0.442	43.993	7350435.264	5044678.882	79.657
5038	34350057.960	5043681.000	123.460	7350442.432	5044683.752	0.724	0.442	43.993	7350443.156	5044684.194	79.467
5039	34350058.760	5043692.620	123.280	7350443.232	5044695.375	0.724	0.442	43.993	7350443.956	5044695.817	79.287
5040	34350018.600	5043708.430	127.830	7350403.060	5044711.189	0.725	0.443	43.993	7350403.785	5044711.632	83.837
5041	34350014.800	5043710.710	126.450	7350399.259	5044713.469	0.725	0.444	43.993	7350399.984	5044713.913	82.457
5042	34350018.790	5043696.180	127.330	7350403.250	5044698.935	0.725	0.443	43.993	7350403.975	5044699.378	83.337
5043	34350022.830	5043693.720	127.400	7350407.292	5044696.475	0.724	0.443	43.993	7350408.016	5044696.918	83.407
5044	34350029.570	5043689.750	127.340	7350414.034	5044692.504	0.724	0.442	43.993	7350414.758	5044692.946	83.347
5045	34350030.520	5043689.210	127.930	7350414.984	5044691.964	0.725	0.442	43.993	7350415.709	5044692.406	83.937
5046	34350018.260	5043701.880	127.840	7350402.720	5044704.637	0.725	0.443	43.993	7350403.445	5044705.080	83.847
5047	34350012.570	5043693.310	127.290	7350397.029	5044696.064	0.725	0.443	43.993	7350397.754	5044696.507	83.297
5048	34350014.200	5043704.780	126.230	7350398.659	5044707.538	0.725	0.443	43.993	7350399.384	5044707.981	82.237
5049	34349998.150	5043651.990	128.150	7350382.606	5044654.731	0.724	0.444	43.994	7350383.330	5044655.175	84.156
5050	34349996.060	5043651.020	128.150	7350380.515	5044653.761	0.724	0.444	43.994	7350381.239	5044654.205	84.156
5051	34350011.520	5043682.130	127.690	7350395.979	5044684.881	0.724	0.443	43.994	7350396.703	5044685.324	83.696
5052	34350009.830	5043683.310	127.530	7350394.288	5044686.061	0.725	0.443	43.994	7350395.013	5044686.504	83.536
5053	34350000.310	5043675.340	126.850	7350384.765	5044678.089	0.725	0.443	43.994	7350385.490	5044678.532	82.856
5054	34349998.490	5043677.260	126.700	7350382.945	5044680.009	0.725	0.443	43.994	7350383.670	5044680.452	82.706
5055	34349981.810	5043675.730	127.090	7350366.260	5044678.478	0.725	0.444	43.994	7350366.985	5044678.922	83.096
5056	34349974.800	5043677.110	125.260	7350359.248	5044679.858	0.725	0.444	43.994	7350359.973	5044680.302	81.266
5057	34349963.830	5043679.560	122.350	7350348.275	5044682.309	0.725	0.444	43.994	7350349.000	5044682.753	78.356
5058	34349991.150	5043665.620	126.580	7350375.603	5044668.365	0.725	0.444	43.994	7350376.328	5044668.809	82.586
5059	34349989.630	5043667.060	126.580	7350374.083	5044669.806	0.724	0.443	43.994	7350374.807	5044670.249	82.586
5060	34349986.340	5043662.070	126.760	7350370.792	5044664.814	0.725	0.444	43.994	7350371.517	5044665.258	82.766
5061	34349989.670	5043655.020	127.960	7350374.123	5044657.762	0.725	0.444	43.994	7350374.848	5044658.206	83.966
1377	34349994.000	5043644.180	128.110	7350378.455	5044646.919	0.724	0.444	43.994	7350379.179	5044647.363	84.116
1378	34350003.150	5043648.950	128.160	7350387.607	5044651.691	0.724	0.443	43.994	7350388.331	5044652.134	84.166
1379	34349997.680	5043647.050	127.980	7350382.136	5044649.790	0.724	0.443	43.994	7350382.860	5044650.233	83.986
1380	34350000.630	5043643.430	127.750	7350385.087	5044646.169	0.724	0.443	43.994	7350385.811	5044646.612	83.756
1381	34350000.100	5043639.710	126.780	7350384.557	5044642.448	0.724	0.443	43.994	7350385.281	5044642.891	82.786
1382	34350015.130	5043638.540	127.600	7350399.591	5044641.278	0.724	0.443	43.994	7350400.315	5044641.721	83.606
1383	34350020.780	5043636.320	127.050	7350405.243	5044639.058	0.723	0.442	43.994	7350405.966	5044639.500	83.056



1384	34350024.730	5043634.670	127.070	7350409.194	5044637.407	0.723	0.443	43.994	7350409.917	5044637.850	83.076
1385	34350032.780	5043631.250	126.770	7350417.246	5044633.986	0.724	0.443	43.993	7350417.970	5044634.429	82.777
1386	34350012.670	5043634.870	126.530	7350397.130	5044637.607	0.724	0.443	43.994	7350397.854	5044638.050	82.536
1387	34349996.320	5043626.850	124.710	7350380.776	5044629.584	0.724	0.443	43.994	7350381.500	5044630.027	80.716
1388	34350020.400	5043617.000	125.120	7350404.863	5044619.732	0.723	0.443	43.994	7350405.586	5044620.175	81.126
1389	34350005.430	5043647.710	128.650	7350389.888	5044650.450	0.724	0.444	43.994	7350390.612	5044650.894	84.656
1390	34350002.280	5043642.920	128.710	7350386.737	5044645.659	0.724	0.443	43.994	7350387.461	5044646.102	84.716
1391	34350006.320	5043649.170	128.650	7350390.778	5044651.911	0.724	0.443	43.994	7350391.502	5044652.354	84.656
1392	34350007.310	5043648.590	128.690	7350391.768	5044651.331	0.724	0.443	43.994	7350392.492	5044651.774	84.696
1393	34350008.280	5043650.110	128.700	7350392.739	5044652.851	0.724	0.443	43.994	7350393.463	5044653.294	84.706
1394	34350007.210	5043650.730	129.710	7350391.668	5044653.471	0.724	0.444	43.994	7350392.392	5044653.915	85.716
1395	34350010.640	5043648.730	128.700	7350395.099	5044651.471	0.724	0.443	43.994	7350395.823	5044651.914	84.706
1396	34350013.700	5043653.950	128.680	7350398.160	5044656.693	0.724	0.443	43.994	7350398.884	5044657.136	84.686
1397	34350012.010	5043659.010	128.670	7350396.469	5044661.754	0.725	0.443	43.994	7350397.194	5044662.197	84.676
1398	34350013.320	5043657.300	128.710	7350397.780	5044660.044	0.724	0.443	43.994	7350398.504	5044660.487	84.716
1399	34350022.520	5043652.850	128.090	7350406.983	5044655.592	0.724	0.443	43.994	7350407.707	5044656.035	84.096
1401	34350023.820	5043655.050	128.000	7350408.283	5044657.793	0.724	0.443	43.993	7350409.007	5044658.236	84.007
1402	34350019.620	5043657.530	128.150	7350404.082	5044660.274	0.724	0.443	43.994	7350404.806	5044660.717	84.156
1403	34350024.350	5043665.480	128.040	7350408.813	5044668.226	0.724	0.443	43.993	7350409.537	5044668.669	84.047
1404	34350015.950	5043665.490	128.270	7350400.410	5044668.236	0.725	0.443	43.994	7350401.135	5044668.679	84.276
1405	34350012.600	5043659.790	128.240	7350397.060	5044662.534	0.724	0.443	43.994	7350397.784	5044662.977	84.246
1406	34350016.910	5043672.190	128.390	7350401.371	5044674.938	0.724	0.443	43.993	7350402.095	5044675.381	84.397
1407	34350022.020	5043677.860	128.700	7350406.482	5044680.610	0.724	0.443	43.993	7350407.206	5044681.053	84.707
1408	34350022.990	5043678.130	128.680	7350407.452	5044680.880	0.725	0.443	43.993	7350408.177	5044681.323	84.687
1409	34350022.790	5043676.480	128.550	7350407.252	5044679.230	0.725	0.442	43.993	7350407.977	5044679.672	84.557
1410	34350024.140	5043678.670	128.490	7350408.602	5044681.420	0.725	0.443	43.993	7350409.327	5044681.863	84.497
1411	34350030.400	5043689.230	128.000	7350414.864	5044691.984	0.725	0.442	43.993	7350415.589	5044692.426	84.007
1412	34350032.010	5043670.440	127.930	7350416.475	5044673.188	0.724	0.443	43.993	7350417.199	5044673.631	83.937
1413	34350025.600	5043675.780	128.160	7350410.063	5044678.529	0.724	0.443	43.993	7350410.787	5044678.972	84.167
1414	34350039.610	5043669.060	127.940	7350424.077	5044671.808	0.724	0.442	43.993	7350424.801	5044672.250	83.947
1415	34350042.020	5043670.750	127.740	7350426.488	5044673.498	0.724	0.443	43.993	7350427.212	5044673.941	83.747
1416	34350043.920	5043669.970	127.740	7350428.389	5044672.718	0.723	0.443	43.993	7350429.112	5044673.161	83.747
1417	34350038.290	5043665.200	127.990	7350422.757	5044667.947	0.724	0.442	43.993	7350423.481	5044668.389	83.997
1418	34350036.480	5043659.110	127.920	7350420.947	5044661.855	0.723	0.442	43.993	7350421.670	5044662.297	83.927
1419	34350035.450	5043655.030	127.830	7350419.917	5044657.774	0.723	0.442	43.993	7350420.640	5044658.216	83.837
1420	34350030.160	5043635.990	127.640	7350414.626	5044638.728	0.723	0.442	43.994	7350415.349	5044639.170	83.646
1421	34350033.880	5043635.080	127.520	7350418.347	5044637.818	0.723	0.442	43.993	7350419.070	5044638.260	83.527
1422	34350023.950	5043644.640	127.720	7350408.413	5044647.380	0.724	0.443	43.994	7350409.137	5044647.823	83.726
1423	34350023.040	5043644.360	128.100	7350407.503	5044647.100	0.724	0.443	43.994	7350408.227	5044647.543	84.106
1424	34350020.110	5043637.450	128.090	7350404.573	5044640.188	0.723	0.443	43.994	7350405.296	5044640.631	84.096
1425	34349990.290	5043637.630	127.730	7350374.744	5044640.367	0.724	0.444	43.994	7350375.468	5044640.811	83.736
1427	34350009.920	5043614.010	122.150	7350394.380	5044616.741	0.724	0.443	43.994	7350395.104	5044617.184	78.156
1428	34350040.130	5043594.500	122.110	7350424.600	5044597.226	0.722	0.442	43.994	7350425.322	5044597.668	78.116
1429	34350066.570	5043583.530	122.140	7350451.048	5044586.253	0.722	0.442	43.993	7350451.770	5044586.695	78.147
1430	34350096.210	5043566.350	122.170	7350480.697	5044569.069	0.722	0.442	43.993	7350481.419	5044569.511	78.177
1431	34350130.020	5043547.010	122.120	7350514.518	5044549.724	0.720	0.441	43.993	7350515.238	5044550.165	78.127
1432	34350157.200	5043524.190	122.130	7350541.707	5044526.898	0.720	0.441	43.993	7350542.427	5044527.339	78.137
1433	34350177.700	5043498.470	122.120	7350562.214	5044501.171	0.719	0.441	43.992	7350562.933	5044501.612	78.128
1434	34350196.470	5043480.060	122.130	7350580.990	5044482.756	0.719	0.441	43.992	7350581.709	5044483.197	78.138



1435	34350209.810	5043464.190	122.150	7350594.334	5044466.882	0.719	0.440	43.992	7350595.053	5044467.322	78.158
1436	34350217.350	5043440.580	122.150	7350601.877	5044443.265	0.718	0.441	43.992	7350602.595	5044443.706	78.158
2082	34350965.840	5043647.240	128.630	7351350.584	5044650.009	0.704	0.422	43.983	7351351.288	5044650.431	84.647
2083	34350962.450	5043639.400	128.710	7351347.193	5044642.167	0.704	0.421	43.983	7351347.897	5044642.588	84.727
2084	34350964.400	5043637.980	128.730	7351349.143	5044640.747	0.705	0.421	43.983	7351349.848	5044641.168	84.747
2085	34350965.540	5043637.560	128.620	7351350.284	5044640.327	0.704	0.421	43.983	7351350.988	5044640.748	84.637
2086	34350974.540	5043638.480	128.690	7351359.286	5044641.247	0.705	0.421	43.983	7351359.991	5044641.668	84.707
2087	34350975.840	5043637.030	128.730	7351360.587	5044639.797	0.704	0.421	43.983	7351361.291	5044640.218	84.747
2088	34350979.970	5043634.850	128.780	7351364.718	5044637.616	0.704	0.421	43.983	7351365.422	5044638.037	84.797
2089	34350997.220	5043650.810	128.740	7351381.973	5044653.581	0.704	0.421	43.983	7351382.677	5044654.002	84.757
2090	34350987.140	5043655.980	128.740	7351371.890	5044658.753	0.704	0.420	43.983	7351372.594	5044659.173	84.757
2091	34350984.960	5043657.040	128.740	7351369.709	5044659.813	0.705	0.421	43.983	7351370.414	5044660.234	84.757
2092	34350980.030	5043660.070	128.700	7351364.777	5044662.844	0.705	0.421	43.983	7351365.482	5044663.265	84.717
2093	34350978.710	5043660.900	128.520	7351363.457	5044663.674	0.705	0.421	43.983	7351364.162	5044664.095	84.537
2094	34350976.940	5043662.510	128.400	7351361.686	5044665.284	0.705	0.421	43.983	7351362.391	5044665.705	84.417
2095	34350976.570	5043662.840	128.430	7351361.316	5044665.614	0.705	0.421	43.983	7351362.021	5044666.035	84.447
2096	34350986.530	5043679.020	128.090	7351371.279	5044681.800	0.705	0.420	43.983	7351371.984	5044682.220	84.107
2097	34350986.720	5043678.600	128.170	7351371.469	5044681.379	0.705	0.421	43.983	7351372.174	5044681.800	84.187
2098	34350988.590	5043677.250	128.370	7351373.339	5044680.029	0.705	0.421	43.983	7351374.044	5044680.450	84.387
2099	34350989.690	5043675.720	128.660	7351374.440	5044678.499	0.705	0.420	43.983	7351375.145	5044678.919	84.677
2100	34350992.540	5043672.930	128.660	7351377.291	5044675.708	0.705	0.420	43.983	7351377.996	5044676.128	84.677
2101	34350994.990	5043673.270	128.670	7351379.741	5044676.048	0.705	0.421	43.983	7351380.446	5044676.469	84.687
2102	34350970.440	5043664.290	125.820	7351355.184	5044667.065	0.705	0.421	43.983	7351355.889	5044667.486	81.837
2103	34351006.110	5043686.800	128.480	7351390.864	5044689.582	0.705	0.421	43.982	7351391.569	5044690.003	84.498
2104	34351004.290	5043687.520	128.540	7351389.044	5044690.303	0.705	0.420	43.982	7351389.749	5044690.723	84.558
2105	34351002.940	5043689.530	128.510	7351387.693	5044692.313	0.705	0.420	43.982	7351388.398	5044692.733	84.528
2106	34351000.850	5043693.580	128.510	7351385.603	5044696.364	0.705	0.420	43.982	7351386.308	5044696.784	84.528
2107	34350998.990	5043693.740	128.210	7351383.742	5044696.524	0.705	0.421	43.983	7351384.447	5044696.945	84.227
2108	34350997.140	5043694.870	128.000	7351381.891	5044697.655	0.705	0.420	43.983	7351382.596	5044698.075	84.017
2109	34350996.670	5043695.080	127.980	7351381.421	5044697.865	0.705	0.420	43.983	7351382.126	5044698.285	83.997
2110	34350995.470	5043703.270	125.690	7351380.221	5044706.057	0.705	0.420	43.983	7351380.926	5044706.477	81.707
2111	34351011.230	5043718.140	128.120	7351395.985	5044720.932	0.705	0.420	43.982	7351396.690	5044721.352	84.138
2112	34351011.440	5043717.960	128.180	7351396.195	5044720.752	0.705	0.420	43.982	7351396.900	5044721.172	84.198
2113	34351013.510	5043716.520	128.360	7351398.266	5044719.312	0.705	0.419	43.982	7351398.971	5044719.731	84.378
2114	34351014.660	5043715.650	128.490	7351399.416	5044718.441	0.705	0.420	43.982	7351400.121	5044718.861	84.508
2115	34351015.550	5043711.470	128.540	7351400.306	5044714.260	0.706	0.420	43.982	7351401.012	5044714.680	84.558
2116	34351017.400	5043710.140	128.540	7351402.157	5044712.930	0.705	0.419	43.982	7351402.862	5044713.349	84.558
2117	34351018.570	5043708.700	128.630	7351403.327	5044711.489	0.706	0.420	43.982	7351404.033	5044711.909	84.648
2118	34351020.620	5043733.290	128.090	7351405.377	5044736.087	0.706	0.419	43.982	7351406.083	5044736.506	84.108
2119	34351020.930	5043733.080	128.140	7351405.687	5044735.877	0.706	0.419	43.982	7351406.393	5044736.296	84.158
2120	34351023.010	5043731.740	128.270	7351407.768	5044734.536	0.705	0.420	43.982	7351408.473	5044734.956	84.288
2121	34351024.270	5043730.990	128.220	7351409.028	5044733.786	0.706	0.420	43.982	7351409.734	5044734.206	84.238
2122	34351030.350	5043732.060	128.440	7351415.110	5044734.857	0.706	0.419	43.982	7351415.816	5044735.276	84.458
2123	34351030.500	5043729.160	128.390	7351415.260	5044731.956	0.706	0.419	43.982	7351415.966	5044732.375	84.408
2124	34351032.660	5043727.270	128.320	7351417.421	5044730.065	0.705	0.420	43.982	7351418.126	5044730.485	84.338
2125	34351031.910	5043743.070	128.360	7351416.670	5044745.870	0.706	0.419	43.982	7351417.376	5044746.289	84.378
2126	34351032.270	5043742.730	128.380	7351417.030	5044745.530	0.706	0.419	43.982	7351417.736	5044745.949	84.398
2127	34351024.220	5043752.230	125.050	7351408.978	5044755.033	0.705	0.419	43.982	7351409.683	5044755.452	81.068
2128	34351030.480	5043749.450	128.080	7351415.240	5044752.252	0.705	0.419	43.982	7351415.945	5044752.671	84.098



2129	34351031.490	5043750.060	128.210	7351416.250	5044752.862	0.706	0.419	43.982	7351416.956	5044753.281	84.228
2130	34351033.450	5043749.010	128.240	7351418.211	5044751.812	0.705	0.419	43.982	7351418.916	5044752.231	84.258
2131	34351040.190	5043744.970	128.450	7351424.953	5044747.771	0.705	0.419	43.982	7351425.658	5044748.190	84.468
2132	34351042.030	5043743.960	128.510	7351426.793	5044746.761	0.706	0.418	43.982	7351427.499	5044747.179	84.528
2133	34351044.230	5043743.040	128.520	7351428.994	5044745.840	0.706	0.419	43.982	7351429.700	5044746.259	84.538
2134	34351035.980	5043747.330	128.410	7351420.741	5044750.131	0.706	0.419	43.982	7351421.447	5044750.550	84.428
2135	34351034.020	5043746.800	128.430	7351418.781	5044749.601	0.705	0.419	43.982	7351419.486	5044750.020	84.448
2227	34351098.070	5043868.300	128.860	7351482.846	5044871.139	0.707	0.417	43.981	7351483.553	5044871.556	84.879
2228	34351100.620	5043872.430	128.930	7351485.397	5044875.271	0.706	0.416	43.981	7351486.103	5044875.687	84.949
2229	34351096.050	5043865.270	133.570	7351480.826	5044868.108	0.706	0.417	43.981	7351481.532	5044868.525	89.589
2230	34351091.370	5043857.870	129.200	7351476.145	5044860.706	0.706	0.417	43.981	7351476.851	5044861.123	85.219
2231	34351091.400	5043857.920	130.880	7351476.175	5044860.756	0.706	0.417	43.981	7351476.881	5044861.173	86.899
2232	34351088.930	5043853.960	129.070	7351473.704	5044856.795	0.706	0.417	43.981	7351474.410	5044857.212	85.089
2233	34351082.630	5043843.940	128.950	7351467.402	5044846.772	0.707	0.417	43.981	7351468.109	5044847.189	84.969
2234	34351079.650	5043839.120	128.810	7351464.422	5044841.950	0.706	0.417	43.981	7351465.128	5044842.367	84.829
2235	34351072.420	5043843.890	128.700	7351457.189	5044846.721	0.707	0.418	43.981	7351457.896	5044847.139	84.719
2236	34351075.260	5043848.690	128.870	7351460.030	5044851.523	0.707	0.417	43.981	7351460.737	5044851.940	84.889
2237	34351088.680	5043853.600	132.960	7351473.454	5044856.435	0.706	0.417	43.981	7351474.160	5044856.852	88.979
2238	34351055.460	5043800.610	128.590	7351440.226	5044803.428	0.706	0.418	43.981	7351440.932	5044803.846	84.609
2239	34351066.470	5043818.180	128.730	7351451.238	5044821.003	0.707	0.418	43.981	7351451.945	5044821.421	84.749
2240	34351068.400	5043821.290	128.560	7351453.169	5044824.114	0.706	0.418	43.981	7351453.875	5044824.532	84.579
2241	34351063.050	5043820.290	135.640	7351447.817	5044823.114	0.706	0.418	43.981	7351448.523	5044823.532	91.659
2242	34351063.760	5043823.870	134.020	7351448.527	5044826.695	0.707	0.418	43.981	7351449.234	5044827.113	90.039
2243	34351063.450	5043837.980	129.450	7351448.217	5044840.809	0.706	0.418	43.981	7351448.923	5044841.227	85.469
4062	34350523.088	5043460.581	129.078	7350907.706	5044463.281	0.711	0.432	43.989	7350908.417	5044463.713	85.089
4063	34350516.309	5043451.085	129.266	7350900.925	5044453.782	0.712	0.433	43.989	7350901.637	5044454.215	85.277
4064	34350509.758	5043455.776	129.228	7350894.372	5044458.475	0.712	0.432	43.989	7350895.084	5044458.907	85.239
4065	34350505.428	5043449.828	129.234	7350890.041	5044452.525	0.712	0.432	43.989	7350890.753	5044452.957	85.245
4066	34350512.108	5043445.219	129.232	7350896.723	5044447.915	0.712	0.432	43.989	7350897.435	5044448.347	85.243
4067	34350505.301	5043435.795	129.131	7350889.914	5044438.488	0.712	0.432	43.989	7350890.626	5044438.920	85.142
4068	34350559.830	5043396.668	129.128	7350944.460	5044399.351	0.711	0.432	43.989	7350945.171	5044399.783	85.139
4069	34350566.040	5043393.200	129.122	7350950.672	5044395.882	0.711	0.432	43.989	7350951.383	5044396.314	85.133
4070	34350572.514	5043383.845	129.055	7350957.149	5044386.524	0.710	0.432	43.989	7350957.859	5044386.956	85.066
4071	34350574.702	5043384.685	129.074	7350959.337	5044387.364	0.711	0.432	43.989	7350960.048	5044387.796	85.085
4072	34350575.178	5043382.579	129.081	7350959.813	5044385.258	0.711	0.432	43.989	7350960.524	5044385.690	85.092
4073	34350561.403	5043388.327	129.084	7350946.034	5044391.007	0.711	0.432	43.989	7350946.745	5044391.439	85.095
4074	34350526.043	5043413.645	129.039	7350910.663	5044416.332	0.711	0.432	43.989	7350911.374	5044416.764	85.050
4075	34350529.500	5043418.454	129.098	7350914.121	5044421.142	0.711	0.433	43.989	7350914.832	5044421.575	85.109
4076	34350501.915	5043430.936	129.157	7350886.527	5044433.627	0.712	0.433	43.989	7350887.239	5044434.060	85.168
4077	34350495.613	5043422.210	129.302	7350880.224	5044424.898	0.712	0.433	43.989	7350880.936	5044425.331	85.313
4078	34350488.831	5043428.452	129.329	7350873.439	5044431.142	0.713	0.433	43.989	7350874.152	5044431.575	85.340
4079	34350480.269	5043420.293	129.367	7350864.875	5044422.980	0.713	0.434	43.989	7350865.588	5044423.414	85.378
4080	34350490.294	5043414.883	129.302	7350874.903	5044417.569	0.712	0.433	43.989	7350875.615	5044418.002	85.313
4081	34350484.043	5043406.152	129.087	7350868.651	5044408.835	0.712	0.434	43.989	7350869.363	5044409.269	85.098
4082	34350493.241	5043428.827	129.252	7350877.851	5044431.517	0.712	0.433	43.989	7350878.563	5044431.950	85.263
4083	34350493.115	5043429.053	129.271	7350877.725	5044431.743	0.712	0.433	43.989	7350878.437	5044432.176	85.282
4084	34350493.828	5043430.580	129.277	7350878.438	5044433.271	0.712	0.433	43.989	7350879.150	5044433.704	85.288
4085	34350477.155	5043404.393	129.201	7350861.761	5044407.075	0.712	0.434	43.990	7350862.473	5044407.509	85.211
4086	34350479.777	5043412.813	129.339	7350864.383	5044415.498	0.713	0.434	43.989	7350865.096	5044415.932	85.350



4087	34350479.077	5043415.588	129.413	7350863.683	5044418.274	0.712	0.433	43.989	7350864.395	5044418.707	85.424
4088	34350482.126	5043415.708	129.302	7350866.733	5044418.394	0.712	0.433	43.989	7350867.445	5044418.827	85.313
4089	34350470.621	5043409.268	129.354	7350855.224	5044411.952	0.713	0.434	43.990	7350855.937	5044412.386	85.364
4090	34350471.562	5043408.507	129.292	7350856.166	5044411.190	0.712	0.434	43.990	7350856.878	5044411.624	85.302
4091	34350452.540	5043384.230	129.236	7350837.139	5044386.906	0.713	0.434	43.990	7350837.852	5044387.340	85.246
4092	34350453.414	5043383.598	129.229	7350838.013	5044386.273	0.713	0.435	43.990	7350838.726	5044386.708	85.239
4093	34350459.044	5043379.669	129.196	7350843.645	5044382.343	0.713	0.435	43.990	7350844.358	5044382.778	85.206
4094	34350459.386	5043377.953	129.117	7350843.987	5044380.627	0.713	0.435	43.990	7350844.700	5044381.062	85.127
4095	34350461.376	5043376.544	129.058	7350845.978	5044379.218	0.713	0.434	43.990	7350846.691	5044379.652	85.068
4096	34350471.384	5043364.799	129.048	7350855.989	5044367.469	0.713	0.435	43.990	7350856.702	5044367.904	85.058
4097	34350469.858	5043365.086	129.057	7350854.463	5044367.756	0.712	0.435	43.990	7350855.175	5044368.191	85.067
4098	34350473.127	5043362.201	129.112	7350857.733	5044364.871	0.712	0.434	43.990	7350858.445	5044365.305	85.122
4099	34350491.071	5043349.218	129.112	7350875.682	5044351.884	0.713	0.435	43.990	7350876.395	5044352.319	85.122
4100	34350493.495	5043354.725	129.124	7350878.107	5044357.393	0.712	0.434	43.990	7350878.819	5044357.827	85.134
4101	34350513.948	5043332.658	129.154	7350898.567	5044335.320	0.711	0.434	43.989	7350899.278	5044335.754	85.165
4102	34350523.325	5043333.136	129.139	7350907.946	5044335.799	0.712	0.433	43.989	7350908.658	5044336.232	85.150
4103	34350444.134	5043338.186	129.174	7350828.732	5044340.848	0.713	0.435	43.990	7350829.445	5044341.283	85.184
4104	34350440.124	5043336.504	129.122	7350824.721	5044339.165	0.713	0.436	43.990	7350825.434	5044339.601	85.132
4105	34350439.201	5043337.146	129.132	7350823.797	5044339.807	0.713	0.436	43.990	7350824.510	5044340.243	85.142
4106	34350437.596	5043334.914	129.133	7350822.192	5044337.574	0.713	0.436	43.990	7350822.905	5044338.010	85.143
4107	34350438.468	5043334.307	129.137	7350823.064	5044336.967	0.713	0.436	43.990	7350823.777	5044337.403	85.147
4108	34350442.537	5043335.573	129.135	7350827.134	5044338.234	0.713	0.436	43.990	7350827.847	5044338.670	85.145
4109	34350450.837	5043331.446	129.118	7350835.437	5044334.106	0.713	0.436	43.990	7350836.150	5044334.542	85.128
4110	34350454.953	5043337.113	129.112	7350839.554	5044339.775	0.713	0.435	43.990	7350840.267	5044340.210	85.122
4111	34350467.021	5043353.683	129.113	7350851.625	5044356.350	0.713	0.435	43.990	7350852.338	5044356.785	85.123
4112	34350463.230	5043364.160	129.050	7350847.833	5044366.830	0.712	0.435	43.990	7350848.545	5044367.265	85.060
4113	34350455.868	5043327.225	129.116	7350840.470	5044329.884	0.712	0.435	43.990	7350841.182	5044330.319	85.126
4114	34350470.436	5043317.311	129.116	7350855.042	5044319.967	0.713	0.436	43.990	7350855.755	5044320.403	85.126
4115	34350476.188	5043313.173	129.172	7350860.796	5044315.828	0.712	0.436	43.990	7350861.508	5044316.264	85.182
4116	34350491.665	5043301.900	129.110	7350876.278	5044304.552	0.712	0.435	43.990	7350876.990	5044304.987	85.120
4117	34350492.503	5043301.282	129.080	7350877.116	5044303.934	0.712	0.435	43.990	7350877.828	5044304.369	85.090
4118	34350480.072	5043276.244	128.724	7350864.682	5044278.888	0.713	0.436	43.990	7350865.395	5044279.324	84.734
4119	34350460.985	5043286.482	128.787	7350845.589	5044289.129	0.713	0.436	43.990	7350846.302	5044289.565	84.797
4120	34350460.182	5043295.208	129.060	7350844.786	5044297.857	0.712	0.436	43.990	7350845.498	5044298.293	85.070
4121	34350461.368	5043296.004	128.677	7350845.972	5044298.654	0.713	0.436	43.990	7350846.685	5044299.090	84.687
4122	34350481.352	5043282.331	129.046	7350865.963	5044284.977	0.712	0.436	43.990	7350866.675	5044285.413	85.056
4123	34350482.049	5043282.945	128.778	7350866.660	5044285.591	0.712	0.436	43.990	7350867.372	5044286.027	84.788
4124	34350480.593	5043279.688	129.025	7350865.203	5044282.333	0.713	0.436	43.990	7350865.916	5044282.769	85.035
4125	34350494.419	5043273.668	129.207	7350879.034	5044276.312	0.712	0.436	43.990	7350879.746	5044276.748	85.217
4126	34350497.517	5043273.164	128.720	7350882.133	5044275.808	0.712	0.435	43.990	7350882.845	5044276.243	84.730
4127	34350496.048	5043270.393	128.994	7350880.663	5044273.036	0.712	0.436	43.990	7350881.375	5044273.472	85.004
4128	34350495.344	5043267.997	128.926	7350879.959	5044270.639	0.712	0.436	43.990	7350880.671	5044271.075	84.936
4129	34350507.102	5043261.674	129.220	7350891.721	5044264.315	0.712	0.435	43.990	7350892.433	5044264.750	85.230
4130	34350507.640	5043263.725	129.124	7350892.259	5044266.366	0.712	0.436	43.990	7350892.971	5044266.802	85.134
4131	34350513.582	5043273.103	128.766	7350898.202	5044275.747	0.712	0.435	43.990	7350898.914	5044276.182	84.776
4132	34350515.158	5043276.054	128.813	7350899.779	5044278.699	0.711	0.435	43.990	7350900.490	5044279.134	84.823
4133	34350521.030	5043286.274	128.962	7350905.652	5044288.923	0.712	0.434	43.990	7350906.364	5044289.357	84.972
4134	34350505.595	5043292.695	128.821	7350890.212	5044295.345	0.712	0.435	43.990	7350890.924	5044295.780	84.831
4135	34350435.383	5043296.289	129.668	7350819.979	5044298.938	0.713	0.437	43.990	7350820.692	5044299.375	85.678



4136	34350450.091	5043285.644	129.595	7350834.692	5044288.290	0.713	0.437	43.990	7350835.405	5044288.727	85.605
4137	34350452.221	5043282.356	129.535	7350836.823	5044285.001	0.712	0.437	43.990	7350837.535	5044285.438	85.545
4138	34350435.415	5043282.702	129.575	7350820.012	5044285.347	0.713	0.437	43.991	7350820.725	5044285.784	85.584
4139	34350405.725	5043301.526	129.584	7350790.312	5044304.176	0.714	0.437	43.991	7350791.026	5044304.613	85.593
4140	34350378.854	5043318.518	129.564	7350763.433	5044321.172	0.714	0.438	43.991	7350764.147	5044321.610	85.573
4141	34350377.435	5043320.407	129.611	7350762.013	5044323.061	0.715	0.438	43.991	7350762.728	5044323.499	85.620
4142	34350375.130	5043318.196	126.965	7350759.708	5044320.850	0.714	0.438	43.991	7350760.422	5044321.288	82.974
4143	34350378.923	5043318.289	127.173	7350763.502	5044320.943	0.714	0.438	43.991	7350764.216	5044321.381	83.182
4144	34350406.859	5043298.075	126.890	7350791.447	5044300.724	0.713	0.437	43.991	7350792.160	5044301.161	82.899
4145	34350407.960	5043299.918	127.125	7350792.548	5044302.567	0.714	0.438	43.991	7350793.262	5044303.005	83.134
4146	34350410.175	5043298.560	128.910	7350794.764	5044301.209	0.713	0.437	43.991	7350795.477	5044301.646	84.919
4154	34350458.885	5043285.776	128.622	7350843.489	5044288.422	0.712	0.437	43.990	7350844.201	5044288.859	84.632
4155	34350477.383	5043274.075	128.580	7350861.993	5044276.719	0.712	0.436	43.990	7350862.705	5044277.155	84.590
4156	34350492.697	5043265.251	128.632	7350877.311	5044267.892	0.712	0.436	43.990	7350878.023	5044268.328	84.642
4157	34350497.571	5043260.186	128.637	7350882.187	5044262.826	0.712	0.436	43.990	7350882.899	5044263.262	84.647
4158	34350495.298	5043256.629	127.012	7350879.913	5044259.268	0.712	0.436	43.990	7350880.625	5044259.704	83.022
4159	34350507.398	5043259.210	129.071	7350892.017	5044261.850	0.712	0.435	43.990	7350892.729	5044262.285	85.081
4160	34350517.072	5043258.769	129.059	7350901.694	5044261.409	0.712	0.435	43.990	7350902.406	5044261.844	85.069
4161	34350518.817	5043261.147	128.923	7350903.439	5044263.788	0.712	0.435	43.990	7350904.151	5044264.223	84.933
4162	34350521.508	5043266.780	128.661	7350906.131	5044269.423	0.712	0.435	43.990	7350906.843	5044269.858	84.671
4163	34350516.876	5043254.020	129.049	7350901.498	5044256.659	0.712	0.435	43.990	7350902.210	5044257.094	85.059
4164	34350530.402	5043252.780	129.013	7350915.028	5044255.419	0.711	0.435	43.990	7350915.739	5044255.854	85.023
4165	34350531.413	5043254.366	128.861	7350916.039	5044257.005	0.712	0.435	43.990	7350916.751	5044257.440	84.871
4166	34350533.527	5043258.534	128.693	7350918.154	5044261.175	0.711	0.434	43.990	7350918.865	5044261.609	84.703
4167	34350533.897	5043261.151	130.250	7350918.524	5044263.792	0.711	0.435	43.989	7350919.235	5044264.227	86.261
4168	34350540.048	5043254.263	129.360	7350924.677	5044256.903	0.711	0.434	43.989	7350925.388	5044257.337	85.371
4169	34350538.964	5043249.668	129.054	7350923.593	5044252.306	0.711	0.435	43.989	7350924.304	5044252.741	85.065
4170	34350539.711	5043245.570	128.813	7350924.340	5044248.207	0.711	0.435	43.990	7350925.051	5044248.642	84.823
4171	34350543.470	5043248.266	129.079	7350928.100	5044250.904	0.711	0.435	43.989	7350928.811	5044251.339	85.090
4172	34350549.014	5043249.780	129.115	7350933.646	5044252.419	0.711	0.434	43.989	7350934.357	5044252.853	85.126
4173	34350548.943	5043246.804	128.971	7350933.575	5044249.442	0.711	0.434	43.989	7350934.286	5044249.876	84.982
4174	34350555.370	5043248.426	129.076	7350940.004	5044251.064	0.711	0.435	43.989	7350940.715	5044251.499	85.087
4175	34350555.595	5043250.334	130.647	7350940.229	5044252.973	0.711	0.434	43.989	7350940.940	5044253.407	86.658
4176	34350555.118	5043245.228	128.957	7350939.752	5044247.865	0.711	0.435	43.989	7350940.463	5044248.300	84.968
4177	34350553.698	5043238.771	128.766	7350938.331	5044241.406	0.712	0.435	43.989	7350939.043	5044241.841	84.777
4178	34350552.318	5043235.154	127.162	7350936.951	5044237.788	0.711	0.435	43.989	7350937.662	5044238.223	83.173
4179	34350545.015	5043219.417	124.769	7350929.646	5044222.046	0.712	0.435	43.990	7350930.358	5044222.481	80.779
4180	34350542.202	5043213.977	123.144	7350926.833	5044216.605	0.711	0.435	43.990	7350927.544	5044217.040	79.154
4181	34350523.046	5043226.482	123.116	7350907.671	5044229.113	0.711	0.435	43.990	7350908.382	5044229.548	79.126
4182	34350526.913	5043228.434	124.576	7350911.539	5044231.066	0.711	0.435	43.990	7350912.250	5044231.501	80.586
4183	34350524.446	5043239.618	126.059	7350909.071	5044242.253	0.711	0.435	43.990	7350909.782	5044242.688	82.069
4184	34350560.267	5043218.442	125.709	7350944.903	5044221.072	0.711	0.434	43.989	7350945.614	5044221.506	81.720
4185	34350571.790	5043205.489	125.059	7350956.430	5044208.115	0.711	0.435	43.989	7350957.141	5044208.550	81.070
4186	34350578.010	5043191.264	123.224	7350962.652	5044193.886	0.711	0.435	43.989	7350963.363	5044194.321	79.235
4187	34350575.789	5043217.098	126.415	7350960.430	5044219.728	0.710	0.434	43.989	7350961.140	5044220.162	82.426
4188	34350577.949	5043221.548	128.430	7350962.590	5044224.179	0.711	0.434	43.989	7350963.301	5044224.613	84.441
4189	34350577.139	5043228.871	128.794	7350961.780	5044231.504	0.710	0.434	43.989	7350962.490	5044231.938	84.805
4190	34350580.255	5043234.210	128.798	7350964.896	5044236.845	0.711	0.434	43.989	7350965.607	5044237.279	84.809
4191	34350564.086	5043236.371	128.777	7350948.723	5044239.006	0.711	0.434	43.989	7350949.434	5044239.440	84.788



4192	34350562.551	5043243.859	128.891	7350947.187	5044246.496	0.711	0.434	43.989	7350947.898	5044246.930	84.902
4193	34350563.283	5043246.244	128.995	7350947.919	5044248.882	0.711	0.434	43.989	7350948.630	5044249.316	85.006
4194	34350563.466	5043247.959	130.270	7350948.102	5044250.597	0.711	0.435	43.989	7350948.813	5044251.032	86.281
4195	34350569.710	5043242.948	128.950	7350954.348	5044245.585	0.711	0.434	43.989	7350955.059	5044246.019	84.961
4196	34350569.848	5043245.599	128.886	7350954.486	5044248.237	0.711	0.434	43.989	7350955.197	5044248.671	84.897
4197	34350569.804	5043247.367	130.107	7350954.442	5044250.005	0.711	0.434	43.989	7350955.153	5044250.439	86.118
4198	34350577.647	5043242.545	129.021	7350962.287	5044245.182	0.711	0.434	43.989	7350962.998	5044245.616	85.032
4199	34350577.079	5043246.743	128.733	7350961.719	5044249.381	0.711	0.434	43.989	7350962.430	5044249.815	84.744
4200	34350576.132	5043248.802	129.723	7350960.772	5044251.441	0.711	0.434	43.989	7350961.483	5044251.875	85.734
4201	34350581.195	5043248.519	128.904	7350965.836	5044251.158	0.711	0.434	43.989	7350966.547	5044251.592	84.915
4202	34350582.655	5043242.405	129.094	7350967.297	5044245.042	0.711	0.434	43.989	7350968.008	5044245.476	85.105
4203	34350582.577	5043240.115	128.755	7350967.219	5044242.752	0.711	0.433	43.989	7350967.930	5044243.185	84.766
4204	34350590.829	5043242.499	129.107	7350975.473	5044245.137	0.711	0.433	43.989	7350976.184	5044245.570	85.118
4205	34350590.781	5043244.794	128.992	7350975.425	5044247.432	0.711	0.434	43.989	7350976.136	5044247.866	85.003
4206	34350591.043	5043240.057	128.810	7350975.687	5044242.694	0.711	0.433	43.989	7350976.398	5044243.127	84.821
4207	34350587.811	5043229.780	129.333	7350972.455	5044232.414	0.710	0.433	43.989	7350973.165	5044232.847	85.344
4208	34350585.617	5043223.978	128.727	7350970.260	5044226.610	0.711	0.434	43.989	7350970.971	5044227.044	84.738
4209	34350595.525	5043225.348	129.331	7350980.171	5044227.981	0.711	0.433	43.989	7350980.882	5044228.414	85.342
4210	34350604.837	5043234.053	129.053	7350989.486	5044236.689	0.710	0.433	43.989	7350990.196	5044237.122	85.064
4211	34350604.161	5043236.664	128.996	7350988.809	5044239.300	0.711	0.433	43.989	7350989.520	5044239.733	85.007
4212	34350600.560	5043235.774	128.919	7350985.207	5044238.410	0.711	0.433	43.989	7350985.918	5044238.843	84.930
4213	34350601.231	5043233.117	128.865	7350985.879	5044235.752	0.710	0.433	43.989	7350986.589	5044236.185	84.876
4428	34350046.786	5043705.184	124.088	7350431.254	5044707.943	0.725	0.442	43.993	7350431.979	5044708.385	80.095
4429	34350045.854	5043701.142	123.481	7350430.322	5044703.900	0.725	0.442	43.993	7350431.047	5044704.342	79.488
4430	34350040.410	5043701.443	124.058	7350424.877	5044704.201	0.724	0.442	43.993	7350425.601	5044704.643	80.065
4431	34350041.818	5043700.172	123.544	7350426.285	5044702.929	0.725	0.443	43.993	7350427.010	5044703.372	79.551
4432	34350040.306	5043694.058	123.911	7350424.773	5044696.813	0.724	0.443	43.993	7350425.497	5044697.256	79.918
4433	34350041.938	5043694.727	123.441	7350426.405	5044697.483	0.725	0.442	43.993	7350427.130	5044697.925	79.448
4434	34350035.308	5043701.930	127.156	7350419.773	5044704.687	0.725	0.443	43.993	7350420.498	5044705.130	83.163
4435	34350034.988	5043712.808	127.672	7350419.453	5044715.569	0.725	0.442	43.993	7350420.178	5044716.011	83.679
4436	34350053.801	5043702.151	124.033	7350438.272	5044704.909	0.724	0.442	43.993	7350438.996	5044705.351	80.040
4437	34350051.926	5043698.556	123.151	7350436.396	5044701.313	0.724	0.442	43.993	7350437.120	5044701.755	79.158
4438	34350061.501	5043695.005	123.596	7350445.974	5044697.761	0.724	0.442	43.993	7350446.698	5044698.203	79.603
4439	34350056.374	5043693.575	123.031	7350440.846	5044696.331	0.724	0.442	43.993	7350441.570	5044696.773	79.038
4440	34350062.203	5043683.686	123.518	7350446.677	5044686.439	0.723	0.442	43.993	7350447.400	5044686.881	79.525
4441	34350058.865	5043675.454	123.600	7350443.338	5044678.204	0.724	0.442	43.993	7350444.062	5044678.646	79.607
4442	34350055.528	5043670.437	123.591	7350440.000	5044673.186	0.724	0.442	43.993	7350440.724	5044673.628	79.598
4443	34350051.497	5043671.027	123.630	7350435.968	5044673.776	0.724	0.442	43.993	7350436.692	5044674.218	79.637
4444	34350049.959	5043667.588	124.097	7350434.430	5044670.336	0.723	0.442	43.993	7350435.153	5044670.778	80.104
4445	34350046.087	5043678.842	124.065	7350430.556	5044681.593	0.724	0.442	43.993	7350431.280	5044682.035	80.072
4446	34350048.554	5043680.157	123.320	7350433.024	5044682.908	0.724	0.443	43.993	7350433.748	5044683.351	79.327
4447	34350051.062	5043659.005	124.375	7350435.533	5044661.750	0.724	0.442	43.993	7350436.257	5044662.192	80.382
4448	34350046.072	5043641.821	124.839	7350430.542	5044644.561	0.723	0.442	43.993	7350431.265	5044645.003	80.846
4449	34350034.374	5043635.759	127.634	7350418.841	5044638.497	0.723	0.442	43.993	7350419.564	5044638.939	83.641
4450	34350051.174	5043637.133	124.979	7350435.646	5044639.872	0.723	0.442	43.993	7350436.369	5044640.314	80.986
4451	34350061.470	5043644.869	124.569	7350445.945	5044647.610	0.723	0.442	43.993	7350446.668	5044648.052	80.576
4452	34350075.245	5043643.882	125.096	7350459.724	5044646.623	0.722	0.442	43.993	7350460.446	5044647.065	81.103
4453	34350067.662	5043633.139	124.517	7350452.139	5044635.877	0.722	0.442	43.993	7350452.861	5044636.319	80.524
4454	34350066.972	5043627.180	127.056	7350451.449	5044629.916	0.722	0.442	43.993	7350452.171	5044630.358	83.063



4455	34350066.986	5043622.727	126.396	7350451.463	5044625.462	0.722	0.441	43.993	7350452.185	5044625.903	82.403
4456	34350053.845	5043605.097	126.472	7350438.319	5044607.826	0.722	0.442	43.993	7350439.041	5044608.268	82.479
4457	34350092.700	5043621.327	125.255	7350477.185	5044624.062	0.721	0.441	43.993	7350477.906	5044624.503	81.262
4458	34350096.695	5043627.712	124.851	7350481.181	5044630.449	0.721	0.441	43.993	7350481.902	5044630.890	80.858
4459	34350088.643	5043613.335	127.299	7350473.127	5044616.068	0.721	0.441	43.993	7350473.848	5044616.509	83.306
4460	34350086.538	5043608.606	126.505	7350471.021	5044611.337	0.722	0.441	43.993	7350471.743	5044611.778	82.512
4461	34350073.617	5043593.407	126.343	7350458.097	5044596.133	0.722	0.442	43.993	7350458.819	5044596.575	82.350
4462	34350090.388	5043585.008	126.185	7350474.873	5044587.732	0.722	0.442	43.993	7350475.595	5044588.174	82.192
4463	34350096.649	5043600.056	126.416	7350481.135	5044602.785	0.722	0.441	43.993	7350481.857	5044603.226	82.423
4464	34350099.653	5043604.012	127.170	7350484.140	5044606.742	0.722	0.441	43.993	7350484.862	5044607.183	83.177
4465	34350102.334	5043609.906	124.122	7350486.822	5044612.638	0.721	0.441	43.993	7350487.543	5044613.079	80.129
4466	34350106.285	5043611.768	124.613	7350490.774	5044614.501	0.721	0.440	43.993	7350491.495	5044614.941	80.620
4467	34350117.162	5043602.831	124.608	7350501.654	5044605.562	0.721	0.440	43.993	7350502.375	5044606.002	80.615
4468	34350114.895	5043600.401	123.814	7350499.387	5044603.131	0.721	0.440	43.993	7350500.108	5044603.571	79.821
4469	34350122.102	5043612.679	124.537	7350506.596	5044615.413	0.721	0.440	43.993	7350507.317	5044615.853	80.544
4470	34350103.719	5043636.780	124.942	7350488.206	5044639.520	0.722	0.441	43.993	7350488.928	5044639.961	80.949
4471	34350110.163	5043649.921	124.964	7350494.652	5044652.665	0.722	0.441	43.993	7350495.374	5044653.106	80.971
4472	34350126.238	5043658.080	125.145	7350510.731	5044660.827	0.722	0.440	43.992	7350511.453	5044661.267	81.153
4473	34350142.318	5043641.387	124.181	7350526.817	5044644.130	0.721	0.439	43.992	7350527.538	5044644.569	80.189
4474	34350162.889	5043652.435	124.461	7350547.394	5044655.182	0.720	0.439	43.992	7350548.114	5044655.621	80.469
4475	34350149.940	5043669.718	124.839	7350534.440	5044672.469	0.722	0.440	43.992	7350535.162	5044672.909	80.847
4476	34350174.466	5043641.932	124.429	7350558.974	5044644.676	0.721	0.439	43.992	7350559.695	5044645.115	80.437
4477	34350161.582	5043628.369	124.484	7350546.087	5044631.108	0.720	0.439	43.992	7350546.807	5044631.547	80.492
4478	34350155.459	5043616.612	124.541	7350539.962	5044619.348	0.721	0.439	43.992	7350540.683	5044619.787	80.549
4479	34350158.598	5043609.223	124.628	7350543.103	5044611.957	0.720	0.439	43.992	7350543.823	5044612.396	80.636
4480	34350149.351	5043619.690	123.857	7350533.853	5044622.427	0.720	0.439	43.992	7350534.573	5044622.866	79.865
4481	34350146.251	5043610.216	124.583	7350530.752	5044612.950	0.720	0.439	43.992	7350531.472	5044613.389	80.591
4482	34350138.142	5043602.453	124.357	7350522.641	5044605.184	0.720	0.440	43.992	7350523.361	5044605.624	80.365
4483	34350127.552	5043589.794	124.944	7350512.048	5044592.521	0.721	0.440	43.993	7350512.769	5044592.961	80.951
4484	34350121.399	5043582.854	127.251	7350505.893	5044585.579	0.721	0.440	43.993	7350506.614	5044586.019	83.258
4485	34350118.865	5043579.953	126.737	7350503.359	5044582.677	0.721	0.440	43.993	7350504.080	5044583.117	82.744
4486	34350111.155	5043572.438	126.162	7350495.647	5044575.159	0.721	0.441	43.993	7350496.368	5044575.600	82.169
4487	34350145.996	5043596.272	124.697	7350530.497	5044599.001	0.721	0.440	43.992	7350531.218	5044599.441	80.705
4488	34350156.341	5043586.588	124.786	7350540.846	5044589.315	0.720	0.439	43.992	7350541.566	5044589.754	80.794
4489	34350173.028	5043587.494	124.809	7350557.538	5044590.222	0.719	0.439	43.992	7350558.257	5044590.661	80.817
4490	34350167.247	5043608.058	125.085	7350551.754	5044610.792	0.720	0.438	43.992	7350552.474	5044611.230	81.093
4491	34350175.826	5043607.510	124.310	7350560.336	5044610.244	0.720	0.438	43.992	7350561.056	5044610.682	80.318
4492	34350186.509	5043618.083	124.300	7350571.022	5044620.820	0.719	0.438	43.992	7350571.741	5044621.258	80.308
4493	34350195.990	5043631.142	124.556	7350580.505	5044633.883	0.720	0.438	43.992	7350581.225	5044634.321	80.564
4494	34350180.873	5043636.316	124.580	7350565.383	5044639.058	0.721	0.439	43.992	7350566.104	5044639.497	80.588
4495	34350136.081	5043589.812	124.970	7350520.580	5044592.539	0.720	0.440	43.992	7350521.300	5044592.979	80.978
4496	34350130.225	5043585.116	125.274	7350514.722	5044587.842	0.721	0.440	43.993	7350515.443	5044588.282	81.281
4497	34350125.498	5043578.531	127.499	7350509.994	5044581.254	0.720	0.441	43.993	7350510.714	5044581.695	83.506
4498	34350122.016	5043577.010	126.835	7350506.511	5044579.733	0.720	0.441	43.993	7350507.231	5044580.174	82.842
4499	34350116.198	5043569.262	126.151	7350500.691	5044571.982	0.721	0.441	43.993	7350501.412	5044572.423	82.158
4500	34350146.450	5043546.051	125.798	7350530.953	5044548.765	0.720	0.441	43.993	7350531.673	5044549.206	81.805
4501	34350151.531	5043551.902	126.942	7350536.035	5044554.618	0.720	0.441	43.992	7350536.755	5044555.059	82.950
4502	34350154.920	5043554.657	124.535	7350539.425	5044557.374	0.720	0.440	43.992	7350540.145	5044557.814	80.543
4503	34350142.179	5043572.679	123.884	7350526.680	5044575.401	0.720	0.440	43.993	7350527.400	5044575.841	79.891



4504	34350138.932	5043576.491	125.249	7350523.432	5044579.214	0.720	0.441	43.993	7350524.152	5044579.655	81.256
4505	34350145.141	5043578.904	125.019	7350529.643	5044581.628	0.720	0.440	43.992	7350530.363	5044582.068	81.027
4506	34350150.207	5043573.399	124.211	7350534.710	5044576.122	0.720	0.440	43.992	7350535.430	5044576.562	80.219
4507	34350155.733	5043569.540	124.332	7350540.238	5044572.262	0.720	0.440	43.992	7350540.958	5044572.702	80.340
4508	34350161.866	5043576.234	124.466	7350546.373	5044578.958	0.720	0.440	43.992	7350547.093	5044579.398	80.474
4509	34350170.476	5043578.031	124.386	7350554.985	5044580.756	0.720	0.439	43.992	7350555.705	5044581.195	80.394
4510	34350176.724	5043581.539	125.153	7350561.235	5044584.265	0.719	0.439	43.992	7350561.954	5044584.704	81.161
4511	34350182.561	5043571.278	126.048	7350567.074	5044574.001	0.719	0.439	43.992	7350567.793	5044574.440	82.056
4512	34350176.791	5043568.035	124.469	7350561.302	5044570.757	0.720	0.439	43.992	7350562.022	5044571.196	80.477
4513	34350179.418	5043562.332	124.278	7350563.930	5044565.052	0.720	0.440	43.992	7350564.650	5044565.492	80.286
4514	34350180.960	5043557.412	123.947	7350565.473	5044560.131	0.719	0.439	43.992	7350566.192	5044560.570	79.955
4515	34350168.313	5043554.861	123.822	7350552.822	5044557.579	0.720	0.440	43.992	7350553.542	5044558.019	79.830
4516	34350185.589	5043562.319	125.990	7350570.103	5044565.040	0.719	0.439	43.992	7350570.822	5044565.479	81.998
4517	34350191.382	5043563.505	125.957	7350575.898	5044566.226	0.719	0.439	43.992	7350576.617	5044566.665	81.965
4518	34350186.222	5043573.107	126.121	7350570.736	5044575.831	0.719	0.439	43.992	7350571.455	5044576.270	82.129
4519	34350183.740	5043577.942	125.910	7350568.253	5044580.667	0.720	0.439	43.992	7350568.973	5044581.106	81.918
4520	34350187.251	5043580.930	124.813	7350571.765	5044583.656	0.719	0.439	43.992	7350572.484	5044584.095	80.821
4521	34350194.439	5043572.570	125.066	7350578.955	5044575.294	0.720	0.439	43.992	7350579.675	5044575.733	81.074
4522	34350199.083	5043560.942	125.553	7350583.601	5044563.663	0.719	0.438	43.992	7350584.320	5044564.101	81.561
4523	34350206.698	5043570.207	124.725	7350591.218	5044572.931	0.719	0.438	43.992	7350591.937	5044573.369	80.733
4524	34350197.509	5043585.247	124.628	7350582.026	5044587.975	0.719	0.438	43.992	7350582.745	5044588.413	80.636
4525	34350213.585	5043551.363	125.134	7350598.108	5044554.081	0.718	0.439	43.992	7350598.826	5044554.520	81.142
4526	34350188.210	5043552.758	126.156	7350572.725	5044555.476	0.719	0.439	43.992	7350573.444	5044555.915	82.164
4527	34350185.668	5043549.727	125.157	7350570.182	5044552.444	0.720	0.439	43.992	7350570.902	5044552.883	81.165
4528	34350180.413	5043552.291	124.581	7350564.926	5044555.008	0.719	0.440	43.992	7350565.645	5044555.448	80.589
4529	34350186.042	5043542.986	125.197	7350570.557	5044545.701	0.719	0.439	43.992	7350571.276	5044546.140	81.205
4530	34350180.278	5043537.525	124.547	7350564.791	5044540.238	0.720	0.440	43.992	7350565.511	5044540.678	80.555
4531	34350175.472	5043532.278	126.830	7350559.984	5044534.989	0.719	0.440	43.992	7350560.703	5044535.429	82.838
4532	34350167.194	5043523.986	125.196	7350551.704	5044526.695	0.719	0.440	43.992	7350552.423	5044527.135	81.204
4533	34350165.999	5043523.047	123.872	7350550.508	5044525.755	0.720	0.441	43.992	7350551.228	5044526.196	79.880
4534	34350233.963	5043529.276	124.834	7350618.492	5044531.988	0.719	0.439	43.992	7350619.211	5044532.427	80.842
4535	34350213.295	5043535.504	124.900	7350597.818	5044538.217	0.719	0.439	43.992	7350598.537	5044538.656	80.908
4536	34350213.528	5043514.654	125.426	7350598.052	5044517.361	0.718	0.439	43.992	7350598.770	5044517.800	81.434
4537	34350207.052	5043508.052	127.761	7350591.574	5044510.757	0.719	0.439	43.992	7350592.293	5044511.196	83.769
4538	34350204.945	5043505.654	127.683	7350589.467	5044508.358	0.718	0.440	43.992	7350590.185	5044508.798	83.691
4539	34350202.044	5043502.194	126.905	7350586.565	5044504.897	0.719	0.440	43.992	7350587.284	5044505.337	82.913
4540	34350193.693	5043494.287	126.501	7350578.212	5044496.988	0.718	0.440	43.992	7350578.930	5044497.428	82.509
4541	34350191.071	5043520.882	127.688	7350575.588	5044523.590	0.719	0.440	43.992	7350576.307	5044524.030	83.696
4542	34350187.522	5043518.944	127.041	7350572.038	5044521.652	0.719	0.440	43.992	7350572.757	5044522.092	83.049
4543	34350199.450	5043538.001	125.210	7350583.969	5044540.715	0.719	0.439	43.992	7350584.688	5044541.154	81.218
4544	34350217.464	5043555.368	124.837	7350601.988	5044558.087	0.718	0.439	43.992	7350602.706	5044558.526	80.845
4545	34350215.694	5043565.572	124.560	7350600.217	5044568.294	0.719	0.439	43.992	7350600.936	5044568.733	80.568
4546	34350244.360	5043507.844	124.573	7350628.893	5044510.550	0.718	0.439	43.992	7350629.611	5044510.989	80.581
4547	34350233.112	5043501.407	125.513	7350617.642	5044504.111	0.718	0.439	43.992	7350618.360	5044504.550	81.521
4548	34350231.394	5043498.981	125.640	7350615.924	5044501.684	0.718	0.439	43.992	7350616.642	5044502.123	81.648
4549	34350222.760	5043492.175	128.064	7350607.287	5044494.876	0.719	0.439	43.992	7350608.006	5044495.315	84.072
4550	34350221.361	5043490.273	128.038	7350605.888	5044492.973	0.718	0.440	43.992	7350606.606	5044493.413	84.046
4551	34350218.896	5043487.954	127.108	7350603.422	5044490.653	0.719	0.440	43.992	7350604.141	5044491.093	83.116
4552	34350214.430	5043471.598	126.362	7350598.955	5044474.292	0.719	0.440	43.992	7350599.674	5044474.732	82.370



4553	34350216.199	5043500.914	126.213	7350600.724	5044503.617	0.718	0.440	43.992	7350601.442	5044504.057	82.221
4554	34350243.289	5043489.674	125.051	7350627.822	5044492.375	0.718	0.438	43.992	7350628.540	5044492.813	81.059
4555	34350231.674	5043479.819	128.049	7350616.204	5044482.516	0.718	0.440	43.992	7350616.922	5044482.956	84.057
4556	34350229.278	5043477.419	127.096	7350613.808	5044480.116	0.718	0.439	43.992	7350614.526	5044480.555	83.104
4557	34350218.603	5043467.223	126.050	7350603.130	5044469.916	0.718	0.440	43.992	7350603.848	5044470.356	82.058
4558	34350245.946	5043460.154	127.459	7350630.481	5044462.846	0.718	0.439	43.992	7350631.199	5044463.285	83.467
4559	34350243.816	5043452.338	126.062	7350628.351	5044455.028	0.717	0.439	43.992	7350629.068	5044455.467	82.070
4560	34350253.800	5043449.452	127.247	7350638.338	5044452.141	0.717	0.439	43.992	7350639.055	5044452.580	83.255
4561	34350257.668	5043440.155	129.627	7350642.207	5044442.841	0.718	0.440	43.992	7350642.925	5044443.281	85.635
4562	34350258.727	5043450.847	127.305	7350643.266	5044453.537	0.718	0.439	43.992	7350643.984	5044453.976	83.313
4563	34350250.511	5043459.106	126.783	7350635.048	5044461.798	0.717	0.439	43.992	7350635.765	5044462.237	82.791
4564	34350254.968	5043468.871	124.790	7350639.506	5044471.566	0.717	0.439	43.992	7350640.223	5044472.005	80.798
4565	34350250.266	5043473.926	124.326	7350634.802	5044476.622	0.718	0.439	43.992	7350635.520	5044477.061	80.334
4566	34350252.737	5043480.458	125.318	7350637.274	5044483.156	0.717	0.439	43.992	7350637.991	5044483.595	81.326
4567	34350266.553	5043480.191	123.885	7350651.094	5044482.890	0.717	0.438	43.992	7350651.811	5044483.328	79.893
4568	34350268.889	5043476.808	125.520	7350653.430	5044479.506	0.718	0.438	43.992	7350654.148	5044479.944	81.528
4569	34350277.547	5043481.394	124.645	7350662.091	5044484.093	0.717	0.438	43.991	7350662.808	5044484.531	80.654
4570	34350277.611	5043476.769	124.600	7350662.155	5044479.467	0.717	0.438	43.991	7350662.872	5044479.905	80.609
4571	34350275.723	5043472.660	126.098	7350660.267	5044475.357	0.717	0.438	43.991	7350660.984	5044475.795	82.107
4572	34350268.902	5043465.383	126.275	7350653.444	5044468.077	0.717	0.439	43.992	7350654.161	5044468.516	82.283
4573	34350288.365	5043474.595	125.342	7350672.912	5044477.293	0.717	0.437	43.991	7350673.629	5044477.730	81.351
4574	34350260.629	5043495.481	124.359	7350645.167	5044498.184	0.718	0.438	43.992	7350645.885	5044498.622	80.367

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GriderWeb

Korisnik: Geosystem doo

Transformacija 7P (globalna) + Grid reziduala  
Interpolacija visina iz geoidnog modela SQM2011

[ ETRF2000 - GRS80 ]									[ GK - Bessel ]		
Naziv tacke	E [m]	N [m]	h [m]	yp [m]	xp [m]	kx [m]	ky [m]	U [m]	y [m]	x [m]	H [m]
SP1	34350276.583	5043853.790	131.641	7350661.115	5044856.600	0.723	0.435	43.990	7350661.838	5044857.035	87.651
SP1	34350276.592	5043853.798	131.652	7350661.124	5044856.608	0.723	0.435	43.990	7350661.847	5044857.043	87.662
SP1	34350276.591	5043853.787	131.652	7350661.123	5044856.597	0.723	0.435	43.990	7350661.846	5044857.032	87.662
SP2	34350165.772	5043934.083	131.451	7350550.269	5044936.913	0.727	0.440	43.991	7350550.996	5044937.353	87.460
SP2	34350165.779	5043934.088	131.470	7350550.276	5044936.918	0.727	0.440	43.991	7350551.003	5044937.358	87.479
SP2	34350165.774	5043934.092	131.496	7350550.271	5044936.922	0.727	0.440	43.991	7350550.998	5044937.362	87.505
SP3	34350404.377	5043752.688	131.794	7350788.950	5044755.472	0.718	0.432	43.989	7350789.668	5044755.904	87.805
SP3	34350404.387	5043752.684	131.777	7350788.960	5044755.468	0.718	0.432	43.989	7350789.678	5044755.900	87.788
SP3	34350404.390	5043752.677	131.788	7350788.963	5044755.461	0.718	0.432	43.989	7350789.681	5044755.893	87.799
170	34350413.502	5043776.169	128.366	7350798.077	5044778.960	0.718	0.432	43.989	7350798.795	5044779.392	84.377
171	34350427.602	5043790.982	125.927	7350812.181	5044793.778	0.718	0.431	43.988	7350812.899	5044794.209	81.939
172	34350440.291	5043781.348	125.841	7350824.874	5044784.141	0.717	0.431	43.988	7350825.591	5044784.572	81.853
173	34350431.292	5043770.357	127.587	7350815.873	5044773.147	0.717	0.431	43.988	7350816.590	5044773.578	83.599
174	34350423.162	5043758.026	129.835	7350807.741	5044760.812	0.717	0.431	43.989	7350808.458	5044761.243	85.846
175	34350420.660	5043754.488	131.324	7350805.238	5044757.273	0.717	0.431	43.989	7350805.955	5044757.704	87.335
176	34350418.935	5043751.684	131.537	7350803.513	5044754.468	0.717	0.431	43.989	7350804.230	5044754.899	87.548
177	34350415.387	5043746.799	131.686	7350799.964	5044749.581	0.717	0.432	43.989	7350800.681	5044750.013	87.697
178	34350414.567	5043745.515	131.608	7350799.144	5044748.297	0.717	0.431	43.989	7350799.861	5044748.728	87.619
179	34350415.110	5043739.190	129.916	7350799.687	5044741.970	0.717	0.432	43.989	7350800.404	5044742.402	85.927
180	34350408.585	5043731.056	126.641	7350793.160	5044733.833	0.717	0.432	43.989	7350793.877	5044734.265	82.652
181	34350405.906	5043726.378	125.993	7350790.481	5044729.154	0.717	0.432	43.989	7350791.198	5044729.586	82.004
182	34350404.236	5043724.054	124.705	7350788.810	5044726.829	0.717	0.432	43.989	7350789.527	5044727.261	80.716
183	34350381.381	5043754.663	127.589	7350765.947	5044757.447	0.719	0.432	43.989	7350766.666	5044757.879	83.600
184	34350374.829	5043747.784	125.470	7350759.394	5044750.565	0.718	0.433	43.989	7350760.112	5044750.998	81.481
185	34350373.886	5043746.016	124.835	7350758.451	5044748.797	0.718	0.433	43.989	7350759.169	5044749.230	80.846
186	34350364.032	5043767.234	127.620	7350748.593	5044770.021	0.719	0.433	43.989	7350749.312	5044770.454	83.631
187	34350357.123	5043759.679	125.689	7350741.682	5044762.463	0.719	0.434	43.989	7350742.401	5044762.897	81.700
188	34350358.799	5043753.292	124.506	7350743.359	5044756.075	0.718	0.433	43.989	7350744.077	5044756.508	80.517
189	34350341.614	5043777.502	126.238	7350726.168	5044780.291	0.719	0.434	43.989	7350726.887	5044780.725	82.249
190	34350337.277	5043772.856	125.437	7350721.830	5044775.644	0.719	0.434	43.989	7350722.549	5044776.078	81.448
191	34350336.552	5043772.066	125.019	7350721.105	5044774.854	0.719	0.433	43.989	7350721.824	5044775.287	81.030
192	34350322.343	5043791.532	126.350	7350706.891	5044794.325	0.720	0.434	43.990	7350707.611	5044794.759	82.360
193	34350320.432	5043788.932	125.904	7350704.979	5044791.724	0.720	0.434	43.990	7350705.699	5044792.158	81.914
194	34350318.948	5043786.093	125.810	7350703.495	5044788.884	0.720	0.434	43.990	7350704.215	5044789.318	81.820



195	34350318.100	5043785.079	125.301	7350702.647	5044787.870	0.720	0.434	43.990	7350703.367	5044788.304	81.311
196	34350305.197	5043803.044	126.125	7350689.739	5044805.840	0.721	0.434	43.990	7350690.460	5044806.274	82.135
197	34350301.163	5043799.003	125.576	7350685.704	5044801.797	0.721	0.435	43.990	7350686.425	5044802.232	81.586
198	34350300.639	5043798.024	125.084	7350685.180	5044800.818	0.721	0.435	43.990	7350685.901	5044801.253	81.094
199	34350308.609	5043810.893	129.010	7350693.152	5044813.691	0.721	0.435	43.990	7350693.873	5044814.126	85.020
200	34350288.279	5043825.312	129.216	7350672.816	5044828.114	0.721	0.435	43.990	7350673.537	5044828.549	85.226
201	34350282.151	5043818.349	126.078	7350666.686	5044821.149	0.722	0.435	43.990	7350667.408	5044821.584	82.088
202	34350283.700	5043808.624	125.361	7350668.236	5044811.421	0.721	0.435	43.990	7350668.957	5044811.856	81.371
203	34350261.514	5043833.864	126.221	7350646.042	5044836.668	0.723	0.436	43.990	7350646.765	5044837.104	82.231
204	34350257.923	5043829.605	125.570	7350642.450	5044832.407	0.723	0.436	43.990	7350643.173	5044832.843	81.580
205	34350256.613	5043827.518	124.803	7350641.140	5044830.320	0.722	0.436	43.990	7350641.862	5044830.756	80.813
206	34350247.036	5043844.248	126.337	7350631.560	5044847.054	0.723	0.437	43.990	7350632.283	5044847.491	82.347
207	34350245.556	5043837.021	125.505	7350630.080	5044839.825	0.722	0.437	43.990	7350630.802	5044840.262	81.515
208	34350245.035	5043835.266	124.689	7350629.558	5044838.070	0.723	0.436	43.990	7350630.281	5044838.506	80.699
209	34350233.533	5043855.238	126.451	7350618.052	5044858.047	0.724	0.437	43.990	7350618.776	5044858.484	82.461
210	34350224.546	5043861.857	126.473	7350609.063	5044864.668	0.723	0.437	43.990	7350609.786	5044865.105	82.483
211	34350219.394	5043857.370	125.504	7350603.909	5044860.179	0.724	0.438	43.990	7350604.633	5044860.617	81.514
212	34350217.832	5043855.628	124.434	7350602.347	5044858.437	0.724	0.437	43.990	7350603.071	5044858.874	80.444
213	34350215.379	5043869.007	126.766	7350599.893	5044871.820	0.724	0.437	43.990	7350600.617	5044872.257	82.776
214	34350210.215	5043864.137	125.503	7350594.727	5044866.948	0.724	0.438	43.990	7350595.451	5044867.386	81.513
215	34350208.921	5043862.346	124.472	7350593.433	5044865.157	0.724	0.437	43.990	7350594.157	5044865.594	80.482
216	34350200.921	5043877.586	126.386	7350585.430	5044880.401	0.725	0.438	43.990	7350586.155	5044880.839	82.396
217	34350198.005	5043874.006	125.717	7350582.513	5044876.820	0.725	0.438	43.991	7350583.238	5044877.258	81.726
218	34350198.038	5043869.604	124.480	7350582.546	5044872.416	0.725	0.438	43.991	7350583.271	5044872.854	80.489
219	34350184.978	5043889.695	126.502	7350569.482	5044892.513	0.725	0.438	43.991	7350570.207	5044892.951	82.511
220	34350181.912	5043887.034	125.866	7350566.415	5044889.851	0.725	0.439	43.991	7350567.140	5044890.290	81.875
221	34350175.682	5043883.880	124.321	7350560.183	5044886.696	0.726	0.439	43.991	7350560.909	5044887.135	80.330
222	34350163.350	5043905.756	126.871	7350547.847	5044908.578	0.726	0.439	43.991	7350548.573	5044909.017	82.880
223	34350160.538	5043902.189	126.559	7350545.034	5044905.010	0.726	0.439	43.991	7350545.760	5044905.449	82.568
224	34350159.893	5043897.487	124.938	7350544.389	5044900.306	0.726	0.440	43.991	7350545.115	5044900.746	80.947
225	34350156.009	5043894.856	124.776	7350540.504	5044897.675	0.726	0.439	43.991	7350541.230	5044898.114	80.785
226	34350150.927	5043897.527	125.469	7350535.421	5044900.346	0.726	0.440	43.991	7350536.147	5044900.786	81.478
227	34350154.675	5043905.075	127.084	7350539.169	5044907.897	0.727	0.439	43.991	7350539.896	5044908.336	83.093
228	34350151.998	5043902.320	126.081	7350536.492	5044905.141	0.726	0.439	43.991	7350537.218	5044905.580	82.090
229	34350149.272	5043909.892	128.767	7350533.765	5044912.715	0.726	0.439	43.991	7350534.491	5044913.154	84.776
230	34350146.392	5043903.687	128.610	7350530.884	5044906.508	0.727	0.440	43.991	7350531.611	5044906.948	84.619
231	34350143.721	5043905.025	128.740	7350528.212	5044907.846	0.727	0.440	43.991	7350528.939	5044908.286	84.749
232	34350141.399	5043905.983	128.729	7350525.889	5044908.804	0.727	0.440	43.991	7350526.616	5044909.244	84.738
233	34350138.878	5043896.005	128.573	7350523.368	5044898.823	0.727	0.440	43.991	7350524.095	5044899.263	84.582
234	34350136.640	5043897.214	128.609	7350521.129	5044900.033	0.727	0.440	43.991	7350521.856	5044900.473	84.618
235	34350132.722	5043887.619	128.430	7350517.210	5044890.435	0.727	0.440	43.991	7350517.937	5044890.875	84.439
236	34350134.735	5043886.482	128.491	7350519.224	5044889.297	0.727	0.440	43.991	7350519.951	5044889.737	84.500
237	34350137.067	5043885.690	128.218	7350521.557	5044888.505	0.726	0.440	43.991	7350522.283	5044888.945	84.227
238	34350129.061	5043876.066	128.431	7350513.549	5044878.878	0.726	0.440	43.991	7350514.275	5044879.318	84.440
239	34350127.196	5043877.125	128.467	7350511.683	5044879.937	0.727	0.441	43.991	7350512.410	5044880.378	84.476
240	34350121.672	5043862.026	128.400	7350506.158	5044864.834	0.726	0.440	43.991	7350506.884	5044865.274	84.409
241	34350119.282	5043862.897	128.364	7350503.767	5044865.705	0.726	0.440	43.991	7350504.493	5044866.145	84.373
242	34350124.204	5043861.580	128.169	7350508.691	5044864.388	0.726	0.440	43.991	7350509.417	5044864.828	84.178
243	34350117.569	5043854.161	128.299	7350502.054	5044856.966	0.726	0.441	43.991	7350502.780	5044857.407	84.308



244	34350115.497	5043855.083	128.345	7350499.981	5044857.888	0.727	0.441	43.992	7350500.708	5044858.329	84.353
245	34350109.006	5043838.241	128.433	7350493.489	5044841.041	0.726	0.441	43.992	7350494.215	5044841.482	84.441
246	34350111.308	5043837.164	128.322	7350495.792	5044839.964	0.726	0.441	43.992	7350496.518	5044840.405	84.330
247	34350107.063	5043839.006	128.499	7350491.545	5044841.806	0.726	0.441	43.992	7350492.271	5044842.247	84.507
248	34350099.646	5043821.733	128.455	7350484.127	5044824.528	0.725	0.441	43.992	7350484.852	5044824.969	84.463
249	34350097.444	5043822.666	128.343	7350481.924	5044825.461	0.726	0.441	43.992	7350482.650	5044825.902	84.351
250	34350102.172	5043820.991	128.185	7350486.653	5044823.786	0.726	0.441	43.992	7350487.379	5044824.227	84.193
251	34350087.019	5043800.269	128.160	7350471.496	5044803.057	0.726	0.442	43.992	7350472.222	5044803.499	84.168
252	34350084.428	5043800.687	128.354	7350468.905	5044803.475	0.726	0.442	43.992	7350469.631	5044803.917	84.362
253	34350088.946	5043798.634	128.172	7350473.424	5044801.422	0.726	0.441	43.992	7350474.150	5044801.863	84.180
254	34350078.755	5043788.991	128.053	7350463.230	5044791.776	0.726	0.441	43.992	7350463.956	5044792.217	84.061
255	34350076.869	5043790.199	128.211	7350461.344	5044792.984	0.726	0.442	43.992	7350462.070	5044793.426	84.219
256	34350081.196	5043787.549	128.172	7350465.672	5044790.333	0.726	0.442	43.992	7350466.398	5044790.775	84.180
257	34350147.929	5043910.462	128.868	7350532.421	5044913.285	0.727	0.440	43.991	7350533.148	5044913.725	84.877
258	34350146.340	5043912.434	128.903	7350530.832	5044915.257	0.726	0.440	43.991	7350531.558	5044915.697	84.912
259	34350144.114	5043914.397	128.993	7350528.605	5044917.221	0.727	0.440	43.991	7350529.332	5044917.661	85.002
260	34350150.889	5043922.812	129.647	7350535.382	5044925.639	0.727	0.439	43.991	7350536.109	5044926.078	85.656
261	34350153.255	5043920.123	129.508	7350537.749	5044922.949	0.726	0.439	43.991	7350538.475	5044923.388	85.517
262	34350155.228	5043918.310	129.641	7350539.722	5044921.135	0.727	0.440	43.991	7350540.449	5044921.575	85.650
263	34350156.587	5043917.060	129.657	7350541.082	5044919.885	0.726	0.439	43.991	7350541.808	5044920.324	85.666
264	34350162.138	5043912.962	127.791	7350546.634	5044915.786	0.727	0.439	43.991	7350547.361	5044916.225	83.800
265	34350161.751	5043921.432	130.417	7350546.247	5044924.259	0.727	0.439	43.991	7350546.974	5044924.698	86.426
266	34350160.760	5043923.152	130.133	7350545.256	5044925.979	0.726	0.439	43.991	7350545.982	5044926.418	86.142
267	34350159.032	5043925.175	130.142	7350543.527	5044928.003	0.727	0.439	43.991	7350544.254	5044928.442	86.151
268	34350165.846	5043931.491	131.088	7350550.343	5044934.321	0.727	0.439	43.991	7350551.070	5044934.760	87.097
269	34350167.460	5043929.876	131.192	7350551.957	5044932.705	0.727	0.439	43.991	7350552.684	5044933.144	87.201
270	34350165.285	5043934.893	131.441	7350549.782	5044937.724	0.726	0.439	43.991	7350550.508	5044938.163	87.450
271	34350168.870	5043921.471	130.855	7350553.368	5044924.298	0.726	0.439	43.991	7350554.094	5044924.737	86.864
272	34350172.105	5043935.022	131.374	7350556.604	5044937.853	0.726	0.439	43.991	7350557.330	5044938.292	87.383
273	34350170.780	5043937.280	131.298	7350555.278	5044940.112	0.727	0.438	43.991	7350556.005	5044940.550	87.307
274	34350176.726	5043951.883	131.728	7350561.226	5044954.719	0.726	0.439	43.990	7350561.952	5044955.158	87.738
275	34350187.571	5043951.579	131.711	7350572.074	5044954.415	0.726	0.439	43.990	7350572.800	5044954.854	87.721
276	34350190.571	5043934.716	131.552	7350575.075	5044937.547	0.726	0.439	43.990	7350575.801	5044937.986	87.562
277	34350192.957	5043921.016	131.560	7350577.462	5044923.843	0.726	0.439	43.990	7350578.188	5044924.282	87.570
278	34350185.270	5043911.765	131.595	7350569.773	5044914.589	0.726	0.439	43.990	7350570.499	5044915.028	87.605
279	34350187.760	5043902.459	131.537	7350572.264	5044905.281	0.726	0.438	43.990	7350572.990	5044905.719	87.547
280	34350195.296	5043910.345	131.478	7350579.802	5044913.169	0.726	0.438	43.990	7350580.528	5044913.607	87.488
281	34350206.453	5043898.828	131.480	7350590.963	5044901.649	0.725	0.438	43.990	7350591.688	5044902.087	87.490
282	34350211.825	5043884.945	131.387	7350596.337	5044887.762	0.725	0.438	43.990	7350597.062	5044888.200	87.397
283	34350219.085	5043882.496	131.337	7350603.599	5044885.313	0.725	0.437	43.990	7350604.324	5044885.750	87.347
284	34350217.449	5043878.915	129.905	7350601.963	5044881.731	0.724	0.437	43.990	7350602.687	5044882.168	85.915
285	34350209.718	5043882.033	129.323	7350594.230	5044884.849	0.724	0.438	43.990	7350594.954	5044885.287	85.333
286	34350197.951	5043890.843	129.376	7350582.459	5044893.662	0.725	0.438	43.990	7350583.184	5044894.100	85.386
287	34350183.599	5043900.378	129.140	7350568.102	5044903.199	0.726	0.438	43.991	7350568.828	5044903.637	85.149
288	34350438.616	5043730.750	131.650	7350823.200	5044733.528	0.717	0.431	43.988	7350823.917	5044733.959	87.662
289	34350437.783	5043728.769	131.527	7350822.367	5044731.547	0.716	0.431	43.989	7350823.083	5044731.978	87.538
290	34350429.134	5043716.270	126.373	7350813.716	5044719.044	0.716	0.431	43.989	7350814.432	5044719.475	82.384
291	34350426.391	5043713.377	125.905	7350810.972	5044716.150	0.716	0.431	43.989	7350811.688	5044716.581	81.916
292	34350419.077	5043713.985	124.715	7350803.656	5044716.758	0.716	0.431	43.989	7350804.372	5044717.189	80.726



293	34350443.067	5043697.553	124.553	7350827.654	5044700.322	0.715	0.431	43.989	7350828.369	5044700.753	80.564
294	34350445.433	5043699.916	125.927	7350830.020	5044702.685	0.716	0.431	43.989	7350830.736	5044703.116	81.938
295	34350448.029	5043702.925	126.344	7350832.617	5044705.695	0.715	0.431	43.989	7350833.332	5044706.126	82.355
296	34350470.373	5043686.286	126.325	7350854.968	5044689.052	0.715	0.430	43.988	7350855.683	5044689.482	82.337
297	34350468.668	5043684.134	125.937	7350853.263	5044686.899	0.714	0.431	43.988	7350853.977	5044687.330	81.949
298	34350466.847	5043682.547	125.188	7350851.441	5044685.312	0.715	0.430	43.988	7350852.156	5044685.742	81.200
299	34350487.593	5043667.107	124.895	7350872.194	5044669.868	0.714	0.430	43.988	7350872.908	5044670.298	80.907
300	34350489.242	5043669.503	126.049	7350873.843	5044672.265	0.714	0.430	43.988	7350874.557	5044672.695	82.061
301	34350490.804	5043671.687	126.444	7350875.406	5044674.449	0.713	0.430	43.988	7350876.119	5044674.879	82.456
302	34350513.257	5043657.633	126.686	7350897.866	5044660.392	0.713	0.430	43.988	7350898.579	5044660.822	82.698
303	34350508.664	5043656.258	126.177	7350893.271	5044659.016	0.714	0.430	43.988	7350893.985	5044659.446	82.189
304	34350506.700	5043654.580	124.947	7350891.307	5044657.338	0.713	0.430	43.988	7350892.020	5044657.768	80.959
305	34350522.195	5043667.425	131.375	7350906.806	5044670.187	0.713	0.430	43.988	7350907.519	5044670.617	87.387
306	34350523.660	5043670.916	131.697	7350908.271	5044673.679	0.713	0.430	43.988	7350908.984	5044674.109	87.709
307	34350526.853	5043676.041	131.550	7350911.465	5044678.806	0.713	0.429	43.988	7350912.178	5044679.235	87.562
308	34350528.864	5043679.098	131.239	7350913.477	5044681.864	0.713	0.429	43.988	7350914.190	5044682.293	87.251
309	34350511.247	5043676.285	131.603	7350895.854	5044679.049	0.714	0.430	43.988	7350896.568	5044679.479	87.615
310	34350501.215	5043684.992	131.745	7350885.819	5044687.759	0.714	0.429	43.988	7350886.533	5044688.188	87.757
311	34350501.736	5043686.177	131.706	7350886.340	5044688.944	0.714	0.430	43.988	7350887.054	5044689.374	87.718
312	34350505.181	5043690.998	131.641	7350889.786	5044693.766	0.714	0.430	43.988	7350890.500	5044694.196	87.653
313	34350507.435	5043693.981	131.212	7350892.041	5044696.750	0.714	0.430	43.988	7350892.755	5044697.180	87.224
314	34350492.728	5043690.501	131.758	7350877.330	5044693.269	0.714	0.430	43.988	7350878.044	5044693.699	87.770
315	34350480.831	5043699.247	131.548	7350865.429	5044702.017	0.714	0.430	43.988	7350866.143	5044702.447	87.560
316	34350481.548	5043700.231	131.611	7350866.146	5044703.001	0.715	0.431	43.988	7350866.861	5044703.432	87.623
317	34350484.986	5043705.262	131.561	7350869.585	5044708.034	0.714	0.430	43.988	7350870.299	5044708.464	87.573
318	34350487.153	5043708.121	131.292	7350871.752	5044710.894	0.715	0.430	43.988	7350872.467	5044711.324	87.304
319	34350458.543	5043714.599	131.521	7350843.134	5044717.373	0.715	0.431	43.988	7350843.849	5044717.804	87.533
320	34350459.403	5043715.891	131.609	7350843.994	5044718.665	0.715	0.431	43.988	7350844.709	5044719.096	87.621
321	34350462.497	5043721.070	131.534	7350847.089	5044723.846	0.715	0.430	43.988	7350847.804	5044724.276	87.546
322	34350464.403	5043723.868	131.224	7350848.995	5044726.645	0.716	0.430	43.988	7350849.711	5044727.075	87.236
323	34350442.204	5043735.270	131.532	7350826.789	5044738.050	0.716	0.430	43.988	7350827.505	5044738.480	87.544
324	34350443.077	5043736.440	131.575	7350827.662	5044739.220	0.717	0.431	43.988	7350828.379	5044739.651	87.587
325	34350444.349	5043737.978	131.245	7350828.935	5044740.759	0.716	0.430	43.988	7350829.651	5044741.189	87.257
326	34350446.834	5043741.513	129.821	7350831.420	5044744.295	0.717	0.430	43.988	7350832.137	5044744.725	85.833
327	34350451.834	5043748.535	128.393	7350836.422	5044751.319	0.716	0.430	43.988	7350837.138	5044751.749	84.405
328	34350462.429	5043763.292	125.843	7350847.019	5044766.081	0.717	0.430	43.988	7350847.736	5044766.511	81.855
329	34350483.056	5043748.825	125.790	7350867.653	5044751.610	0.715	0.430	43.988	7350868.368	5044752.040	81.802
330	34350475.791	5043736.785	127.750	7350860.386	5044739.566	0.716	0.430	43.988	7350861.102	5044739.996	83.762
331	34350468.205	5043726.896	129.835	7350852.798	5044729.674	0.716	0.430	43.988	7350853.514	5044730.104	85.847
332	34350490.016	5043712.063	129.666	7350874.616	5044714.837	0.715	0.430	43.988	7350875.331	5044715.267	85.678
333	34350497.771	5043721.483	127.708	7350882.373	5044724.260	0.715	0.430	43.988	7350883.088	5044724.690	83.720
334	34350506.089	5043732.624	125.956	7350890.693	5044735.405	0.715	0.430	43.988	7350891.408	5044735.835	81.968
335	34350524.796	5043720.778	125.926	7350909.406	5044723.556	0.714	0.429	43.988	7350910.120	5044723.985	81.938
336	34350517.938	5043707.962	127.591	7350902.547	5044710.736	0.713	0.429	43.988	7350903.260	5044711.165	83.603
337	34350510.640	5043697.325	129.630	7350895.247	5044700.096	0.713	0.429	43.988	7350895.960	5044700.525	85.642
338	34350533.221	5043681.541	129.612	7350917.835	5044684.308	0.713	0.429	43.988	7350918.548	5044684.737	85.624
339	34350540.858	5043692.575	127.389	7350925.474	5044695.345	0.713	0.429	43.988	7350926.187	5044695.774	83.401
340	34350550.344	5043704.953	125.830	7350934.962	5044707.727	0.713	0.429	43.987	7350935.675	5044708.156	81.843
341	34350572.149	5043691.269	125.503	7350956.774	5044694.040	0.712	0.428	43.987	7350957.486	5044694.468	81.516



342	34350564.247	5043678.268	127.058	7350948.870	5044681.035	0.712	0.428	43.987	7350949.582	5044681.463	83.071
343	34350556.334	5043667.161	129.210	7350940.955	5044669.924	0.712	0.429	43.987	7350941.667	5044670.353	85.223
344	34350552.297	5043661.991	131.034	7350936.917	5044664.752	0.712	0.429	43.988	7350937.629	5044665.181	87.046
345	34350550.465	5043659.526	131.546	7350935.085	5044662.286	0.712	0.430	43.988	7350935.797	5044662.716	87.558
346	34350547.040	5043663.994	131.565	7350931.658	5044666.756	0.713	0.429	43.988	7350932.371	5044667.185	87.577
347	34350546.424	5043655.115	131.803	7350931.043	5044657.874	0.712	0.429	43.988	7350931.755	5044658.303	87.815
348	34350545.633	5043653.645	131.797	7350930.251	5044656.404	0.713	0.429	43.988	7350930.964	5044656.833	87.809
349	34350544.138	5043651.804	131.790	7350928.756	5044654.562	0.712	0.429	43.988	7350929.468	5044654.991	87.802
350	34350557.688	5043643.349	131.797	7350942.310	5044646.105	0.712	0.429	43.988	7350943.022	5044646.534	87.809
351	34350564.261	5043636.071	131.725	7350948.885	5044638.825	0.712	0.429	43.988	7350949.597	5044639.254	87.737
352	34350565.425	5043637.628	131.713	7350950.050	5044640.382	0.711	0.429	43.987	7350950.761	5044640.811	87.726
353	34350567.211	5043640.014	131.850	7350951.836	5044642.769	0.712	0.429	43.987	7350952.548	5044643.198	87.863
354	34350570.815	5043644.791	131.630	7350955.441	5044647.548	0.711	0.429	43.987	7350956.152	5044647.977	87.643
355	34350571.934	5043647.128	131.286	7350956.560	5044649.885	0.712	0.429	43.987	7350957.272	5044650.314	87.299
356	34350574.610	5043651.127	129.836	7350959.237	5044653.886	0.711	0.428	43.987	7350959.948	5044654.314	85.849
357	34350579.653	5043658.932	128.033	7350964.281	5044661.693	0.712	0.429	43.987	7350964.993	5044662.122	84.046
358	34350590.373	5043673.815	125.929	7350975.004	5044676.581	0.711	0.428	43.987	7350975.715	5044677.009	81.942
359	34350609.341	5043658.213	126.070	7350993.978	5044660.975	0.711	0.428	43.987	7350994.689	5044661.403	82.083
360	34350600.195	5043646.035	127.720	7350984.830	5044648.793	0.710	0.428	43.987	7350985.540	5044649.221	83.733
361	34350593.720	5043637.903	129.679	7350978.353	5044640.658	0.711	0.429	43.987	7350979.064	5044641.087	85.692
362	34350590.710	5043634.153	131.339	7350975.342	5044636.907	0.711	0.429	43.987	7350976.053	5044637.336	87.352
363	34350589.428	5043632.149	131.633	7350974.060	5044634.902	0.711	0.429	43.987	7350974.771	5044635.331	87.646
364	34350585.898	5043627.263	131.763	7350970.529	5044630.015	0.711	0.429	43.987	7350971.240	5044630.444	87.776
365	34350583.971	5043624.774	131.760	7350968.602	5044627.525	0.710	0.429	43.987	7350969.312	5044627.954	87.773
366	34350582.643	5043623.022	131.633	7350967.273	5044625.773	0.711	0.428	43.987	7350967.984	5044626.201	87.646
367	34350587.773	5043621.880	131.658	7350972.405	5044624.630	0.710	0.429	43.987	7350973.115	5044625.059	87.671
368	34350586.627	5043620.432	131.577	7350971.259	5044623.182	0.710	0.429	43.987	7350971.969	5044623.611	87.590
369	34350594.452	5043616.318	131.661	7350979.086	5044619.067	0.710	0.428	43.987	7350979.796	5044619.495	87.674
370	34350593.138	5043614.731	131.618	7350977.772	5044617.479	0.710	0.429	43.987	7350978.482	5044617.908	87.631
371	34350595.021	5043611.957	131.555	7350979.655	5044614.705	0.710	0.428	43.987	7350980.365	5044615.133	87.568
372	34350597.094	5043612.895	131.590	7350981.729	5044615.643	0.710	0.429	43.987	7350982.439	5044616.072	87.603
373	34350599.083	5043609.163	131.544	7350983.719	5044611.910	0.710	0.428	43.987	7350984.429	5044612.338	87.557
374	34350597.190	5043608.207	131.563	7350981.825	5044610.954	0.710	0.428	43.987	7350982.535	5044611.382	87.576
375	34350597.106	5043603.755	131.404	7350981.741	5044606.500	0.710	0.429	43.987	7350982.451	5044606.929	87.417
376	34350600.082	5043604.186	131.489	7350984.718	5044606.931	0.710	0.429	43.987	7350985.428	5044607.360	87.502
377	34350599.900	5043599.818	131.453	7350984.536	5044602.562	0.710	0.429	43.987	7350985.246	5044602.991	87.466
378	34350596.774	5043599.904	131.337	7350981.409	5044602.648	0.710	0.429	43.987	7350982.119	5044603.077	87.350
379	34350595.185	5043595.295	131.181	7350979.820	5044598.038	0.710	0.428	43.987	7350980.530	5044598.466	87.194
380	34350598.193	5043594.159	131.353	7350982.829	5044596.901	0.710	0.429	43.987	7350983.539	5044597.330	87.366
381	34350595.892	5043590.055	131.238	7350980.527	5044592.796	0.710	0.429	43.987	7350981.237	5044593.225	87.251
382	34350593.187	5043591.432	130.987	7350977.821	5044594.173	0.710	0.429	43.987	7350978.531	5044594.602	87.000
383	34350589.487	5043585.859	130.942	7350974.120	5044588.599	0.711	0.429	43.987	7350974.831	5044589.028	86.955
384	34350590.852	5043582.760	130.973	7350975.486	5044585.499	0.710	0.429	43.987	7350976.196	5044585.928	86.986
385	34350596.220	5043578.141	130.843	7350980.856	5044580.879	0.710	0.429	43.987	7350981.566	5044581.308	86.856
386	34350597.822	5043576.844	130.754	7350982.458	5044579.581	0.710	0.429	43.987	7350983.168	5044580.010	86.767
387	34350601.215	5043581.345	130.787	7350985.852	5044584.084	0.710	0.428	43.987	7350986.562	5044584.512	86.800
388	34350599.549	5043582.595	130.955	7350984.186	5044585.334	0.709	0.429	43.987	7350984.895	5044585.763	86.968
389	34350600.246	5043583.625	130.965	7350984.883	5044586.364	0.710	0.429	43.987	7350985.593	5044586.793	86.978
390	34350601.165	5043583.544	131.122	7350985.802	5044586.283	0.710	0.429	43.987	7350986.512	5044586.712	87.135



391	34350602.971	5043584.586	131.103	7350987.609	5044587.326	0.709	0.428	43.987	7350988.318	5044587.754	87.116
392	34350602.882	5043587.176	131.091	7350987.519	5044589.917	0.710	0.428	43.987	7350988.229	5044590.345	87.104
393	34350604.386	5043585.996	131.134	7350989.024	5044588.736	0.710	0.429	43.987	7350989.734	5044589.165	87.147
394	34350605.821	5043590.538	131.209	7350990.459	5044593.280	0.710	0.428	43.987	7350991.169	5044593.708	87.222
395	34350607.104	5043589.165	131.304	7350991.743	5044591.906	0.709	0.429	43.987	7350992.452	5044592.335	87.317
396	34350608.981	5043593.216	131.317	7350993.620	5044595.959	0.710	0.428	43.987	7350994.330	5044596.387	87.330
397	34350610.296	5043591.609	131.380	7350994.936	5044594.351	0.709	0.429	43.987	7350995.645	5044594.780	87.393
398	34350612.273	5043595.024	131.395	7350996.913	5044597.767	0.709	0.429	43.987	7350997.622	5044598.196	87.408
399	34350613.209	5043593.070	131.419	7350997.849	5044595.813	0.710	0.428	43.987	7350998.559	5044596.241	87.432
400	34350615.654	5043593.711	131.525	7351000.295	5044596.454	0.709	0.428	43.987	7351001.004	5044596.882	87.538
401	34350615.008	5043596.127	131.420	7350999.649	5044598.871	0.709	0.428	43.987	7351000.358	5044599.299	87.433
402	34350620.132	5043596.965	131.535	7351004.774	5044599.709	0.710	0.428	43.987	7351005.484	5044600.137	87.548
403	34350619.422	5043594.398	131.506	7351004.064	5044597.141	0.709	0.428	43.987	7351004.773	5044597.569	87.519
404	34350625.049	5043596.615	131.610	7351009.693	5044599.359	0.709	0.428	43.987	7351010.402	5044599.787	87.623
405	34350623.010	5043593.681	131.531	7351007.653	5044596.424	0.709	0.428	43.987	7351008.362	5044596.852	87.544
406	34350626.516	5043592.363	131.325	7351011.160	5044595.106	0.709	0.428	43.987	7351011.869	5044595.534	87.338
407	34350629.276	5043595.301	131.661	7351013.921	5044598.045	0.709	0.428	43.987	7351014.630	5044598.473	87.674
408	34350634.341	5043593.084	131.718	7351018.988	5044595.827	0.708	0.428	43.987	7351019.696	5044596.255	87.731
409	34350632.308	5043589.317	131.349	7351016.954	5044592.059	0.709	0.428	43.987	7351017.663	5044592.487	87.362
410	34350637.434	5043598.404	131.641	7351022.081	5044601.149	0.709	0.428	43.987	7351022.790	5044601.577	87.654
411	34350635.992	5043603.487	131.200	7351020.639	5044606.233	0.709	0.428	43.987	7351021.348	5044606.661	87.213
412	34350639.295	5043607.331	129.328	7351023.943	5044610.079	0.709	0.427	43.987	7351024.652	5044610.506	85.341
413	34350646.057	5043616.402	127.579	7351030.706	5044619.153	0.709	0.427	43.987	7351031.415	5044619.580	83.592
414	34350657.686	5043632.543	125.629	7351042.338	5044635.299	0.709	0.427	43.986	7351043.047	5044635.726	81.643
415	34350631.271	5043644.942	126.067	7351015.915	5044647.701	0.710	0.427	43.987	7351016.625	5044648.128	82.080
416	34350625.645	5043632.803	127.221	7351010.288	5044635.558	0.709	0.428	43.987	7351010.997	5044635.986	83.234
417	34350618.642	5043621.089	129.339	7351003.283	5044623.840	0.710	0.428	43.987	7351003.993	5044624.268	85.352
418	34350615.846	5043616.657	131.181	7351000.486	5044619.407	0.710	0.428	43.987	7351001.196	5044619.835	87.194
419	34350614.455	5043614.832	131.528	7350999.095	5044617.581	0.710	0.428	43.987	7350999.805	5044618.009	87.541
420	34350575.135	5043595.607	124.914	7350959.764	5044598.349	0.710	0.429	43.988	7350960.474	5044598.778	80.926
421	34350573.138	5043598.253	124.899	7350957.766	5044600.996	0.711	0.429	43.988	7350958.477	5044601.425	80.911
422	34350570.588	5043605.783	125.108	7350955.215	5044608.528	0.711	0.429	43.988	7350955.926	5044608.957	81.120
423	34350581.260	5043605.348	127.115	7350965.890	5044608.093	0.711	0.429	43.987	7350966.601	5044608.522	83.128
424	34350581.229	5043557.761	130.397	7350965.861	5044560.492	0.710	0.430	43.988	7350966.571	5044560.922	86.409
425	34350582.344	5043555.517	130.151	7350966.976	5044558.247	0.711	0.430	43.988	7350967.687	5044558.677	86.163
426	34350580.607	5043556.577	130.388	7350965.239	5044559.308	0.710	0.429	43.988	7350965.949	5044559.737	86.400
427	34350575.089	5043561.105	130.545	7350959.719	5044563.837	0.710	0.429	43.988	7350960.429	5044564.266	86.557
428	34350573.200	5043562.655	130.438	7350957.829	5044565.387	0.711	0.430	43.988	7350958.540	5044565.817	86.450
429	34350562.026	5043548.364	130.079	7350946.652	5044551.092	0.711	0.430	43.988	7350947.363	5044551.522	86.091
430	34350562.248	5043545.880	130.291	7350946.875	5044548.607	0.710	0.430	43.988	7350947.585	5044549.037	86.303
431	34350569.840	5043540.299	130.193	7350954.469	5044543.025	0.711	0.429	43.988	7350955.180	5044543.454	86.205
432	34350572.098	5043541.736	129.959	7350956.728	5044544.462	0.710	0.430	43.988	7350957.438	5044544.892	85.971
433	34350569.234	5043537.969	130.003	7350953.863	5044540.694	0.711	0.430	43.988	7350954.574	5044541.124	86.015
434	34350568.156	5043538.821	130.052	7350952.785	5044541.546	0.710	0.430	43.988	7350953.495	5044541.976	86.064
435	34350567.715	5043539.237	129.955	7350952.343	5044541.962	0.711	0.430	43.988	7350953.054	5044542.392	85.967
436	34350561.818	5043543.238	130.119	7350946.445	5044545.964	0.710	0.430	43.988	7350947.155	5044546.394	86.131
437	34350561.388	5043543.573	130.164	7350946.014	5044546.299	0.711	0.430	43.988	7350946.725	5044546.729	86.176
438	34350559.529	5043544.801	130.018	7350944.155	5044547.528	0.711	0.430	43.988	7350944.866	5044547.958	86.030
439	34350564.086	5043532.868	129.941	7350948.714	5044535.591	0.710	0.430	43.988	7350949.424	5044536.021	85.953



440	34350562.120	5043531.586	129.796	7350946.747	5044534.309	0.711	0.430	43.988	7350947.458	5044534.739	85.808
441	34350562.905	5043529.607	129.684	7350947.532	5044532.329	0.711	0.430	43.988	7350948.243	5044532.759	85.696
442	34350561.266	5043530.501	129.790	7350945.893	5044533.223	0.711	0.431	43.988	7350946.604	5044533.654	85.802
443	34350558.588	5043538.777	129.982	7350943.214	5044541.502	0.711	0.430	43.988	7350943.925	5044541.932	85.994
444	34350556.262	5043540.447	130.040	7350940.887	5044543.172	0.711	0.430	43.988	7350941.598	5044543.602	86.052
445	34350554.351	5043537.965	129.947	7350938.975	5044540.689	0.712	0.431	43.988	7350939.687	5044541.120	85.959
446	34350556.692	5043536.223	129.921	7350941.317	5044538.947	0.711	0.430	43.988	7350942.028	5044539.377	85.933
447	34350543.670	5043523.791	129.655	7350928.292	5044526.511	0.711	0.431	43.988	7350929.003	5044526.942	85.667
448	34350546.145	5043521.900	129.837	7350930.768	5044524.619	0.711	0.431	43.988	7350931.479	5044525.050	85.849
449	34350551.765	5043517.676	129.718	7350936.389	5044520.394	0.711	0.431	43.988	7350937.100	5044520.825	85.730
450	34350553.475	5043516.337	129.635	7350938.100	5044519.055	0.711	0.431	43.988	7350938.811	5044519.486	85.647
451	34350542.825	5043505.470	129.561	7350927.447	5044508.184	0.711	0.431	43.988	7350928.158	5044508.615	85.573
452	34350543.755	5043503.396	129.272	7350928.377	5044506.110	0.712	0.431	43.988	7350929.089	5044506.541	85.284
453	34350542.036	5043504.456	129.542	7350926.658	5044507.170	0.711	0.431	43.988	7350927.369	5044507.601	85.554
454	34350532.973	5043492.169	129.370	7350917.593	5044494.879	0.711	0.431	43.988	7350918.304	5044495.310	85.382
455	34350533.911	5043490.094	129.249	7350918.531	5044492.804	0.711	0.431	43.988	7350919.242	5044493.235	85.261
456	34350532.271	5043491.097	129.444	7350916.890	5044493.807	0.712	0.431	43.989	7350917.602	5044494.238	85.455
457	34350527.387	5043483.316	129.510	7350912.005	5044486.023	0.712	0.432	43.989	7350912.717	5044486.455	85.521
458	34350526.065	5043482.772	129.412	7350910.683	5044485.479	0.711	0.432	43.989	7350911.394	5044485.911	85.423
459	34350526.178	5043481.496	129.409	7350910.796	5044484.203	0.711	0.431	43.989	7350911.507	5044484.634	85.420
460	34350526.890	5043480.048	129.320	7350911.508	5044482.754	0.712	0.432	43.989	7350912.220	5044483.186	85.331
461	34350528.157	5043481.415	129.371	7350912.775	5044484.122	0.712	0.431	43.989	7350913.487	5044484.553	85.382
462	34350541.197	5043470.059	128.919	7350925.820	5044472.763	0.711	0.431	43.989	7350926.531	5044473.194	84.930
463	34350537.284	5043460.369	129.111	7350921.906	5044463.070	0.711	0.432	43.989	7350922.617	5044463.502	85.122
464	34350520.907	5043471.880	129.282	7350905.524	5044474.584	0.711	0.432	43.989	7350906.235	5044475.016	85.293
465	34350540.998	5043478.849	126.075	7350925.620	5044481.555	0.712	0.432	43.988	7350926.332	5044481.987	82.087
466	34350547.546	5043473.436	125.803	7350932.170	5044476.141	0.712	0.431	43.988	7350932.882	5044476.572	81.815
467	34350552.294	5043493.065	125.759	7350936.919	5044495.776	0.711	0.431	43.988	7350937.630	5044496.207	81.771
468	34350560.930	5043492.348	125.612	7350945.558	5044495.059	0.711	0.431	43.988	7350946.269	5044495.490	81.624
469	34350574.753	5043525.113	126.135	7350959.384	5044527.834	0.710	0.430	43.988	7350960.094	5044528.264	82.147
470	34350603.267	5043567.322	127.024	7350987.905	5044570.057	0.710	0.429	43.987	7350988.615	5044570.486	83.037
471	34350612.122	5043562.823	126.355	7350996.763	5044565.557	0.709	0.428	43.987	7350997.472	5044565.985	82.368
472	34350613.121	5043564.263	126.360	7350997.762	5044566.997	0.710	0.429	43.987	7350998.472	5044567.426	82.373
473	34350614.753	5043563.268	126.281	7350999.395	5044566.002	0.709	0.429	43.987	7351000.104	5044566.431	82.294
474	34350611.364	5043571.545	126.305	7350996.004	5044574.281	0.710	0.429	43.987	7350996.714	5044574.710	82.318
475	34350618.096	5043575.987	126.372	7351002.738	5044578.725	0.710	0.428	43.987	7351003.448	5044579.153	82.385
476	34350604.600	5043548.614	126.107	7350989.239	5044551.343	0.710	0.429	43.987	7350989.949	5044551.772	82.120
477	34350597.250	5043551.630	126.185	7350981.887	5044554.360	0.710	0.429	43.988	7350982.597	5044554.789	82.197
478	34350592.419	5043522.860	126.205	7350977.055	5044525.581	0.710	0.430	43.988	7350977.765	5044526.011	82.217
479	34350582.547	5043530.562	125.845	7350967.180	5044533.285	0.710	0.430	43.988	7350967.890	5044533.715	81.857
480	34350582.876	5043521.002	125.838	7350967.510	5044523.722	0.710	0.430	43.988	7350968.220	5044524.152	81.850
481	34350584.493	5043519.814	125.977	7350969.127	5044522.534	0.710	0.430	43.988	7350969.837	5044522.964	81.989
482	34350583.439	5043518.232	125.834	7350968.073	5044520.951	0.710	0.430	43.988	7350968.783	5044521.381	81.846
483	34350536.568	5043508.911	129.675	7350921.188	5044511.626	0.712	0.431	43.988	7350921.900	5044512.057	85.687
484	34350533.255	5043509.925	129.550	7350917.874	5044512.640	0.712	0.432	43.988	7350918.586	5044513.072	85.562
485	34350533.358	5043505.310	129.569	7350917.977	5044508.024	0.712	0.431	43.988	7350918.689	5044508.455	85.581
486	34350528.815	5043501.137	129.518	7350913.433	5044503.850	0.712	0.431	43.989	7350914.145	5044504.281	85.529
487	34350523.179	5043496.822	129.559	7350907.795	5044499.533	0.712	0.432	43.989	7350908.507	5044499.965	85.570
488	34350521.916	5043497.888	129.645	7350906.532	5044500.600	0.712	0.431	43.989	7350907.244	5044501.031	85.656



489	34350522.226	5043499.578	129.554	7350906.842	5044502.290	0.712	0.431	43.989	7350907.554	5044502.721	85.565
490	34350518.552	5043493.807	129.683	7350903.167	5044496.517	0.712	0.432	43.989	7350903.879	5044496.949	85.694
491	34350518.116	5043496.576	129.687	7350902.731	5044499.287	0.712	0.432	43.989	7350903.443	5044499.719	85.698
492	34350498.398	5043480.886	129.480	7350883.008	5044483.592	0.712	0.432	43.989	7350883.720	5044484.024	85.491
493	34350493.957	5043477.748	129.487	7350878.565	5044480.453	0.713	0.432	43.989	7350879.278	5044480.885	85.498
494	34350490.596	5043475.103	129.525	7350875.203	5044477.807	0.713	0.432	43.989	7350875.916	5044478.239	85.536
495	34350488.862	5043476.047	129.330	7350873.469	5044478.751	0.712	0.433	43.989	7350874.181	5044479.184	85.341
496	34350489.646	5043474.267	129.456	7350874.253	5044476.971	0.713	0.432	43.989	7350874.966	5044477.403	85.467
497	34350487.500	5043475.147	129.403	7350872.107	5044477.851	0.712	0.432	43.989	7350872.819	5044478.283	85.414
498	34350487.706	5043472.018	129.514	7350872.313	5044474.721	0.712	0.432	43.989	7350873.025	5044475.153	85.525
499	34350484.902	5043468.657	129.521	7350869.508	5044471.359	0.712	0.432	43.989	7350870.220	5044471.791	85.532
500	34350479.144	5043460.764	129.512	7350863.748	5044463.463	0.713	0.433	43.989	7350864.461	5044463.896	85.523
501	34350478.509	5043461.146	129.664	7350863.113	5044463.845	0.713	0.433	43.989	7350863.826	5044464.278	85.675
502	34350469.593	5043457.441	129.286	7350854.195	5044460.139	0.713	0.433	43.989	7350854.908	5044460.572	85.297
503	34350465.518	5043451.310	129.396	7350850.119	5044454.006	0.713	0.433	43.989	7350850.832	5044454.439	85.407
504	34350464.824	5043450.520	129.345	7350849.425	5044453.216	0.712	0.433	43.989	7350850.137	5044453.649	85.356
505	34350466.421	5043451.204	129.356	7350851.022	5044453.900	0.713	0.433	43.989	7350851.735	5044454.333	85.367
506	34350465.188	5043452.199	129.303	7350849.789	5044454.895	0.713	0.434	43.989	7350850.502	5044455.329	85.314
507	34350466.423	5043444.679	129.614	7350851.024	5044447.373	0.713	0.433	43.989	7350851.737	5044447.806	85.625
508	34350466.324	5043442.928	129.466	7350850.925	5044445.621	0.713	0.434	43.989	7350851.638	5044446.055	85.477
509	34350465.704	5043443.531	129.661	7350850.305	5044446.225	0.713	0.433	43.989	7350851.018	5044446.658	85.672
510	34350465.554	5043443.530	129.666	7350850.155	5044446.224	0.713	0.433	43.989	7350850.868	5044446.657	85.677
511	34350462.916	5043438.681	129.437	7350847.516	5044441.373	0.713	0.434	43.990	7350848.229	5044441.807	85.447
512	34350461.839	5043437.651	129.401	7350846.439	5044440.343	0.713	0.433	43.990	7350847.152	5044440.776	85.411
513	34350458.426	5043440.464	129.449	7350843.025	5044443.157	0.713	0.433	43.990	7350843.738	5044443.590	85.459
SP4	34350470.709	5043409.124	129.423	7350855.313	5044411.808	0.712	0.434	43.990	7350856.025	5044412.242	85.433
SP4	34350470.716	5043409.094	129.408	7350855.320	5044411.778	0.712	0.434	43.990	7350856.032	5044412.212	85.418
SP4	34350470.709	5043409.107	129.420	7350855.313	5044411.791	0.712	0.434	43.990	7350856.025	5044412.225	85.430
SP5	34350432.855	5043437.056	129.329	7350817.446	5044439.747	0.714	0.434	43.990	7350818.160	5044440.181	85.339
SP5	34350432.859	5043437.066	129.346	7350817.450	5044439.757	0.714	0.434	43.990	7350818.164	5044440.191	85.356
SP5	34350432.861	5043437.046	129.334	7350817.452	5044439.737	0.714	0.434	43.990	7350818.166	5044440.171	85.344
SP6	34350332.993	5043483.369	129.488	7350717.553	5044486.070	0.716	0.437	43.991	7350718.269	5044486.507	85.497
SP6	34350332.983	5043483.366	129.480	7350717.543	5044486.067	0.716	0.437	43.991	7350718.259	5044486.504	85.489
SP6	34350332.986	5043483.356	129.484	7350717.546	5044486.057	0.716	0.437	43.991	7350718.262	5044486.494	85.493
SP7	34350387.089	5043321.114	129.671	7350771.670	5044323.769	0.714	0.437	43.991	7350772.384	5044324.206	85.680
SP7	34350387.092	5043321.114	129.667	7350771.673	5044323.769	0.714	0.437	43.991	7350772.387	5044324.206	85.676
SP7	34350387.100	5043321.117	129.660	7350771.681	5044323.772	0.714	0.437	43.991	7350772.395	5044324.209	85.669
SP9	34350422.910	5043485.370	126.862	7350807.497	5044488.075	0.714	0.434	43.990	7350808.211	5044488.509	82.872
SP9	34350422.902	5043485.378	126.868	7350807.489	5044488.083	0.714	0.434	43.990	7350808.203	5044488.517	82.878
SP9	34350422.903	5043485.391	126.870	7350807.490	5044488.096	0.714	0.434	43.990	7350808.204	5044488.530	82.880
SP10	34350418.276	5043375.797	129.512	7350802.865	5044378.469	0.714	0.436	43.990	7350803.579	5044378.905	85.522
SP10	34350418.279	5043375.802	129.513	7350802.868	5044378.474	0.714	0.436	43.990	7350803.582	5044378.910	85.523
SP10	34350418.285	5043375.801	129.505	7350802.874	5044378.473	0.714	0.436	43.990	7350803.588	5044378.909	85.515
SP11	34350355.549	5043375.863	129.710	7350740.119	5044378.533	0.715	0.438	43.991	7350740.834	5044378.971	85.719
SP11	34350355.547	5043375.861	129.707	7350740.117	5044378.531	0.715	0.438	43.991	7350740.832	5044378.969	85.716
SP11	34350355.554	5043375.855	129.713	7350740.124	5044378.525	0.715	0.438	43.991	7350740.839	5044378.963	85.722
SP12A	34350436.087	5043532.802	127.910	7350820.676	5044535.521	0.714	0.433	43.989	7350821.390	5044535.954	83.921
SP12A	34350436.094	5043532.800	127.912	7350820.683	5044535.519	0.714	0.433	43.989	7350821.397	5044535.952	83.923
SP12A	34350436.089	5043532.798	127.908	7350820.678	5044535.517	0.714	0.433	43.989	7350821.392	5044535.950	83.919



1279	34350470.682	5043409.293	129.440	7350855.286	5044411.977	0.712	0.434	43.990	7350855.998	5044412.411	85.450
1280	34350473.741	5043406.804	129.325	7350858.346	5044409.487	0.712	0.434	43.990	7350859.058	5044409.921	85.335
1281	34350365.252	5043510.701	126.363	7350749.821	5044513.412	0.715	0.435	43.990	7350750.536	5044513.847	82.373
1282	34350379.376	5043497.382	127.982	7350763.950	5044500.089	0.715	0.435	43.990	7350764.665	5044500.524	83.992
1283	34350378.213	5043494.619	128.335	7350762.786	5044497.325	0.715	0.435	43.990	7350763.501	5044497.760	84.345
1284	34350376.143	5043492.819	128.345	7350760.716	5044495.525	0.715	0.435	43.990	7350761.431	5044495.960	84.355
1285	34350374.561	5043490.931	129.556	7350759.133	5044493.636	0.715	0.435	43.990	7350759.848	5044494.071	85.566
1286	34350388.011	5043489.277	127.089	7350772.588	5044491.982	0.714	0.435	43.990	7350773.302	5044492.417	83.099
1287	34350394.203	5043481.235	128.251	7350778.782	5044483.938	0.714	0.434	43.990	7350779.496	5044484.372	84.261
1288	34350385.242	5043512.331	127.554	7350769.817	5044515.043	0.715	0.434	43.990	7350770.532	5044515.477	83.564
1289	34350361.201	5043526.754	124.350	7350745.768	5044529.469	0.716	0.435	43.990	7350746.484	5044529.904	80.360
1290	34350364.538	5043524.957	126.256	7350749.106	5044527.672	0.716	0.435	43.990	7350749.822	5044528.107	82.266
1291	34350314.950	5043506.724	124.871	7350699.504	5044509.432	0.717	0.436	43.991	7350700.221	5044509.868	80.880
1292	34350295.103	5043516.567	124.914	7350679.651	5044519.277	0.717	0.437	43.991	7350680.368	5044519.714	80.923
1293	34350285.167	5043527.429	125.004	7350669.712	5044530.142	0.717	0.437	43.991	7350670.429	5044530.579	81.013
1294	34350289.410	5043541.866	124.676	7350673.956	5044544.584	0.717	0.436	43.991	7350674.673	5044545.020	80.685
1295	34350269.316	5043552.964	124.736	7350653.855	5044555.684	0.718	0.437	43.991	7350654.573	5044556.121	80.745
1296	34350254.240	5043559.702	124.645	7350638.775	5044562.424	0.717	0.437	43.991	7350639.492	5044562.861	80.654
1297	34350249.429	5043536.450	124.632	7350633.963	5044539.165	0.718	0.438	43.991	7350634.681	5044539.603	80.641
1298	34350242.937	5043514.441	124.744	7350627.470	5044517.149	0.718	0.438	43.992	7350628.188	5044517.587	80.752
1299	34350223.757	5043547.796	124.684	7350608.283	5044550.513	0.718	0.439	43.992	7350609.001	5044550.952	80.692
1300	34350209.658	5043528.048	125.240	7350594.180	5044530.759	0.719	0.439	43.992	7350594.899	5044531.198	81.248
1301	34350189.128	5043545.834	125.317	7350573.644	5044548.550	0.719	0.439	43.992	7350574.363	5044548.989	81.325
SP12	34350127.705	5043874.643	128.286	7350512.192	5044877.455	0.727	0.440	43.991	7350512.919	5044877.895	84.295
SP12	34350127.717	5043874.655	128.307	7350512.204	5044877.467	0.727	0.440	43.991	7350512.931	5044877.907	84.316
SP12	34350127.708	5043874.648	128.310	7350512.195	5044877.460	0.727	0.440	43.991	7350512.922	5044877.900	84.319
1302	34350166.379	5043885.906	124.175	7350550.878	5044888.722	0.725	0.439	43.991	7350551.603	5044889.161	80.184
1303	34350174.203	5043871.210	124.475	7350558.704	5044874.022	0.725	0.439	43.991	7350559.429	5044874.461	80.484
1304	34350185.019	5043860.527	124.249	7350569.524	5044863.336	0.725	0.439	43.991	7350570.249	5044863.775	80.258
1305	34350180.885	5043849.474	124.135	7350565.389	5044852.280	0.725	0.438	43.991	7350566.114	5044852.718	80.144
1306	34350202.015	5043841.609	123.878	7350586.525	5044844.413	0.724	0.438	43.991	7350587.249	5044844.851	79.887
1307	34350229.979	5043823.313	124.734	7350614.498	5044826.113	0.723	0.437	43.990	7350615.221	5044826.550	80.744
1308	34350219.130	5043809.735	124.607	7350603.647	5044812.530	0.722	0.438	43.991	7350604.369	5044812.968	80.616
1309	34350208.573	5043785.930	124.568	7350593.087	5044788.718	0.723	0.437	43.991	7350593.810	5044789.155	80.577
1310	34350199.143	5043783.841	125.099	7350583.654	5044786.628	0.723	0.438	43.991	7350584.377	5044787.066	81.108
1311	34350179.717	5043795.582	124.493	7350564.222	5044798.372	0.724	0.438	43.991	7350564.946	5044798.810	80.502
1312	34350168.333	5043803.619	124.391	7350552.835	5044806.411	0.724	0.439	43.991	7350553.559	5044806.850	80.400
1313	34350155.019	5043785.839	124.442	7350539.517	5044788.625	0.724	0.439	43.991	7350540.241	5044789.064	80.451
1314	34350142.354	5043812.975	124.647	7350526.848	5044815.769	0.724	0.439	43.991	7350527.572	5044816.208	80.656
1315	34350187.691	5043767.740	124.602	7350572.199	5044770.522	0.723	0.438	43.991	7350572.922	5044770.960	80.611
1316	34350182.630	5043756.777	124.496	7350567.137	5044759.555	0.723	0.439	43.991	7350567.860	5044759.994	80.505
1317	34350168.277	5043733.674	124.830	7350552.781	5044736.445	0.722	0.439	43.991	7350553.503	5044736.884	80.839
1318	34350190.604	5043711.823	124.489	7350575.115	5044714.588	0.722	0.438	43.991	7350575.837	5044715.026	80.498
1319	34350185.150	5043702.806	125.092	7350569.660	5044705.568	0.721	0.439	43.991	7350570.381	5044706.007	81.101
1320	34350183.605	5043683.509	124.985	7350568.115	5044686.266	0.721	0.438	43.992	7350568.836	5044686.704	80.993
1321	34350193.892	5043666.723	124.637	7350578.405	5044669.475	0.721	0.438	43.991	7350579.126	5044669.913	80.646
1322	34350213.733	5043682.660	124.792	7350598.252	5044685.417	0.720	0.438	43.991	7350598.972	5044685.855	80.801
1323	34350229.995	5043689.314	124.827	7350614.518	5044692.074	0.721	0.437	43.991	7350615.239	5044692.511	80.836
1324	34350228.008	5043706.441	124.537	7350612.530	5044709.206	0.721	0.437	43.991	7350613.251	5044709.643	80.546



1325	34350236.379	5043720.639	124.517	7350620.903	5044723.408	0.721	0.437	43.991	7350621.624	5044723.845	80.526
1326	34350238.603	5043722.856	124.023	7350623.128	5044725.626	0.721	0.437	43.991	7350623.849	5044726.063	80.032
1327	34350242.928	5043723.742	124.590	7350627.454	5044726.512	0.721	0.437	43.991	7350628.175	5044726.949	80.599
1328	34350260.938	5043701.410	124.472	7350645.470	5044704.174	0.720	0.436	43.991	7350646.190	5044704.610	80.481
1329	34350273.895	5043722.160	124.613	7350658.430	5044724.931	0.720	0.436	43.990	7350659.150	5044725.367	80.623
1330	34350286.141	5043731.728	124.781	7350670.680	5044734.502	0.720	0.435	43.990	7350671.400	5044734.937	80.791
1331	34350301.978	5043741.978	124.687	7350686.521	5044744.756	0.720	0.434	43.990	7350687.241	5044745.190	80.697
1332	34350283.476	5043749.424	124.970	7350668.014	5044752.203	0.720	0.436	43.990	7350668.734	5044752.639	80.980
1333	34350268.902	5043766.562	124.843	7350653.435	5044769.346	0.720	0.436	43.990	7350654.155	5044769.782	80.853
1334	34350299.446	5043764.735	124.179	7350683.988	5044767.519	0.720	0.435	43.990	7350684.708	5044767.954	80.189
1335	34350310.026	5043735.646	124.618	7350694.572	5044738.422	0.719	0.435	43.990	7350695.291	5044738.857	80.628
SP13	34350106.373	5043834.381	128.263	7350490.855	5044837.180	0.726	0.441	43.992	7350491.581	5044837.621	84.271
SP13	34350106.370	5043834.383	128.261	7350490.852	5044837.182	0.726	0.441	43.992	7350491.578	5044837.623	84.269
SP13	34350106.367	5043834.376	128.257	7350490.849	5044837.175	0.726	0.441	43.992	7350491.575	5044837.616	84.265
SP14	34350078.153	5043788.612	128.073	7350462.628	5044791.397	0.726	0.441	43.992	7350463.354	5044791.838	84.081
SP14	34350078.149	5043788.606	128.067	7350462.624	5044791.391	0.726	0.441	43.992	7350463.350	5044791.832	84.075
SP14	34350078.148	5043788.612	128.070	7350462.623	5044791.397	0.726	0.441	43.992	7350463.349	5044791.838	84.078
SP15	34350054.154	5043748.520	128.124	7350438.623	5044751.292	0.726	0.442	43.993	7350439.349	5044751.734	84.131
SP15	34350054.150	5043748.522	128.117	7350438.619	5044751.294	0.726	0.442	43.993	7350439.345	5044751.736	84.124
SP15	34350054.146	5043748.518	128.119	7350438.615	5044751.290	0.726	0.442	43.993	7350439.341	5044751.732	84.126
SP16	34350029.240	5043709.277	128.008	7350413.703	5044712.036	0.725	0.443	43.993	7350414.428	5044712.479	84.015
SP16	34350029.242	5043709.281	128.007	7350413.705	5044712.040	0.725	0.443	43.993	7350414.430	5044712.483	84.014
SP16	34350029.238	5043709.282	128.015	7350413.701	5044712.041	0.725	0.443	43.993	7350414.426	5044712.484	84.022
1336	34350314.454	5043711.086	124.731	7350699.002	5044713.855	0.719	0.434	43.990	7350699.721	5044714.289	80.741
1337	34350297.491	5043696.418	124.500	7350682.034	5044699.182	0.719	0.435	43.990	7350682.753	5044699.617	80.510
1338	34350288.020	5043674.685	124.600	7350672.561	5044677.442	0.719	0.436	43.990	7350673.280	5044677.878	80.610
1339	34350293.645	5043664.474	124.870	7350678.188	5044667.228	0.718	0.435	43.990	7350678.906	5044667.663	80.880
1340	34350305.597	5043656.298	124.531	7350690.144	5044659.050	0.718	0.435	43.990	7350690.862	5044659.485	80.541
1341	34350329.738	5043661.997	124.431	7350714.292	5044664.752	0.717	0.434	43.990	7350715.009	5044665.186	80.441
1342	34350345.633	5043669.915	124.145	7350730.191	5044672.672	0.718	0.434	43.990	7350730.909	5044673.106	80.155
1343	34350349.122	5043668.250	124.221	7350733.682	5044671.007	0.717	0.434	43.990	7350734.399	5044671.441	80.231
1344	34350350.919	5043667.549	124.871	7350735.479	5044670.306	0.717	0.434	43.990	7350736.196	5044670.740	80.881
1345	34350351.148	5043651.548	124.597	7350735.709	5044654.300	0.716	0.434	43.990	7350736.425	5044654.734	80.607
1346	34350370.513	5043677.889	124.831	7350755.079	5044680.650	0.716	0.433	43.989	7350755.795	5044681.083	80.842
1347	34350381.850	5043705.712	123.504	7350766.418	5044708.481	0.717	0.433	43.989	7350767.135	5044708.914	79.515
1348	34350391.708	5043654.553	124.730	7350776.281	5044657.307	0.716	0.433	43.989	7350776.997	5044657.740	80.741
1349	34350413.423	5043642.939	124.605	7350798.002	5044645.690	0.716	0.432	43.989	7350798.718	5044646.122	80.616
1350	34350419.181	5043637.258	124.472	7350803.762	5044640.008	0.715	0.432	43.989	7350804.477	5044640.440	80.483
1351	34350430.524	5043617.513	124.684	7350815.109	5044620.257	0.715	0.432	43.989	7350815.824	5044620.689	80.695
1352	34350440.955	5043621.232	124.318	7350825.543	5044623.978	0.715	0.431	43.989	7350826.258	5044624.409	80.329
1353	34350351.297	5043633.438	123.390	7350735.858	5044636.185	0.717	0.433	43.990	7350736.575	5044636.618	79.400
1354	34350389.000	5043620.185	123.162	7350773.573	5044622.929	0.715	0.433	43.990	7350774.288	5044623.362	79.172
1355	34350416.597	5043607.202	123.083	7350801.178	5044609.943	0.715	0.432	43.989	7350801.893	5044610.375	79.094
1356	34350408.518	5043592.890	123.587	7350793.097	5044595.626	0.715	0.433	43.989	7350793.812	5044596.059	79.598
1357	34350393.728	5043600.469	123.792	7350778.303	5044603.207	0.715	0.433	43.990	7350779.018	5044603.640	79.802
1358	34350365.372	5043592.739	124.476	7350749.939	5044595.474	0.715	0.434	43.990	7350750.654	5044595.908	80.486
1359	34350325.431	5043594.024	124.380	7350709.986	5044596.758	0.716	0.435	43.990	7350710.702	5044597.193	80.390
1360	34350299.904	5043592.256	124.374	7350684.451	5044594.989	0.717	0.435	43.991	7350685.168	5044595.424	80.383
1361	34350272.959	5043603.685	124.737	7350657.498	5044606.420	0.717	0.437	43.991	7350658.215	5044606.857	80.746



1362	34350280.728	5043623.515	124.646	7350665.269	5044626.257	0.717	0.435	43.991	7350665.986	5044626.692	80.655
1363	34350249.671	5043628.127	124.833	7350634.202	5044630.869	0.719	0.437	43.991	7350634.921	5044631.306	80.842
1364	34350235.899	5043653.017	125.037	7350620.425	5044655.766	0.720	0.437	43.991	7350621.145	5044656.203	81.046
1365	34350213.209	5043619.626	124.843	7350597.730	5044622.364	0.719	0.438	43.991	7350598.449	5044622.802	80.852
1366	34350235.634	5043603.738	124.690	7350620.162	5044606.472	0.718	0.437	43.991	7350620.880	5044606.909	80.699
1367	34350275.023	5043582.570	124.943	7350659.563	5044585.299	0.718	0.437	43.991	7350660.281	5044585.736	80.952
1368	34350301.467	5043575.958	124.448	7350686.015	5044578.686	0.717	0.436	43.991	7350686.732	5044579.122	80.457
1369	34350325.791	5043568.431	124.589	7350710.347	5044571.158	0.716	0.435	43.990	7350711.063	5044571.593	80.599
1370	34350362.572	5043559.004	124.277	7350747.139	5044561.729	0.715	0.434	43.990	7350747.854	5044562.163	80.287
1371	34350306.179	5043472.582	129.460	7350690.732	5044475.279	0.716	0.438	43.991	7350691.448	5044475.717	85.469
1372	34350243.644	5043431.111	122.195	7350628.179	5044433.794	0.718	0.440	43.992	7350628.897	5044434.234	78.203
1373	34350221.037	5043436.119	122.162	7350605.565	5044438.803	0.719	0.440	43.992	7350606.284	5044439.243	78.170
1374	34350213.971	5043449.934	122.143	7350598.497	5044452.622	0.718	0.440	43.992	7350599.215	5044453.062	78.151
1375	34350184.565	5043490.750	122.148	7350569.081	5044493.449	0.719	0.441	43.992	7350569.800	5044493.890	78.156
1376	34350190.268	5043496.454	126.492	7350574.785	5044499.155	0.719	0.440	43.992	7350575.504	5044499.595	82.500
SP17	34349996.761	5043651.322	128.140	7350381.216	5044654.063	0.725	0.444	43.994	7350381.941	5044654.507	84.146
SP17	34349996.763	5043651.316	128.141	7350381.218	5044654.057	0.725	0.444	43.994	7350381.943	5044654.501	84.147
SP17	34349996.756	5043651.322	128.139	7350381.211	5044654.063	0.725	0.444	43.994	7350381.936	5044654.507	84.145
SP18	34350006.172	5043678.299	127.187	7350390.629	5044681.049	0.725	0.443	43.994	7350391.354	5044681.492	83.193
SP18	34350006.173	5043678.302	127.194	7350390.630	5044681.052	0.725	0.443	43.994	7350391.355	5044681.495	83.200
SP18	34350006.165	5043678.299	127.189	7350390.622	5044681.049	0.725	0.443	43.994	7350391.347	5044681.492	83.195
SP20	34350020.769	5043623.357	126.039	7350405.232	5044626.091	0.723	0.442	43.994	7350405.955	5044626.533	82.045
SP20	34350020.761	5043623.354	126.026	7350405.224	5044626.088	0.723	0.442	43.994	7350405.947	5044626.530	82.032
SP20	34350020.776	5043623.368	126.007	7350405.239	5044626.102	0.723	0.442	43.994	7350405.962	5044626.544	82.013
SP21	34349995.718	5043620.953	122.570	7350380.174	5044623.685	0.724	0.444	43.994	7350380.898	5044624.129	78.576
SP21	34349995.719	5043620.955	122.580	7350380.175	5044623.687	0.724	0.444	43.994	7350380.899	5044624.131	78.586
SP21	34349995.717	5043620.950	122.573	7350380.173	5044623.682	0.724	0.444	43.994	7350380.897	5044624.126	78.579
1437	34350900.605	5043592.766	125.704	7351285.331	5044595.517	0.703	0.423	43.984	7351286.034	5044595.940	81.720
1438	34350905.241	5043589.444	128.524	7351289.968	5044592.194	0.704	0.423	43.984	7351290.672	5044592.617	84.540
1439	34350907.042	5043588.013	128.894	7351291.770	5044590.763	0.703	0.423	43.984	7351292.473	5044591.186	84.910
1440	34350907.418	5043587.864	128.914	7351292.146	5044590.614	0.704	0.423	43.984	7351292.850	5044591.037	84.930
1441	34350913.344	5043583.754	128.982	7351298.074	5044586.503	0.704	0.423	43.984	7351298.778	5044586.926	84.998
1442	34350913.773	5043583.444	128.966	7351298.503	5044586.193	0.704	0.423	43.984	7351299.207	5044586.616	84.982
1443	34350917.743	5043580.190	128.697	7351302.474	5044582.938	0.704	0.423	43.984	7351303.178	5044583.361	84.713
1444	34350917.151	5043572.530	128.742	7351301.882	5044575.276	0.704	0.423	43.984	7351302.586	5044575.699	84.758
1445	34350921.741	5043569.111	127.922	7351306.474	5044571.856	0.704	0.423	43.984	7351307.178	5044572.279	83.938
1446	34350907.440	5043552.360	127.529	7351292.169	5044555.099	0.704	0.424	43.984	7351292.873	5044555.523	83.545
1447	34350904.201	5043554.562	128.577	7351288.929	5044557.302	0.704	0.423	43.984	7351289.633	5044557.725	84.593
1448	34350901.819	5043557.261	128.706	7351286.546	5044560.002	0.704	0.423	43.984	7351287.250	5044560.425	84.722
1449	34350898.567	5043560.334	129.227	7351283.293	5044563.076	0.704	0.423	43.984	7351283.997	5044563.499	85.243
1450	34350898.468	5043558.261	129.301	7351283.194	5044561.002	0.704	0.423	43.984	7351283.898	5044561.425	85.317
1451	34350913.893	5043553.601	127.421	7351298.624	5044556.341	0.704	0.423	43.984	7351299.328	5044556.764	83.437
1452	34350898.002	5043560.543	129.238	7351282.728	5044563.285	0.704	0.423	43.984	7351283.432	5044563.708	85.254
1453	34350891.666	5043564.272	129.085	7351276.390	5044567.015	0.704	0.423	43.984	7351277.094	5044567.438	85.101
1454	34350891.466	5043564.475	129.145	7351276.190	5044567.218	0.704	0.423	43.984	7351276.894	5044567.641	85.161
1455	34350889.683	5043565.268	128.785	7351274.406	5044568.011	0.704	0.423	43.984	7351275.110	5044568.434	84.801
1456	34350899.119	5043578.105	128.866	7351283.845	5044580.852	0.703	0.423	43.984	7351284.548	5044581.275	84.882
1457	34350897.249	5043575.031	128.878	7351281.974	5044577.777	0.704	0.423	43.984	7351282.678	5044578.200	84.894
1458	34350880.289	5043550.156	129.170	7351265.010	5044552.894	0.704	0.424	43.984	7351265.714	5044553.318	85.186



1459	34350874.676	5043542.759	129.179	7351259.396	5044545.495	0.704	0.424	43.984	7351260.100	5044545.919	85.195
1460	34350875.891	5043541.904	129.433	7351260.611	5044544.639	0.704	0.424	43.984	7351261.315	5044545.063	85.449
1461	34350876.429	5043541.554	129.348	7351261.149	5044544.289	0.704	0.424	43.984	7351261.853	5044544.713	85.364
1462	34350888.301	5043544.381	129.371	7351273.025	5044547.117	0.704	0.424	43.984	7351273.729	5044547.541	85.387
1463	34350881.921	5043537.341	129.853	7351266.643	5044540.075	0.704	0.424	43.984	7351267.347	5044540.499	85.869
1464	34350882.760	5043537.009	129.559	7351267.482	5044539.743	0.704	0.424	43.984	7351268.186	5044540.167	85.575
1465	34350884.304	5043536.224	129.359	7351269.027	5044538.958	0.704	0.424	43.984	7351269.731	5044539.382	85.375
1466	34350879.711	5043513.247	126.650	7351264.433	5044515.974	0.704	0.424	43.985	7351265.137	5044516.398	82.665
1467	34350876.743	5043516.012	128.685	7351261.464	5044518.740	0.704	0.424	43.985	7351262.168	5044519.164	84.700
1468	34350874.765	5043517.643	128.703	7351259.485	5044520.371	0.705	0.424	43.985	7351260.190	5044520.795	84.718
1469	34350872.786	5043520.270	129.841	7351257.506	5044522.999	0.704	0.424	43.985	7351258.210	5044523.423	85.856
1470	34350873.859	5043523.081	129.917	7351258.579	5044525.811	0.704	0.424	43.985	7351259.283	5044526.235	85.932
1471	34350870.741	5043519.837	129.972	7351255.460	5044522.566	0.704	0.424	43.985	7351256.164	5044522.990	85.987
1472	34350870.196	5043520.138	129.978	7351254.915	5044522.867	0.704	0.424	43.985	7351255.619	5044523.291	85.993
1473	34350863.917	5043524.373	129.645	7351248.634	5044527.103	0.704	0.424	43.985	7351249.338	5044527.527	85.660
1474	34350863.435	5043524.709	129.707	7351248.152	5044527.439	0.704	0.424	43.985	7351248.856	5044527.863	85.722
1475	34350862.213	5043525.493	129.488	7351246.929	5044528.223	0.705	0.424	43.985	7351247.634	5044528.647	85.503
1476	34350866.520	5043529.865	129.468	7351251.238	5044532.597	0.704	0.424	43.985	7351251.942	5044533.021	85.483
1477	34350857.784	5043531.055	126.020	7351242.499	5044533.787	0.704	0.424	43.985	7351243.203	5044534.211	82.035
1478	34350844.542	5043519.655	125.876	7351229.253	5044522.383	0.705	0.425	43.985	7351229.958	5044522.808	81.891
1479	34350850.817	5043513.628	129.443	7351235.530	5044516.354	0.705	0.425	43.985	7351236.235	5044516.779	85.458
1480	34350852.481	5043512.149	129.928	7351237.195	5044514.875	0.704	0.424	43.985	7351237.899	5044515.299	85.943
1481	34350853.010	5043511.603	129.917	7351237.724	5044514.329	0.704	0.424	43.985	7351238.428	5044514.753	85.932
1482	34350858.305	5043506.156	130.325	7351243.021	5044508.880	0.704	0.425	43.985	7351243.725	5044509.305	86.340
1483	34350858.762	5043505.650	130.278	7351243.478	5044508.374	0.704	0.425	43.985	7351244.182	5044508.799	86.293
1484	34350861.368	5043502.573	128.623	7351246.085	5044505.296	0.704	0.425	43.985	7351246.789	5044505.721	84.638
1485	34350863.396	5043501.154	128.745	7351248.114	5044503.877	0.704	0.424	43.985	7351248.818	5044504.301	84.760
1486	34350863.063	5043496.211	128.602	7351247.781	5044498.932	0.704	0.425	43.985	7351248.485	5044499.357	84.617
1487	34350866.673	5043492.931	126.529	7351251.392	5044495.652	0.704	0.424	43.985	7351252.096	5044496.076	82.544
1488	34350850.127	5043481.537	128.695	7351234.841	5044484.254	0.705	0.425	43.985	7351235.546	5044484.679	84.710
1489	34350851.689	5043480.110	128.478	7351236.404	5044482.826	0.704	0.425	43.985	7351237.108	5044483.251	84.493
1490	34350854.611	5043476.635	126.872	7351239.327	5044479.350	0.704	0.425	43.985	7351240.031	5044479.775	82.887
1491	34350862.614	5043481.545	126.246	7351247.332	5044484.262	0.704	0.425	43.985	7351248.036	5044484.687	82.261
1492	34350847.704	5043482.981	128.791	7351232.417	5044485.698	0.705	0.425	43.985	7351233.122	5044486.123	84.806
1493	34350844.028	5043469.840	129.508	7351228.741	5044472.553	0.704	0.425	43.985	7351229.445	5044472.978	85.523
1494	34350840.563	5043467.361	128.754	7351225.275	5044470.073	0.705	0.425	43.985	7351225.980	5044470.498	84.769
1495	34350839.888	5043469.002	128.793	7351224.600	5044471.715	0.704	0.425	43.985	7351225.304	5044472.140	84.808
1496	34350830.087	5043462.395	129.068	7351214.796	5044465.105	0.705	0.426	43.985	7351215.501	5044465.531	85.083
1497	34350826.478	5043464.067	129.619	7351211.186	5044466.778	0.705	0.425	43.985	7351211.891	5044467.203	85.634
1498	34350825.045	5043444.121	128.794	7351209.753	5044446.826	0.705	0.425	43.985	7351210.458	5044447.251	84.809
1499	34350828.290	5043444.003	128.708	7351212.999	5044446.708	0.705	0.425	43.985	7351213.704	5044447.133	84.723
1500	34350837.871	5043448.070	131.586	7351222.583	5044450.776	0.705	0.426	43.985	7351223.288	5044451.202	87.601
1501	34350840.175	5043453.799	131.108	7351224.887	5044456.507	0.705	0.425	43.985	7351225.592	5044456.932	87.123
1502	34350830.636	5043437.209	126.706	7351215.346	5044439.912	0.705	0.426	43.985	7351216.051	5044440.338	82.721
1503	34350823.039	5043445.964	128.752	7351207.746	5044448.669	0.705	0.426	43.985	7351208.451	5044449.095	84.767
1504	34350815.058	5043452.645	128.586	7351199.763	5044455.352	0.705	0.426	43.986	7351200.468	5044455.778	84.600
1505	34350815.423	5043460.040	128.718	7351200.128	5044462.749	0.705	0.426	43.985	7351200.833	5044463.175	84.733
1506	34350813.809	5043465.492	131.098	7351198.513	5044468.203	0.705	0.426	43.985	7351199.218	5044468.629	87.113
1507	34350804.468	5043458.237	127.830	7351189.169	5044460.945	0.706	0.426	43.986	7351189.875	5044461.371	83.844



1508	34350806.928	5043468.742	131.613	7351191.630	5044471.453	0.705	0.426	43.986	7351192.335	5044471.879	87.627
1509	34350796.464	5043456.130	127.229	7351181.163	5044458.837	0.706	0.427	43.986	7351181.869	5044459.264	83.243
1510	34350782.524	5043461.508	126.611	7351167.219	5044464.217	0.706	0.426	43.986	7351167.925	5044464.643	82.625
1511	34350784.536	5043465.796	126.742	7351169.231	5044468.506	0.706	0.426	43.986	7351169.937	5044468.932	82.756
1512	34350773.857	5043467.136	126.622	7351158.549	5044469.846	0.706	0.427	43.986	7351159.255	5044470.273	82.636
1513	34350770.023	5043462.871	125.385	7351154.714	5044465.580	0.706	0.426	43.986	7351155.420	5044466.006	81.399
1514	34350779.454	5043456.894	124.847	7351164.148	5044459.601	0.706	0.427	43.986	7351164.854	5044460.028	80.861
1515	34350758.698	5043440.223	125.501	7351143.386	5044442.925	0.707	0.427	43.986	7351144.093	5044443.352	81.515
1516	34350770.093	5043422.750	125.177	7351154.785	5044425.447	0.707	0.427	43.986	7351155.492	5044425.874	81.191
1517	34350787.149	5043412.496	125.065	7351171.847	5044415.190	0.706	0.427	43.986	7351172.553	5044415.617	81.079
1518	34350793.117	5043408.468	126.727	7351177.816	5044411.161	0.707	0.427	43.986	7351178.523	5044411.588	82.741
1519	34350795.885	5043405.148	128.848	7351180.585	5044407.840	0.707	0.427	43.986	7351181.292	5044408.267	84.862
1520	34350797.955	5043404.147	128.902	7351182.656	5044406.839	0.706	0.427	43.986	7351183.362	5044407.266	84.916
1521	34350800.087	5043402.362	128.579	7351184.789	5044405.054	0.706	0.426	43.986	7351185.495	5044405.480	84.593
1522	34350797.420	5043408.618	128.697	7351182.121	5044411.311	0.706	0.427	43.986	7351182.827	5044411.738	84.711
1523	34350864.180	5043512.001	130.145	7351248.897	5044514.727	0.705	0.424	43.985	7351249.602	5044515.151	86.160
1524	34350863.989	5043512.261	130.154	7351248.706	5044514.987	0.705	0.425	43.985	7351249.411	5044515.412	86.169
1525	34350858.239	5043517.477	129.814	7351242.955	5044520.205	0.704	0.424	43.985	7351243.659	5044520.629	85.829
1526	34350857.502	5043517.800	129.797	7351242.217	5044520.528	0.704	0.424	43.985	7351242.921	5044520.952	85.812
1527	34350846.163	5043505.330	129.963	7351230.875	5044508.054	0.705	0.424	43.985	7351231.580	5044508.478	85.978
1528	34350845.751	5043505.788	130.002	7351230.463	5044508.512	0.704	0.425	43.985	7351231.167	5044508.937	86.017
1529	34350843.922	5043507.430	129.726	7351228.634	5044510.154	0.704	0.425	43.985	7351229.338	5044510.579	85.741
1530	34350850.500	5043498.218	130.512	7351235.214	5044500.940	0.704	0.424	43.985	7351235.918	5044501.364	86.527
1531	34350850.744	5043497.752	130.496	7351235.458	5044500.473	0.704	0.425	43.985	7351236.162	5044500.898	86.511
1532	34350852.756	5043494.816	128.803	7351237.471	5044497.537	0.704	0.424	43.985	7351238.175	5044497.961	84.818
1533	34350844.920	5043488.100	129.354	7351229.632	5044490.818	0.705	0.425	43.985	7351230.337	5044491.243	85.369
1534	34350842.487	5043491.246	130.686	7351227.199	5044493.965	0.704	0.425	43.985	7351227.903	5044494.390	86.701
1535	34350842.001	5043491.551	130.733	7351226.712	5044494.270	0.705	0.425	43.985	7351227.417	5044494.695	86.748
1536	34350836.741	5043499.714	130.204	7351221.451	5044502.436	0.704	0.425	43.985	7351222.155	5044502.861	86.219
1537	34350836.315	5043500.210	130.215	7351221.025	5044502.932	0.704	0.425	43.985	7351221.729	5044503.357	86.230
1538	34350835.206	5043502.185	129.712	7351219.915	5044504.907	0.705	0.425	43.985	7351220.620	5044505.332	85.727
1539	34350833.878	5043500.457	130.179	7351218.587	5044503.179	0.704	0.425	43.985	7351219.291	5044503.604	86.194
1540	34350822.648	5043497.238	129.867	7351207.354	5044499.958	0.704	0.426	43.985	7351208.058	5044500.384	85.882
1541	34350823.403	5043495.846	130.285	7351208.109	5044498.566	0.705	0.425	43.985	7351208.814	5044498.991	86.300
1542	34350823.763	5043495.376	130.325	7351208.469	5044498.096	0.705	0.425	43.985	7351209.174	5044498.521	86.340
1543	34350823.549	5043494.641	130.354	7351208.255	5044497.361	0.705	0.425	43.985	7351208.960	5044497.786	86.369
1544	34350827.134	5043484.633	130.891	7351211.841	5044487.350	0.705	0.425	43.985	7351212.546	5044487.775	86.906
1545	34350827.538	5043484.012	130.937	7351212.245	5044486.729	0.705	0.425	43.985	7351212.950	5044487.154	86.952
1546	34350830.766	5043483.941	130.925	7351215.474	5044486.658	0.705	0.425	43.985	7351216.179	5044487.083	86.940
1547	34350831.693	5043479.771	129.687	7351216.402	5044482.487	0.704	0.425	43.985	7351217.106	5044482.912	85.702
1548	34350819.498	5043483.112	131.040	7351204.203	5044485.828	0.705	0.426	43.985	7351204.908	5044486.254	87.055
1549	34350819.601	5043482.808	131.016	7351204.306	5044485.524	0.705	0.426	43.985	7351205.011	5044485.950	87.031
1550	34350817.580	5043493.297	130.561	7351202.284	5044496.016	0.705	0.426	43.985	7351202.989	5044496.442	86.576
1551	34350817.524	5043493.718	130.581	7351202.228	5044496.437	0.705	0.426	43.985	7351202.933	5044496.863	86.596
1552	34350815.532	5043496.084	130.160	7351200.235	5044498.804	0.705	0.425	43.985	7351200.940	5044499.229	86.175
1553	34350804.883	5043495.787	130.385	7351189.583	5044498.506	0.705	0.426	43.985	7351190.288	5044498.932	86.400
1554	34350804.843	5043494.525	130.840	7351189.543	5044497.244	0.706	0.426	43.985	7351190.249	5044497.670	86.855
1555	34350805.007	5043493.452	130.849	7351189.707	5044496.171	0.706	0.426	43.985	7351190.413	5044496.597	86.864
1556	34350804.471	5043492.780	130.875	7351189.171	5044495.499	0.705	0.425	43.985	7351189.876	5044495.924	86.890



1557	34350803.492	5043483.102	131.439	7351188.192	5044485.818	0.706	0.426	43.986	7351188.898	5044486.244	87.453
1558	34350803.145	5043482.682	131.373	7351187.845	5044485.398	0.706	0.425	43.986	7351188.551	5044485.823	87.387
1559	34350805.657	5043481.407	131.504	7351190.358	5044484.122	0.705	0.426	43.985	7351191.063	5044484.548	87.519
1560	34350802.266	5043481.370	131.444	7351186.966	5044484.085	0.705	0.426	43.986	7351187.671	5044484.511	87.458
1561	34350796.351	5043475.509	131.283	7351181.049	5044478.222	0.706	0.426	43.986	7351181.755	5044478.648	87.297
1562	34350802.925	5043500.284	128.856	7351187.625	5044503.005	0.705	0.426	43.985	7351188.330	5044503.431	84.871
1563	34350814.295	5043502.432	127.648	7351198.998	5044505.154	0.705	0.425	43.985	7351199.703	5044505.579	83.663
1564	34350821.445	5043506.872	126.690	7351206.150	5044509.595	0.705	0.426	43.985	7351206.855	5044510.021	82.705
1565	34350827.688	5043510.912	126.318	7351212.395	5044513.637	0.704	0.425	43.985	7351213.099	5044514.062	82.333
1566	34350824.762	5043523.385	125.065	7351209.467	5044526.113	0.705	0.426	43.985	7351210.172	5044526.539	81.080
1567	34350813.659	5043516.604	126.004	7351198.361	5044519.330	0.705	0.425	43.985	7351199.066	5044519.755	82.019
1568	34350803.464	5043510.696	127.052	7351188.163	5044513.420	0.706	0.426	43.985	7351188.869	5044513.846	83.067
2001	34350977.154	5043606.465	128.492	7351361.902	5044609.223	0.704	0.421	43.983	7351362.606	5044609.644	84.509
2002	34350977.156	5043606.432	128.514	7351361.904	5044609.190	0.704	0.421	43.983	7351362.608	5044609.611	84.531
2003	34350975.376	5043603.304	128.579	7351360.124	5044606.061	0.704	0.421	43.983	7351360.828	5044606.482	84.596
2004	34350972.993	5043600.224	128.579	7351357.740	5044602.980	0.704	0.421	43.983	7351358.444	5044603.401	84.596
2005	34350972.635	5043598.136	128.747	7351357.382	5044600.891	0.704	0.421	43.983	7351358.086	5044601.312	84.764
2006	34350964.255	5043605.521	128.638	7351348.999	5044608.278	0.704	0.422	43.983	7351349.703	5044608.700	84.655
2007	34350961.325	5043599.673	128.392	7351346.069	5044602.428	0.704	0.422	43.983	7351346.773	5044602.850	84.409
2008	34350957.884	5043608.265	128.676	7351342.626	5044611.023	0.704	0.421	43.983	7351343.330	5044611.444	84.693
2009	34350958.866	5043612.606	128.746	7351343.609	5044615.365	0.704	0.422	43.983	7351344.313	5044615.787	84.763
2010	34350951.104	5043610.514	128.734	7351335.844	5044613.272	0.704	0.422	43.983	7351336.548	5044613.694	84.751
2011	34350948.411	5043608.950	128.770	7351333.151	5044611.708	0.703	0.421	43.983	7351333.854	5044612.129	84.787
2012	34350947.073	5043610.961	128.720	7351331.812	5044613.719	0.704	0.422	43.983	7351332.516	5044614.141	84.737
2013	34350943.882	5043611.028	128.670	7351328.620	5044613.786	0.704	0.422	43.983	7351329.324	5044614.208	84.687
2014	34350948.247	5043615.662	128.783	7351332.986	5044618.422	0.704	0.421	43.983	7351333.690	5044618.843	84.800
2015	34350939.550	5043610.231	128.675	7351324.287	5044612.989	0.704	0.422	43.984	7351324.991	5044613.411	84.691
2016	34350934.902	5043608.325	128.711	7351319.638	5044611.082	0.703	0.422	43.984	7351320.341	5044611.504	84.727
2017	34350933.523	5043606.582	128.778	7351318.258	5044609.338	0.704	0.423	43.984	7351318.962	5044609.761	84.794
2018	34350931.282	5043605.679	128.761	7351316.017	5044608.435	0.703	0.422	43.984	7351316.720	5044608.857	84.777
2019	34350930.338	5043604.125	128.818	7351315.072	5044606.881	0.704	0.422	43.984	7351315.776	5044607.303	84.834
2020	34350926.808	5043601.723	128.815	7351311.541	5044604.478	0.704	0.422	43.984	7351312.245	5044604.900	84.831
2021	34350927.502	5043601.480	128.774	7351312.236	5044604.235	0.703	0.422	43.984	7351312.939	5044604.657	84.790
2022	34350924.135	5043598.958	128.808	7351308.868	5044601.712	0.703	0.422	43.984	7351309.571	5044602.134	84.824
2023	34350924.851	5043598.639	128.818	7351309.584	5044601.393	0.704	0.422	43.984	7351310.288	5044601.815	84.834
2024	34350921.506	5043595.919	128.829	7351306.238	5044598.672	0.704	0.422	43.984	7351306.942	5044599.094	84.845
2025	34350922.160	5043595.604	128.836	7351306.892	5044598.357	0.704	0.422	43.984	7351307.596	5044598.779	84.852
2026	34350923.804	5043595.859	130.791	7351308.537	5044598.612	0.703	0.422	43.984	7351309.240	5044599.034	86.807
2027	34350926.513	5043591.278	128.619	7351311.247	5044594.030	0.703	0.422	43.984	7351311.950	5044594.452	84.635
2028	34350932.734	5043599.037	128.634	7351317.469	5044601.791	0.704	0.422	43.984	7351318.173	5044602.213	84.650
2029	34350919.161	5043592.579	128.865	7351303.892	5044595.331	0.704	0.422	43.984	7351304.596	5044595.753	84.881
2030	34350919.785	5043592.360	128.877	7351304.517	5044595.112	0.703	0.422	43.984	7351305.220	5044595.534	84.893
2031	34350911.743	5043581.346	128.968	7351296.473	5044584.094	0.703	0.423	43.984	7351297.176	5044584.517	84.984
2032	34350912.092	5043580.818	128.978	7351296.822	5044583.566	0.703	0.423	43.984	7351297.525	5044583.989	84.994
2033	34350916.049	5043577.562	128.602	7351300.780	5044580.309	0.704	0.423	43.984	7351301.484	5044580.732	84.618
2034	34350918.623	5043572.309	128.537	7351303.355	5044575.055	0.704	0.422	43.984	7351304.059	5044575.477	84.553
2035	34350922.915	5043573.553	127.721	7351307.648	5044576.299	0.704	0.423	43.984	7351308.352	5044576.722	83.737
2036	34350929.835	5043585.326	128.187	7351314.570	5044588.076	0.703	0.422	43.984	7351315.273	5044588.498	84.203
2037	34350929.150	5043590.991	128.667	7351313.884	5044593.743	0.704	0.422	43.984	7351314.588	5044594.165	84.683



2038	34350936.403	5043588.887	128.211	7351321.140	5044591.638	0.703	0.422	43.984	7351321.843	5044592.060	84.227
2039	34350939.900	5043597.281	128.531	7351324.637	5044600.035	0.704	0.422	43.984	7351325.341	5044600.457	84.547
2040	34350946.485	5043600.674	128.505	7351331.224	5044603.429	0.704	0.422	43.983	7351331.928	5044603.851	84.522
2041	34350952.499	5043599.529	128.441	7351337.240	5044602.284	0.704	0.422	43.983	7351337.944	5044602.706	84.458
2042	34350927.075	5043572.004	127.692	7351311.809	5044574.750	0.704	0.422	43.984	7351312.513	5044575.172	83.708
2043	34350906.296	5043586.110	128.891	7351291.024	5044588.859	0.703	0.423	43.984	7351291.727	5044589.282	84.907
2044	34350905.548	5043586.493	128.812	7351290.276	5044589.243	0.703	0.422	43.984	7351290.979	5044589.665	84.828
2045	34350915.348	5043599.554	128.887	7351300.078	5044602.308	0.704	0.422	43.984	7351300.782	5044602.730	84.903
2046	34350914.490	5043599.909	128.895	7351299.220	5044602.663	0.703	0.422	43.984	7351299.923	5044603.085	84.911
2047	34350919.954	5043605.871	128.903	7351304.685	5044608.627	0.704	0.422	43.984	7351305.389	5044609.049	84.919
2048	34350919.261	5043606.337	128.919	7351303.992	5044609.093	0.704	0.422	43.984	7351304.696	5044609.515	84.935
2049	34350924.018	5043610.510	128.907	7351308.750	5044613.267	0.704	0.423	43.984	7351309.454	5044613.690	84.923
2050	34350923.417	5043611.053	128.905	7351308.149	5044613.810	0.704	0.423	43.984	7351308.853	5044614.233	84.921
2051	34350928.323	5043614.409	128.849	7351313.056	5044617.168	0.704	0.422	43.984	7351313.760	5044617.590	84.865
2052	34350927.447	5043615.120	128.846	7351312.180	5044617.879	0.704	0.422	43.984	7351312.884	5044618.301	84.862
2053	34350929.496	5043617.417	128.849	7351314.230	5044620.176	0.704	0.423	43.984	7351314.934	5044620.599	84.865
2054	34350934.188	5043612.862	128.774	7351318.923	5044615.620	0.704	0.422	43.984	7351319.627	5044616.042	84.790
2055	34350919.888	5043599.720	128.838	7351304.619	5044602.474	0.704	0.422	43.984	7351305.323	5044602.896	84.854
2056	34350908.614	5043583.376	128.913	7351293.343	5044586.125	0.703	0.423	43.984	7351294.046	5044586.548	84.929
2057	34350931.960	5043617.028	128.823	7351316.694	5044619.787	0.704	0.423	43.984	7351317.398	5044620.210	84.839
2058	34350938.087	5043619.913	128.798	7351322.823	5044622.673	0.704	0.423	43.983	7351323.527	5044623.096	84.815
2059	34350941.713	5043629.568	128.447	7351326.450	5044632.331	0.704	0.422	43.983	7351327.154	5044632.753	84.464
2060	34350940.104	5043620.369	128.787	7351324.841	5044623.130	0.704	0.422	43.983	7351325.545	5044623.552	84.804
2061	34350944.892	5043620.601	128.784	7351329.630	5044623.362	0.704	0.422	43.983	7351330.334	5044623.784	84.801
2062	34350947.717	5043620.372	128.813	7351332.456	5044623.133	0.704	0.422	43.983	7351333.160	5044623.555	84.830
2063	34350950.956	5043623.565	128.896	7351335.696	5044626.327	0.704	0.422	43.983	7351336.400	5044626.749	84.913
2064	34350950.394	5043624.084	128.881	7351335.134	5044626.846	0.704	0.422	43.983	7351335.838	5044627.268	84.898
2065	34350951.792	5043620.110	128.845	7351336.532	5044622.871	0.704	0.422	43.983	7351337.236	5044623.293	84.862
2066	34350953.466	5043619.102	128.865	7351338.207	5044621.863	0.704	0.421	43.983	7351338.911	5044622.284	84.882
2067	34350953.236	5043623.046	128.834	7351337.977	5044625.808	0.704	0.422	43.983	7351338.681	5044626.230	84.851
2068	34350954.297	5043627.954	128.843	7351339.038	5044630.717	0.704	0.422	43.983	7351339.742	5044631.139	84.860
2069	34350956.174	5043626.568	128.664	7351340.915	5044629.331	0.704	0.422	43.983	7351341.619	5044629.753	84.681
2070	34350956.724	5043625.914	128.697	7351341.466	5044628.677	0.704	0.421	43.983	7351342.170	5044629.098	84.714
2071	34350960.538	5043623.086	128.804	7351345.281	5044625.848	0.704	0.422	43.983	7351345.985	5044626.270	84.821
2072	34350966.922	5043623.720	128.791	7351351.667	5044626.482	0.704	0.422	43.983	7351352.371	5044626.904	84.808
2073	34350964.203	5043620.369	128.779	7351348.947	5044623.130	0.704	0.422	43.983	7351349.651	5044623.552	84.796
2074	34350960.489	5043618.600	128.765	7351345.232	5044621.361	0.704	0.421	43.983	7351345.936	5044621.782	84.782
2075	34350956.604	5043617.952	128.802	7351341.346	5044620.712	0.704	0.422	43.983	7351342.050	5044621.134	84.819
2076	34350962.268	5043615.253	128.721	7351347.012	5044618.013	0.704	0.421	43.983	7351347.716	5044618.434	84.738
2077	34350966.744	5043612.818	128.680	7351351.489	5044615.577	0.704	0.422	43.983	7351352.193	5044615.999	84.697
2078	34350970.241	5043610.772	128.645	7351354.987	5044613.531	0.704	0.421	43.983	7351355.691	5044613.952	84.662
2079	34350969.421	5043614.566	128.746	7351354.167	5044617.326	0.704	0.421	43.983	7351354.871	5044617.747	84.763
2080	34350968.440	5043620.453	128.745	7351353.185	5044623.215	0.704	0.421	43.983	7351353.889	5044623.636	84.762
2081	34350969.742	5043625.055	128.802	7351354.487	5044627.818	0.705	0.421	43.983	7351355.192	5044628.239	84.819
sp23	34350977.060	5043658.550	128.607	7351361.807	5044661.323	0.704	0.421	43.983	7351362.511	5044661.744	84.624
sp23a	34350977.067	5043658.549	128.605	7351361.814	5044661.322	0.704	0.421	43.983	7351362.518	5044661.743	84.622
sp23b	34350977.064	5043658.551	128.576	7351361.811	5044661.324	0.704	0.421	43.983	7351362.515	5044661.745	84.593
sp24a	34350951.658	5043620.958	128.857	7351336.398	5044623.719	0.704	0.422	43.983	7351337.102	5044624.141	84.874
sp24b	34350951.665	5043620.968	128.864	7351336.405	5044623.729	0.704	0.422	43.983	7351337.109	5044624.151	84.881



sp24c	34350951.671	5043620.967	128.868	7351336.411	5044623.728	0.704	0.422	43.983	7351337.115	5044624.150	84.885
sp25a	34351000.413	5043696.260	128.303	7351385.165	5044699.045	0.705	0.420	43.982	7351385.870	5044699.465	84.321
sp25b	34351000.411	5043696.256	128.304	7351385.163	5044699.041	0.705	0.420	43.982	7351385.868	5044699.461	84.322
sp25c	34351000.412	5043696.262	128.301	7351385.164	5044699.047	0.705	0.420	43.982	7351385.869	5044699.467	84.319
sp26a	34351032.324	5043747.990	128.323	7351417.084	5044750.791	0.706	0.420	43.982	7351417.790	5044751.211	84.341
sp26b	34351032.327	5043747.989	128.329	7351417.087	5044750.790	0.706	0.420	43.982	7351417.793	5044751.210	84.347
sp26c	34351032.333	5043748.000	128.329	7351417.093	5044750.801	0.706	0.420	43.982	7351417.799	5044751.221	84.347
2136	34351043.748	5043770.981	128.401	7351428.511	5044773.790	0.706	0.418	43.982	7351429.217	5044774.208	84.419
2137	34351044.664	5043770.865	128.410	7351429.427	5044773.674	0.706	0.418	43.982	7351430.133	5044774.092	84.428
2138	34351046.508	5043769.455	128.495	7351431.272	5044772.263	0.706	0.419	43.982	7351431.978	5044772.682	84.513
2139	34351048.051	5043768.768	128.566	7351432.815	5044771.576	0.706	0.419	43.982	7351433.521	5044771.995	84.584
2140	34351050.906	5043765.633	128.650	7351435.671	5044768.440	0.706	0.419	43.982	7351436.377	5044768.859	84.668
2141	34351054.352	5043764.626	128.664	7351439.118	5044767.433	0.706	0.419	43.982	7351439.824	5044767.852	84.682
2142	34351056.833	5043763.885	128.704	7351441.600	5044766.692	0.706	0.418	43.982	7351442.306	5044767.110	84.722
2143	34351048.395	5043732.150	128.770	7351433.161	5044734.947	0.705	0.419	43.982	7351433.866	5044735.366	84.788
2144	34351059.387	5043769.032	128.784	7351444.155	5044771.841	0.705	0.418	43.982	7351444.860	5044772.259	84.802
2145	34351057.754	5043770.825	128.716	7351442.521	5044773.634	0.706	0.418	43.982	7351443.227	5044774.052	84.734
2146	34351065.465	5043777.438	128.758	7351450.234	5044780.249	0.706	0.418	43.981	7351450.940	5044780.667	84.777
2147	34351064.015	5043779.072	128.764	7351448.784	5044781.884	0.706	0.418	43.981	7351449.490	5044782.302	84.783
2148	34351071.687	5043784.156	128.825	7351456.458	5044786.969	0.706	0.418	43.981	7351457.164	5044787.387	84.844
2149	34351070.225	5043785.770	128.797	7351454.995	5044788.584	0.706	0.418	43.981	7351455.701	5044789.002	84.816
2150	34351075.572	5043776.973	128.793	7351460.344	5044779.784	0.706	0.418	43.981	7351461.050	5044780.202	84.812
2151	34351079.890	5043774.456	128.595	7351464.664	5044777.267	0.705	0.418	43.981	7351465.369	5044777.685	84.614
2152	34351067.124	5043784.554	128.701	7351451.894	5044787.367	0.705	0.418	43.981	7351452.599	5044787.785	84.720
2153	34351080.084	5043792.373	128.813	7351464.857	5044795.189	0.706	0.418	43.981	7351465.563	5044795.607	84.832
2154	34351078.758	5043794.134	128.748	7351463.531	5044796.951	0.706	0.417	43.981	7351464.237	5044797.368	84.767
2155	34351083.382	5043803.205	128.695	7351468.156	5044806.024	0.706	0.418	43.981	7351468.862	5044806.442	84.714
2156	34351085.413	5043801.686	128.737	7351470.187	5044804.505	0.707	0.418	43.981	7351470.894	5044804.923	84.756
2157	34351087.256	5043800.606	128.758	7351472.031	5044803.425	0.706	0.417	43.981	7351472.737	5044803.842	84.777
2158	34351090.545	5043799.400	128.807	7351475.321	5044802.219	0.706	0.417	43.981	7351476.027	5044802.636	84.826
2159	34351093.547	5043809.464	128.737	7351478.324	5044812.286	0.706	0.417	43.981	7351479.030	5044812.703	84.756
2160	34351092.068	5043810.814	128.747	7351476.844	5044813.636	0.706	0.417	43.981	7351477.550	5044814.053	84.766
2161	34351099.206	5043816.607	128.789	7351483.984	5044819.431	0.706	0.417	43.981	7351484.690	5044819.848	84.808
2162	34351097.807	5043818.340	128.742	7351482.585	5044821.164	0.706	0.417	43.981	7351483.291	5044821.581	84.761
2163	34351100.590	5043823.265	128.715	7351485.368	5044826.091	0.707	0.417	43.981	7351486.075	5044826.508	84.734
2164	34351105.915	5043824.099	128.757	7351490.695	5044826.925	0.706	0.417	43.981	7351491.401	5044827.342	84.776
2165	34351104.237	5043825.480	128.767	7351489.016	5044828.307	0.707	0.417	43.981	7351489.723	5044828.724	84.786
2166	34351105.862	5043827.982	128.804	7351490.642	5044830.809	0.706	0.417	43.981	7351491.348	5044831.226	84.823
2167	34351108.119	5043827.124	128.762	7351492.899	5044829.951	0.707	0.417	43.981	7351493.606	5044830.368	84.781
2168	34351106.809	5043830.236	128.759	7351491.589	5044833.064	0.706	0.417	43.981	7351492.295	5044833.481	84.778
2169	34351109.432	5043830.727	128.785	7351494.213	5044833.555	0.706	0.417	43.981	7351494.919	5044833.972	84.804
2170	34351109.641	5043833.496	128.823	7351494.422	5044836.325	0.706	0.417	43.981	7351495.128	5044836.742	84.842
2171	34351107.420	5043834.001	128.810	7351492.200	5044836.830	0.706	0.417	43.981	7351492.906	5044837.247	84.829
2172	34351109.402	5043838.381	128.786	7351494.183	5044841.212	0.706	0.416	43.981	7351494.889	5044841.628	84.805
2173	34351107.404	5043838.439	128.795	7351492.184	5044841.270	0.706	0.416	43.981	7351492.890	5044841.686	84.814
2174	34351118.372	5043843.541	128.742	7351503.155	5044846.374	0.706	0.416	43.981	7351503.861	5044846.790	84.761
2175	34351106.687	5043848.430	128.722	7351491.466	5044851.264	0.707	0.416	43.981	7351492.173	5044851.680	84.741
2176	34351108.955	5043848.863	128.735	7351493.735	5044851.697	0.706	0.416	43.981	7351494.441	5044852.113	84.754
2177	34351109.221	5043852.842	128.763	7351494.001	5044855.677	0.706	0.417	43.981	7351494.707	5044856.094	84.782



2178	34351106.761	5043853.905	128.809	7351491.540	5044856.740	0.707	0.417	43.981	7351492.247	5044857.157	84.828
2179	34351109.491	5043860.578	128.819	7351494.271	5044863.415	0.706	0.417	43.981	7351494.977	5044863.832	84.838
2180	34351111.866	5043859.915	128.799	7351496.647	5044862.752	0.706	0.417	43.981	7351497.353	5044863.169	84.818
2181	34351117.579	5043874.788	128.709	7351502.361	5044877.630	0.706	0.416	43.980	7351503.067	5044878.046	84.729
2182	34351120.085	5043873.907	128.756	7351504.868	5044876.749	0.706	0.416	43.980	7351505.574	5044877.165	84.776
2183	34351119.455	5043879.508	128.822	7351504.237	5044882.351	0.707	0.416	43.980	7351504.944	5044882.767	84.842
2184	34351121.286	5043879.413	128.812	7351506.069	5044882.256	0.706	0.416	43.980	7351506.775	5044882.672	84.832
2185	34351119.531	5043882.274	128.723	7351504.313	5044885.118	0.707	0.416	43.980	7351505.020	5044885.534	84.743
2186	34351121.532	5043885.552	128.761	7351506.315	5044888.397	0.706	0.416	43.980	7351507.021	5044888.813	84.781
2187	34351121.693	5043881.651	128.805	7351506.476	5044884.495	0.706	0.416	43.980	7351507.182	5044884.911	84.825
2188	34351119.841	5043889.580	128.808	7351504.623	5044892.426	0.707	0.416	43.980	7351505.330	5044892.842	84.828
2189	34351121.923	5043889.796	128.789	7351506.706	5044892.642	0.706	0.416	43.980	7351507.412	5044893.058	84.809
2190	34351122.873	5043893.728	128.809	7351507.656	5044896.576	0.707	0.416	43.980	7351508.363	5044896.992	84.829
2191	34351120.766	5043894.580	128.789	7351505.548	5044897.428	0.707	0.416	43.980	7351506.255	5044897.844	84.809
2192	34351123.751	5043900.747	128.860	7351508.534	5044903.597	0.707	0.416	43.980	7351509.241	5044904.013	84.880
2193	34351125.849	5043899.639	128.822	7351510.633	5044902.488	0.706	0.416	43.980	7351511.339	5044902.904	84.842
2194	34351128.682	5043897.014	128.670	7351513.466	5044899.863	0.707	0.416	43.980	7351514.173	5044900.279	84.690
2195	34351131.077	5043859.105	128.729	7351515.863	5044861.943	0.707	0.416	43.980	7351516.570	5044862.359	84.749
2196	34351144.842	5043878.337	128.663	7351529.632	5044881.181	0.706	0.415	43.980	7351530.338	5044881.596	84.683
2197	34351136.322	5043879.045	128.756	7351521.109	5044881.889	0.707	0.415	43.980	7351521.816	5044882.304	84.776
2198	34351105.628	5043860.130	128.772	7351490.407	5044862.967	0.706	0.417	43.981	7351491.113	5044863.384	84.791
2199	34351104.692	5043861.427	128.781	7351489.470	5044864.264	0.707	0.417	43.981	7351490.177	5044864.681	84.800
2200	34351102.291	5043862.900	128.742	7351487.069	5044865.738	0.706	0.416	43.981	7351487.775	5044866.154	84.761
2201	34351093.394	5043848.301	128.750	7351478.169	5044851.134	0.707	0.417	43.981	7351478.876	5044851.551	84.769
2202	34351094.884	5043847.144	128.775	7351479.660	5044849.977	0.706	0.417	43.981	7351480.366	5044850.394	84.794
2203	34351087.703	5043840.708	128.710	7351472.477	5044843.539	0.706	0.417	43.981	7351473.183	5044843.956	84.729
2204	34351089.207	5043839.393	128.722	7351473.981	5044842.223	0.707	0.418	43.981	7351474.688	5044842.641	84.741
2205	34351091.745	5043837.912	128.648	7351476.520	5044840.742	0.707	0.417	43.981	7351477.227	5044841.159	84.667
2206	34351080.811	5043836.361	128.954	7351465.583	5044839.190	0.706	0.418	43.981	7351466.289	5044839.608	84.973
2207	34351082.885	5043834.950	128.772	7351467.658	5044837.779	0.706	0.417	43.981	7351468.364	5044838.196	84.791
2208	34351084.407	5043833.483	128.717	7351469.180	5044836.311	0.707	0.418	43.981	7351469.887	5044836.729	84.736
2209	34351082.926	5043833.285	128.696	7351467.699	5044836.113	0.706	0.418	43.981	7351468.405	5044836.531	84.715
2210	34351078.522	5043829.768	128.679	7351463.294	5044832.595	0.706	0.418	43.981	7351464.000	5044833.013	84.698
2211	34351080.137	5043828.104	128.659	7351464.909	5044830.931	0.706	0.417	43.981	7351465.615	5044831.348	84.678
2212	34351075.733	5043824.433	128.636	7351460.504	5044827.259	0.706	0.417	43.981	7351461.210	5044827.676	84.655
2213	34351077.819	5043823.629	128.625	7351462.591	5044826.454	0.706	0.418	43.981	7351463.297	5044826.872	84.644
2214	34351073.009	5043818.275	128.666	7351457.779	5044821.099	0.707	0.417	43.981	7351458.486	5044821.516	84.685
2215	34351074.989	5043817.286	128.645	7351459.760	5044820.109	0.706	0.418	43.981	7351460.466	5044820.527	84.664
2216	34351077.603	5043815.689	128.613	7351462.375	5044818.512	0.706	0.418	43.981	7351463.081	5044818.930	84.632
2217	34351067.106	5043808.823	128.632	7351451.875	5044811.644	0.706	0.418	43.981	7351452.581	5044812.062	84.651
2218	34351068.960	5043807.597	128.651	7351453.729	5044810.417	0.707	0.418	43.981	7351454.436	5044810.835	84.670
2219	34351061.319	5043797.308	128.590	7351446.086	5044800.125	0.706	0.418	43.981	7351446.792	5044800.543	84.609
2220	34351059.454	5043798.284	128.529	7351444.221	5044801.101	0.706	0.418	43.981	7351444.927	5044801.519	84.548
2221	34351055.542	5043790.840	128.554	7351440.308	5044793.655	0.706	0.418	43.982	7351441.014	5044794.073	84.572
2222	34351057.533	5043789.852	128.589	7351442.300	5044792.667	0.706	0.418	43.981	7351443.006	5044793.085	84.608
2223	34351057.833	5043783.980	128.603	7351442.600	5044786.793	0.706	0.418	43.982	7351443.306	5044787.211	84.621
2224	34351050.222	5043779.849	128.473	7351434.987	5044782.660	0.706	0.419	43.982	7351435.693	5044783.079	84.491
2225	34351052.207	5043778.917	128.549	7351436.972	5044781.728	0.706	0.419	43.982	7351437.678	5044782.147	84.567
sp27a	34351087.096	5043839.555	128.711	7351471.870	5044842.385	0.706	0.418	43.981	7351472.576	5044842.803	84.730



sp27b	34351087.102	5043839.555	128.724	7351471.876	5044842.385	0.706	0.418	43.981	7351472.582	5044842.803	84.743
sp27c	34351087.100	5043839.551	128.718	7351471.874	5044842.381	0.706	0.418	43.981	7351472.580	5044842.799	84.737
sp28a	34351118.835	5043882.753	128.797	7351503.617	5044885.597	0.707	0.416	43.980	7351504.324	5044886.013	84.817
sp28b	34351118.828	5043882.750	128.804	7351503.610	5044885.594	0.707	0.416	43.980	7351504.317	5044886.010	84.824
sp28c	34351118.826	5043882.755	128.808	7351503.608	5044885.599	0.707	0.416	43.980	7351504.315	5044886.015	84.828
2244	34351134.300	5043928.086	128.705	7351519.085	5044930.944	0.707	0.416	43.980	7351519.792	5044931.360	84.725
2245	34351138.568	5043924.746	128.903	7351523.355	5044927.603	0.706	0.416	43.980	7351524.061	5044928.019	84.923
2246	34351140.474	5043923.551	128.950	7351525.261	5044926.408	0.707	0.415	43.980	7351525.968	5044926.823	84.970
2247	34351140.927	5043916.693	128.730	7351525.715	5044919.548	0.706	0.415	43.980	7351526.421	5044919.963	84.750
2248	34351151.355	5043913.919	128.626	7351536.146	5044916.773	0.706	0.416	43.980	7351536.852	5044917.189	84.646
2249	34351161.858	5043905.355	128.655	7351546.652	5044908.207	0.707	0.415	43.980	7351547.359	5044908.622	84.675
2250	34351164.066	5043903.230	128.458	7351548.861	5044906.082	0.706	0.414	43.980	7351549.567	5044906.496	84.478
2251	34351176.083	5043930.207	128.770	7351560.881	5044933.067	0.706	0.414	43.980	7351561.587	5044933.481	84.790
2252	34351178.424	5043928.981	128.703	7351563.222	5044931.841	0.707	0.414	43.980	7351563.929	5044932.255	84.723
2253	34351166.291	5043935.882	128.525	7351551.085	5044938.743	0.707	0.415	43.980	7351551.792	5044939.158	84.545
2254	34351156.176	5043941.186	128.701	7351540.967	5044944.049	0.707	0.414	43.980	7351541.674	5044944.463	84.721
2255	34351153.592	5043944.333	128.715	7351538.382	5044947.197	0.707	0.414	43.980	7351539.089	5044947.611	84.735
2256	34351151.874	5043945.427	128.709	7351536.664	5044948.291	0.707	0.415	43.980	7351537.371	5044948.706	84.729
2257	34351145.339	5043942.238	129.017	7351530.127	5044945.101	0.707	0.415	43.980	7351530.834	5044945.516	85.037
2258	34351165.673	5043973.024	128.795	7351550.466	5044975.896	0.707	0.415	43.980	7351551.173	5044976.311	84.815
2259	34351165.609	5043966.709	128.727	7351550.402	5044969.580	0.707	0.414	43.980	7351551.109	5044969.994	84.747
2260	34351168.624	5043965.106	128.559	7351553.418	5044967.976	0.707	0.414	43.980	7351554.125	5044968.390	84.579
2261	34351172.418	5043987.971	128.888	7351557.213	5044990.848	0.707	0.414	43.979	7351557.920	5044991.262	84.909
2262	34351175.675	5043986.354	128.910	7351560.471	5044989.231	0.707	0.414	43.979	7351561.178	5044989.645	84.931
2263	34351180.023	5043985.257	128.889	7351564.820	5044988.134	0.707	0.413	43.979	7351565.527	5044988.547	84.910
2264	34351180.317	5043979.554	128.682	7351565.114	5044982.429	0.707	0.414	43.979	7351565.821	5044982.843	84.703
2265	34351188.251	5043974.013	128.769	7351573.051	5044976.886	0.707	0.414	43.979	7351573.758	5044977.300	84.790
2266	34351178.650	5043958.111	128.787	7351563.447	5044960.979	0.707	0.414	43.979	7351564.154	5044961.393	84.808
2267	34351170.644	5043963.484	128.735	7351555.439	5044966.354	0.707	0.414	43.980	7351556.146	5044966.768	84.755
2268	34351189.065	5043948.905	128.766	7351573.866	5044951.771	0.707	0.414	43.979	7351574.573	5044952.185	84.787
2269	34351192.372	5043948.767	128.829	7351577.174	5044951.633	0.707	0.414	43.979	7351577.881	5044952.047	84.850
2270	34351203.308	5043971.097	128.737	7351588.112	5044973.970	0.707	0.413	43.979	7351588.819	5044974.383	84.758
2271	34351203.670	5043968.250	128.789	7351588.475	5044971.122	0.707	0.414	43.979	7351589.182	5044971.536	84.810
2272	34351217.365	5043993.683	128.851	7351602.173	5044996.563	0.707	0.413	43.979	7351602.880	5044996.976	84.872
2273	34351218.647	5043991.671	128.904	7351603.455	5044994.551	0.707	0.412	43.979	7351604.162	5044994.963	84.925
2274	34351206.967	5043998.759	128.830	7351591.772	5045001.640	0.707	0.413	43.979	7351592.479	5045002.053	84.851
2275	34351197.553	5044007.056	128.735	7351582.355	5045009.940	0.707	0.413	43.979	7351583.062	5045010.353	84.756
2276	34351194.027	5044009.561	128.718	7351578.827	5045012.445	0.708	0.413	43.979	7351579.535	5045012.858	84.739
2277	34351213.928	5044033.093	128.826	7351598.734	5045035.985	0.707	0.412	43.979	7351599.441	5045036.397	84.847
2278	34351210.094	5044036.657	128.787	7351594.898	5045039.550	0.708	0.412	43.979	7351595.606	5045039.962	84.808
2279	34351221.761	5044026.660	128.887	7351606.569	5045029.550	0.707	0.413	43.979	7351607.276	5045029.963	84.908
2280	34351230.280	5044014.650	128.846	7351615.091	5045017.537	0.707	0.412	43.979	7351615.798	5045017.949	84.867
2281	34351244.374	5044037.505	128.815	7351629.189	5045040.399	0.707	0.412	43.978	7351629.896	5045040.811	84.837
2282	34351231.894	5044044.348	128.952	7351616.705	5045047.244	0.707	0.412	43.979	7351617.412	5045047.656	84.973
2283	34351224.455	5044049.788	128.800	7351609.263	5045052.685	0.708	0.412	43.979	7351609.971	5045053.097	84.821
2284	34351223.308	5044055.135	128.805	7351608.116	5045058.034	0.707	0.412	43.979	7351608.823	5045058.446	84.826
2285	34351237.657	5044078.748	128.664	7351622.468	5045081.654	0.708	0.412	43.978	7351623.176	5045082.066	84.686
2286	34351240.946	5044076.131	128.767	7351625.758	5045079.036	0.708	0.412	43.978	7351626.466	5045079.448	84.789
2287	34351251.136	5044074.216	128.859	7351635.952	5045077.121	0.707	0.411	43.978	7351636.659	5045077.532	84.881



2288	34351262.494	5044068.322	128.773	7351647.313	5045071.226	0.707	0.411	43.978	7351648.020	5045071.637	84.795
2289	34351263.423	5044067.485	128.777	7351648.242	5045070.389	0.707	0.410	43.978	7351648.949	5045070.799	84.799
2290	34351278.969	5044093.587	128.864	7351663.792	5045096.499	0.707	0.410	43.978	7351664.499	5045096.909	84.886
2291	34351281.372	5044092.447	128.840	7351666.196	5045095.359	0.706	0.410	43.978	7351666.902	5045095.769	84.862
2292	34351270.494	5044097.161	128.983	7351655.315	5045100.074	0.706	0.410	43.978	7351656.021	5045100.484	85.005
2293	34351258.405	5044104.487	128.749	7351643.222	5045107.401	0.707	0.411	43.978	7351643.929	5045107.812	84.771
2294	34351258.457	5044110.628	129.049	7351643.274	5045113.544	0.707	0.411	43.978	7351643.981	5045113.955	85.071
2295	34351274.197	5044128.014	128.813	7351659.018	5045130.936	0.707	0.410	43.978	7351659.725	5045131.346	84.835
2296	34351270.636	5044131.098	128.708	7351655.456	5045134.021	0.707	0.410	43.978	7351656.163	5045134.431	84.730
2297	34351281.878	5044120.966	128.823	7351666.701	5045123.886	0.707	0.410	43.978	7351667.408	5045124.296	84.845
2298	34351291.926	5044112.800	128.979	7351676.752	5045115.718	0.707	0.410	43.978	7351677.459	5045116.128	85.001
2299	34351294.094	5044110.339	129.110	7351678.921	5045113.256	0.707	0.410	43.978	7351679.628	5045113.666	85.132
2300	34351298.285	5044136.561	128.892	7351683.113	5045139.486	0.706	0.409	43.977	7351683.819	5045139.895	84.915
2301	34351307.297	5044137.841	128.884	7351692.127	5045140.767	0.707	0.409	43.977	7351692.834	5045141.176	84.907
2302	34351308.598	5044137.244	128.823	7351693.429	5045140.170	0.706	0.409	43.977	7351694.135	5045140.579	84.846
2303	34351288.226	5044146.364	128.838	7351673.050	5045149.292	0.707	0.409	43.978	7351673.757	5045149.701	84.860
2304	34351286.019	5044150.223	128.606	7351670.843	5045153.152	0.706	0.410	43.978	7351671.549	5045153.562	84.628
2305	34351312.438	5044108.684	130.811	7351697.271	5045111.601	0.706	0.409	43.977	7351697.977	5045112.010	86.834
2306	34351313.941	5044107.768	130.468	7351698.774	5045110.685	0.706	0.409	43.977	7351699.480	5045111.094	86.491
2307	34351294.193	5044078.032	130.922	7351679.021	5045080.940	0.706	0.409	43.978	7351679.727	5045081.349	86.944
2308	34351295.664	5044077.485	130.575	7351680.493	5045080.392	0.706	0.410	43.978	7351681.199	5045080.802	86.597
2309	34351292.015	5044079.295	131.457	7351676.843	5045082.203	0.706	0.410	43.978	7351677.549	5045082.613	87.479
2310	34351272.592	5044046.525	131.600	7351657.415	5045049.423	0.706	0.410	43.978	7351658.121	5045049.833	87.622
2311	34351274.802	5044045.261	131.034	7351659.625	5045048.158	0.707	0.411	43.978	7351660.332	5045048.569	87.056
2312	34351275.604	5044044.088	130.805	7351660.428	5045046.985	0.706	0.411	43.978	7351661.134	5045047.396	86.827
2313	34351256.048	5044018.449	131.751	7351640.867	5045021.338	0.706	0.411	43.978	7351641.573	5045021.749	87.773
2314	34351258.136	5044017.092	131.245	7351642.955	5045019.980	0.707	0.412	43.978	7351643.662	5045020.392	87.267
2315	34351258.834	5044015.564	130.934	7351643.654	5045018.452	0.706	0.411	43.978	7351644.360	5045018.863	86.956
2316	34351234.449	5043981.916	131.862	7351619.262	5044984.793	0.707	0.413	43.979	7351619.969	5044985.206	87.883
2317	34351236.734	5043980.718	131.160	7351621.548	5044983.595	0.707	0.412	43.979	7351622.255	5044984.007	87.181
2318	34351237.829	5043980.155	130.809	7351622.643	5044983.032	0.707	0.412	43.979	7351623.350	5044983.444	86.830
2319	34351217.126	5043952.400	131.891	7351601.935	5044955.268	0.707	0.413	43.979	7351602.642	5044955.681	87.912
2320	34351218.842	5043951.023	131.355	7351603.652	5044953.891	0.706	0.413	43.979	7351604.358	5044954.304	87.376
2321	34351219.335	5043949.716	131.119	7351604.145	5044952.583	0.707	0.413	43.979	7351604.852	5044952.996	87.140
2322	34351196.311	5043917.646	132.219	7351581.115	5044920.503	0.707	0.414	43.979	7351581.822	5044920.917	88.240
2323	34351197.875	5043915.588	131.659	7351582.679	5044918.444	0.707	0.414	43.979	7351583.386	5044918.858	87.680
2324	34351198.716	5043914.753	131.342	7351583.521	5044917.609	0.706	0.414	43.979	7351584.227	5044918.023	87.363
2325	34351174.336	5043880.677	132.425	7351559.135	5044883.522	0.706	0.415	43.980	7351559.841	5044883.937	88.445
2326	34351176.403	5043878.912	131.766	7351561.202	5044881.757	0.707	0.414	43.980	7351561.909	5044882.171	87.786
2327	34351177.237	5043878.423	131.545	7351562.036	5044881.268	0.707	0.414	43.980	7351562.743	5044881.682	87.565
3011	34351852.582	5045047.991	128.625	7352237.547	5046051.204	0.716	0.410	43.968	7352238.263	5046051.614	84.657
3012	34351853.784	5045046.654	128.757	7352238.749	5046049.867	0.717	0.410	43.968	7352239.466	5046050.277	84.789
3013	34351854.915	5045046.033	128.819	7352239.881	5046049.246	0.716	0.409	43.968	7352240.597	5046049.655	84.851
3014	34351858.354	5045042.592	128.893	7352243.321	5046045.804	0.716	0.409	43.968	7352244.037	5046046.213	84.925
3015	34351860.938	5045037.454	128.836	7352245.906	5046040.664	0.716	0.410	43.968	7352246.622	5046041.074	84.868
3016	34351864.839	5045034.715	128.875	7352249.808	5046037.925	0.716	0.409	43.968	7352250.524	5046038.334	84.907
3017	34351868.412	5045031.512	128.926	7352253.382	5046034.721	0.716	0.409	43.968	7352254.098	5046035.130	84.958
3018	34351872.117	5045028.399	128.865	7352257.088	5046031.607	0.716	0.409	43.968	7352257.804	5046032.016	84.897
3019	34351875.335	5045024.200	128.825	7352260.307	5046027.407	0.716	0.409	43.968	7352261.023	5046027.816	84.857



3020	34351882.090	5045027.369	129.180	7352267.064	5046030.577	0.716	0.409	43.968	7352267.780	5046030.986	85.212
3021	34351883.483	5045026.388	129.176	7352268.458	5046029.596	0.715	0.409	43.968	7352269.173	5046030.005	85.208
3022	34351884.371	5045027.826	129.176	7352269.346	5046031.034	0.715	0.409	43.968	7352270.061	5046031.443	85.208
3023	34351883.042	5045028.639	129.233	7352268.017	5046031.847	0.715	0.409	43.968	7352268.732	5046032.256	85.265
3024	34351884.152	5045028.902	129.128	7352269.127	5046032.110	0.715	0.409	43.968	7352269.842	5046032.519	85.160
3025	34351880.946	5045017.436	128.840	7352265.920	5046020.641	0.715	0.409	43.968	7352266.635	5046021.050	84.872
3026	34351877.770	5045016.268	128.732	7352262.743	5046019.473	0.715	0.408	43.968	7352263.458	5046019.881	84.764
3027	34351863.171	5045000.298	128.683	7352248.140	5046003.497	0.715	0.409	43.968	7352248.855	5046003.906	84.715
3028	34351860.832	5045001.244	128.814	7352245.801	5046004.444	0.715	0.408	43.968	7352246.516	5046004.852	84.846
3029	34351856.320	5045003.245	128.888	7352241.287	5046006.445	0.715	0.409	43.968	7352242.002	5046006.854	84.920
3030	34351851.853	5045005.012	128.921	7352236.819	5046008.212	0.715	0.409	43.968	7352237.534	5046008.621	84.953
3031	34351847.344	5045006.630	128.846	7352232.309	5046009.831	0.715	0.409	43.968	7352233.024	5046010.240	84.878
3032	34351842.922	5045008.795	128.830	7352227.885	5046011.996	0.716	0.410	43.968	7352228.601	5046012.406	84.862
3033	34351838.376	5045011.008	128.775	7352223.338	5046014.210	0.715	0.409	43.968	7352224.053	5046014.619	84.807
3034	34351836.030	5045016.044	128.569	7352220.991	5046019.247	0.716	0.410	43.968	7352221.707	5046019.657	84.601
3035	34351836.079	5045020.328	128.420	7352221.040	5046023.532	0.716	0.410	43.968	7352221.756	5046023.942	84.452
3036	34351835.462	5045022.729	127.755	7352220.423	5046025.934	0.716	0.410	43.968	7352221.139	5046026.344	83.787
3037	34351837.071	5045012.997	128.559	7352222.032	5046016.199	0.716	0.410	43.968	7352222.748	5046016.609	84.591
3038	34351836.024	5045011.055	128.680	7352220.985	5046014.257	0.716	0.409	43.968	7352221.701	5046014.666	84.712
3039	34351832.132	5045008.870	128.727	7352217.092	5046012.071	0.716	0.409	43.968	7352217.808	5046012.480	84.759
3040	34351826.859	5044999.114	128.642	7352211.818	5046002.312	0.715	0.409	43.969	7352212.533	5046002.721	84.673
3041	34351821.843	5044988.619	128.714	7352206.801	5045991.814	0.715	0.409	43.969	7352207.516	5045992.223	84.745
3042	34351826.762	5044992.428	128.718	7352211.721	5045995.624	0.715	0.409	43.969	7352212.436	5045996.033	84.749
3043	34351828.447	5044990.470	128.572	7352213.406	5045993.665	0.716	0.410	43.969	7352214.122	5045994.075	84.603
3044	34351827.356	5044988.029	128.755	7352212.315	5045991.224	0.715	0.409	43.969	7352213.030	5045991.633	84.786
3045	34351821.804	5044983.909	128.723	7352206.762	5045987.102	0.715	0.409	43.969	7352207.477	5045987.511	84.754
3046	34351820.010	5044984.699	128.677	7352204.967	5045987.892	0.715	0.410	43.969	7352205.682	5045988.302	84.708
3047	34351817.143	5044975.098	128.798	7352202.100	5045978.288	0.714	0.410	43.969	7352202.814	5045978.698	84.829
3048	34351816.263	5044975.481	128.734	7352201.219	5045978.672	0.715	0.409	43.969	7352201.934	5045979.081	84.765
3049	34351810.540	5044961.172	128.879	7352195.495	5045964.358	0.715	0.409	43.969	7352196.210	5045964.767	84.910
3050	34351812.709	5044959.925	128.837	7352197.665	5045963.111	0.714	0.409	43.969	7352198.379	5045963.520	84.868
3051	34351817.921	5044964.663	128.733	7352202.878	5045967.850	0.715	0.409	43.969	7352203.593	5045968.259	84.764
3052	34351817.161	5044962.795	128.978	7352202.118	5045965.982	0.714	0.409	43.969	7352202.832	5045966.391	85.009
3053	34351819.360	5044971.341	128.843	7352204.317	5045974.530	0.715	0.409	43.969	7352205.032	5045974.939	84.874
3054	34351812.258	5044970.109	128.640	7352197.213	5045973.298	0.715	0.409	43.969	7352197.928	5045973.707	84.671
3055	34351809.759	5044971.648	127.313	7352194.713	5045974.837	0.715	0.409	43.969	7352195.428	5045975.246	83.344
3056	34351820.462	5044964.051	128.880	7352205.420	5045967.238	0.714	0.409	43.969	7352206.134	5045967.647	84.911
3057	34351824.240	5044961.050	128.957	7352209.199	5045964.236	0.714	0.409	43.969	7352209.913	5045964.645	84.988
3058	34351824.016	5044956.418	128.902	7352208.975	5045959.603	0.714	0.409	43.969	7352209.689	5045960.012	84.933
3059	34351828.235	5044958.397	128.929	7352213.195	5045961.583	0.715	0.408	43.969	7352213.910	5045961.991	84.960
3060	34351830.223	5044957.472	128.919	7352215.184	5045960.658	0.714	0.408	43.969	7352215.898	5045961.066	84.950
3061	34351832.606	5044954.472	128.535	7352217.568	5045957.657	0.714	0.408	43.969	7352218.282	5045958.065	84.566
3062	34351835.734	5044964.264	128.853	7352220.696	5045967.452	0.715	0.408	43.969	7352221.411	5045967.860	84.884
3063	34351837.965	5044962.107	128.411	7352222.928	5045965.294	0.714	0.409	43.969	7352223.642	5045965.703	84.442
3064	34351840.501	5044970.347	128.823	7352225.465	5045973.537	0.714	0.408	43.969	7352226.179	5045973.945	84.854
3065	34351843.843	5044968.723	129.092	7352228.808	5045971.912	0.714	0.409	43.968	7352229.522	5045972.321	85.124
3066	34351847.397	5044979.583	128.855	7352232.362	5045982.776	0.715	0.408	43.968	7352233.077	5045983.184	84.887
3067	34351849.338	5044978.170	128.621	7352234.304	5045981.362	0.714	0.409	43.968	7352235.018	5045981.771	84.653
3068	34351842.312	5044985.049	128.948	7352227.276	5045988.243	0.714	0.409	43.968	7352227.990	5045988.652	84.980



3069	34351824.375	5044950.246	128.930	7352209.334	5045953.429	0.714	0.409	43.969	7352210.048	5045953.838	84.961
3070	34351823.405	5044950.842	128.921	7352208.364	5045954.025	0.714	0.409	43.969	7352209.078	5045954.434	84.952
3071	34351819.206	5044943.190	128.934	7352204.164	5045946.371	0.714	0.408	43.969	7352204.878	5045946.779	84.965
3072	34351818.884	5044943.372	128.946	7352203.842	5045946.553	0.714	0.409	43.969	7352204.556	5045946.962	84.977
3073	34351823.041	5044940.588	128.443	7352208.000	5045943.768	0.714	0.409	43.969	7352208.714	5045944.177	84.474
3074	34351813.542	5044934.818	128.915	7352198.499	5045937.996	0.713	0.409	43.969	7352199.212	5045938.405	84.946
3075	34351809.275	5044937.094	128.926	7352194.230	5045940.273	0.714	0.408	43.969	7352194.944	5045940.681	84.957
3076	34351805.331	5044939.833	128.898	7352190.285	5045943.013	0.714	0.408	43.969	7352190.999	5045943.421	84.929
3077	34351798.315	5044932.476	128.832	7352183.267	5045935.653	0.714	0.409	43.969	7352183.981	5045936.062	84.863
3078	34351802.841	5044941.562	128.862	7352187.794	5045944.742	0.714	0.409	43.969	7352188.508	5045945.151	84.893
3079	34351802.536	5044941.739	128.771	7352187.489	5045944.919	0.714	0.409	43.969	7352188.203	5045945.328	84.802
3080	34351807.380	5044950.037	128.846	7352192.334	5045953.220	0.715	0.409	43.969	7352193.049	5045953.629	84.877
3081	34351806.253	5044950.640	128.829	7352191.207	5045953.823	0.714	0.409	43.969	7352191.921	5045954.232	84.860
3082	34351805.768	5044958.346	128.469	7352190.722	5045961.531	0.714	0.409	43.969	7352191.436	5045961.940	84.500
3083	34351809.823	5044964.773	128.753	7352194.778	5045967.960	0.714	0.409	43.969	7352195.492	5045968.369	84.784
3084	34351793.849	5044932.215	128.237	7352178.800	5045935.392	0.714	0.409	43.969	7352179.514	5045935.801	84.268
3085	34351794.650	5044924.837	128.874	7352179.601	5045928.012	0.714	0.408	43.969	7352180.315	5045928.420	84.905
3086	34351795.469	5044924.314	128.890	7352180.421	5045927.489	0.713	0.408	43.969	7352181.134	5045927.897	84.921
3087	34351798.048	5044924.006	128.908	7352183.000	5045927.181	0.714	0.408	43.969	7352183.714	5045927.589	84.939
3088	34351796.991	5044922.254	128.896	7352181.943	5045925.428	0.714	0.409	43.969	7352182.657	5045925.837	84.927
3089	34351798.477	5044920.040	128.941	7352183.430	5045923.213	0.713	0.409	43.969	7352184.143	5045923.622	84.972
3090	34351801.759	5044917.476	128.896	7352186.713	5045920.649	0.713	0.408	43.969	7352187.426	5045921.057	84.927
3091	34351804.994	5044912.958	128.586	7352189.949	5045916.130	0.713	0.408	43.969	7352190.662	5045916.538	84.617
3092	34351806.261	5044923.893	128.903	7352191.216	5045927.068	0.713	0.408	43.969	7352191.929	5045927.476	84.934
3093	34351797.260	5044911.320	128.923	7352182.213	5045914.491	0.713	0.408	43.969	7352182.926	5045914.899	84.954
3094	34351790.564	5044902.813	128.928	7352175.515	5045905.981	0.713	0.408	43.969	7352176.228	5045906.389	84.959
3095	34351788.771	5044904.452	128.967	7352173.721	5045907.621	0.713	0.408	43.969	7352174.434	5045908.029	84.998
3096	34351785.034	5044907.805	128.925	7352169.983	5045910.974	0.713	0.409	43.969	7352170.696	5045911.383	84.956
3097	34351789.869	5044915.354	128.880	7352174.819	5045918.526	0.714	0.408	43.969	7352175.533	5045918.934	84.911
3098	34351789.671	5044915.449	128.886	7352174.621	5045918.621	0.714	0.408	43.969	7352175.335	5045919.029	84.917
3099	34351776.956	5044902.229	128.640	7352161.903	5045905.397	0.713	0.408	43.969	7352162.616	5045905.805	84.671
3100	34351780.488	5044900.311	128.887	7352165.436	5045903.478	0.713	0.409	43.969	7352166.149	5045903.887	84.918
3101	34351784.231	5044897.250	128.960	7352169.180	5045900.416	0.713	0.409	43.969	7352169.893	5045900.825	84.991
3102	34351785.332	5044896.414	128.956	7352170.281	5045899.580	0.713	0.408	43.969	7352170.994	5045899.988	84.987
3103	34351790.501	5044891.100	128.531	7352175.452	5045894.265	0.713	0.408	43.969	7352176.165	5045894.673	84.562

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GriderWeb

Korisnik: Geosystem doo

Transformacija 7P (globalna) + Grid reziduala  
Interpolacija visina iz geoidnog modela SQM2011

[ ETRF2000 - GRS80 ]									[ GK - Bessel ]		
Naziv tacke	E [m]	N [m]	h [m]	yp [m]	xp [m]	kx [m]	ky [m]	U [m]	y [m]	x [m]	H [m]
3104	34351786.881	5044890.029	128.956	7352171.831	5045893.193	0.713	0.408	43.969	7352172.544	5045893.601	84.987
3105	34351786.135	5044885.359	129.040	7352171.085	5045888.522	0.713	0.408	43.969	7352171.798	5045888.930	85.071
3106	34351783.135	5044887.513	128.651	7352168.084	5045890.676	0.713	0.409	43.969	7352168.797	5045891.085	84.682
3107	34351780.885	5044884.614	128.746	7352165.833	5045887.776	0.713	0.409	43.969	7352166.546	5045888.185	84.777
3108	34351778.195	5044886.710	128.922	7352163.143	5045889.873	0.712	0.408	43.969	7352163.855	5045890.281	84.953
3109	34351777.822	5044886.940	128.940	7352162.770	5045890.103	0.712	0.408	43.969	7352163.482	5045890.511	84.971
3110	34351774.011	5044888.952	128.932	7352158.957	5045892.115	0.713	0.409	43.969	7352159.670	5045892.524	84.963
3111	34351773.534	5044889.328	128.942	7352158.480	5045892.492	0.713	0.408	43.969	7352159.193	5045892.900	84.973
3112	34351768.252	5044877.319	128.899	7352153.197	5045880.479	0.713	0.408	43.970	7352153.910	5045880.887	84.929
3113	34351766.798	5044877.729	129.352	7352151.743	5045880.889	0.712	0.408	43.970	7352152.455	5045881.297	85.382
3114	34351769.580	5044873.859	128.925	7352154.525	5045877.018	0.713	0.408	43.970	7352155.238	5045877.426	84.955
3115	34351776.251	5044869.671	128.695	7352161.199	5045872.829	0.712	0.408	43.970	7352161.911	5045873.237	84.725
3116	34351763.634	5044878.243	128.646	7352148.578	5045881.403	0.712	0.408	43.970	7352149.290	5045881.811	84.676
3117	34351759.220	5044866.283	129.212	7352144.163	5045869.439	0.712	0.409	43.970	7352144.875	5045869.848	85.242
3118	34351762.071	5044864.831	128.932	7352147.014	5045867.987	0.713	0.408	43.970	7352147.727	5045868.395	84.962
3119	34351762.984	5044863.471	128.917	7352147.928	5045866.627	0.712	0.408	43.970	7352148.640	5045867.035	84.947
3120	34351766.865	5044858.268	128.703	7352151.810	5045861.422	0.712	0.408	43.970	7352152.522	5045861.830	84.733
3121	34351762.031	5044853.636	129.002	7352146.975	5045856.789	0.712	0.408	43.970	7352147.687	5045857.197	85.032
3122	34351757.613	5044854.891	128.845	7352142.555	5045858.044	0.713	0.408	43.970	7352143.268	5045858.452	84.875
3123	34351757.180	5044855.139	128.854	7352142.122	5045858.292	0.712	0.408	43.970	7352142.834	5045858.700	84.884
3124	34351748.136	5044839.766	128.872	7352133.076	5045842.914	0.712	0.408	43.970	7352133.788	5045843.322	84.902
3125	34351754.338	5044835.287	128.835	7352139.280	5045838.434	0.712	0.408	43.970	7352139.992	5045838.842	84.865
3126	34351744.429	5044842.573	128.833	7352129.368	5045845.722	0.712	0.408	43.970	7352130.080	5045846.130	84.863
3127	34351741.042	5044837.137	128.698	7352125.980	5045840.284	0.712	0.408	43.970	7352126.692	5045840.692	84.728
3128	34351736.196	5044836.771	128.572	7352121.133	5045839.918	0.712	0.408	43.970	7352121.845	5045840.326	84.602
3129	34351734.010	5044837.911	127.323	7352118.946	5045841.058	0.712	0.408	43.970	7352119.658	5045841.466	83.353
3130	34351736.968	5044801.591	128.416	7352121.906	5045804.727	0.711	0.408	43.970	7352122.617	5045805.135	84.446
3131	34351736.152	5044808.224	128.314	7352121.090	5045811.362	0.711	0.408	43.970	7352121.801	5045811.770	84.344
3132	34351729.555	5044810.092	128.922	7352114.490	5045813.231	0.712	0.408	43.970	7352115.202	5045813.639	84.952
3133	34351724.652	5044811.439	128.946	7352109.586	5045814.578	0.711	0.408	43.970	7352110.297	5045814.986	84.976
3134	34351721.370	5044814.745	128.622	7352106.303	5045817.885	0.711	0.408	43.970	7352107.014	5045818.293	84.652
3135	34351728.221	5044780.368	128.120	7352113.157	5045783.498	0.710	0.407	43.970	7352113.867	5045783.905	84.150
3136	34351725.019	5044782.148	128.401	7352109.954	5045785.278	0.710	0.408	43.970	7352110.664	5045785.686	84.431
3137	34351728.891	5044792.873	128.501	7352113.827	5045796.007	0.711	0.407	43.970	7352114.538	5045796.414	84.531



3138	34351726.706	5044793.839	128.477	7352111.641	5045796.973	0.711	0.407	43.970	7352112.352	5045797.380	84.507
3139	34351721.285	5044786.847	128.224	7352106.219	5045789.979	0.710	0.407	43.970	7352106.929	5045790.386	84.254
3140	34351719.655	5044789.342	128.701	7352104.588	5045792.474	0.711	0.408	43.970	7352105.299	5045792.882	84.731
3141	34351717.523	5044790.727	128.972	7352102.455	5045793.860	0.711	0.407	43.970	7352103.166	5045794.267	85.002
3142	34351713.044	5044792.797	128.913	7352097.975	5045795.930	0.711	0.408	43.970	7352098.686	5045796.338	84.943
3143	34351707.656	5044794.438	128.352	7352092.585	5045797.571	0.712	0.408	43.970	7352093.297	5045797.979	84.382
3144	34351706.039	5044765.513	128.452	7352090.969	5045768.638	0.710	0.407	43.971	7352091.679	5045769.045	84.481
3145	34351704.891	5044766.303	128.689	7352089.820	5045769.428	0.711	0.408	43.971	7352090.531	5045769.836	84.718
3146	34351703.031	5044767.955	128.978	7352087.960	5045771.080	0.710	0.408	43.971	7352088.670	5045771.488	85.007
3147	34351698.469	5044769.379	128.903	7352083.396	5045772.505	0.711	0.407	43.971	7352084.107	5045772.912	84.932
3148	34351696.768	5044770.342	128.795	7352081.695	5045773.468	0.710	0.408	43.971	7352082.405	5045773.876	84.824
3149	34351694.385	5044771.641	127.572	7352079.311	5045774.767	0.711	0.408	43.971	7352080.022	5045775.175	83.601
3150	34351689.560	5044739.712	128.456	7352074.486	5045742.829	0.709	0.407	43.971	7352075.195	5045743.236	84.485
3151	34351688.691	5044740.350	128.646	7352073.616	5045743.467	0.710	0.407	43.971	7352074.326	5045743.874	84.675
3152	34351686.573	5044742.006	128.990	7352071.498	5045745.123	0.710	0.408	43.971	7352072.208	5045745.531	85.019
3153	34351683.139	5044744.799	128.895	7352068.063	5045747.917	0.710	0.408	43.971	7352068.773	5045748.325	84.924
3154	34351679.027	5044722.301	128.494	7352063.950	5045725.412	0.709	0.407	43.971	7352064.659	5045725.819	84.523
3155	34351677.772	5044722.955	128.656	7352062.695	5045726.066	0.709	0.408	43.971	7352063.404	5045726.474	84.685
3156	34351676.008	5044724.810	128.994	7352060.930	5045727.922	0.710	0.407	43.971	7352061.640	5045728.329	85.023
3157	34351671.110	5044725.432	128.944	7352056.031	5045728.544	0.709	0.407	43.971	7352056.740	5045728.951	84.973
3158	34351668.004	5044725.908	128.620	7352052.924	5045729.020	0.709	0.408	43.971	7352053.633	5045729.428	84.649
3159	34351665.651	5044726.538	127.680	7352050.570	5045729.650	0.710	0.408	43.971	7352051.280	5045730.058	83.709
3160	34351663.902	5044727.215	128.399	7352048.820	5045730.327	0.710	0.408	43.971	7352049.530	5045730.735	84.428
3161	34351661.768	5044727.733	127.979	7352046.686	5045730.845	0.710	0.408	43.971	7352047.396	5045731.253	84.008
3162	34351667.318	5044701.755	128.404	7352052.238	5045704.860	0.709	0.407	43.971	7352052.947	5045705.267	84.433
3163	34351665.542	5044702.723	128.671	7352050.462	5045705.828	0.709	0.407	43.971	7352051.171	5045706.235	84.700
3164	34351663.001	5044703.655	129.003	7352047.920	5045706.760	0.709	0.407	43.971	7352048.629	5045707.167	85.032
3165	34351660.146	5044707.649	128.958	7352045.064	5045710.755	0.709	0.408	43.971	7352045.773	5045711.163	84.987
3166	34351658.876	5044708.385	128.849	7352043.794	5045711.491	0.709	0.408	43.971	7352044.503	5045711.899	84.878
3167	34351652.696	5044678.430	128.378	7352037.613	5045681.527	0.708	0.407	43.971	7352038.321	5045681.934	84.407
3168	34351650.992	5044679.169	128.617	7352035.908	5045682.266	0.709	0.408	43.972	7352036.617	5045682.674	84.645
3169	34351648.906	5044680.583	128.963	7352033.821	5045683.681	0.709	0.407	43.972	7352034.530	5045684.088	84.991
3170	34351643.700	5044680.977	128.874	7352028.614	5045684.075	0.709	0.407	43.972	7352029.323	5045684.482	84.902
3171	34351641.585	5044683.206	128.713	7352026.498	5045686.304	0.709	0.408	43.972	7352027.207	5045686.712	84.741
3172	34351639.829	5044683.845	128.484	7352024.742	5045686.943	0.709	0.408	43.972	7352025.451	5045687.351	84.512
3173	34351637.016	5044690.150	128.036	7352021.928	5045693.250	0.709	0.408	43.972	7352022.637	5045693.658	84.064
3174	34351637.172	5044650.570	127.912	7352022.085	5045653.658	0.708	0.408	43.972	7352022.793	5045654.066	83.940
3175	34351634.657	5044651.264	128.415	7352019.569	5045654.353	0.708	0.407	43.972	7352020.277	5045654.760	84.443
3176	34351632.495	5044653.353	128.906	7352017.406	5045656.442	0.709	0.408	43.972	7352018.115	5045656.850	84.934
3177	34351626.500	5044652.651	128.629	7352011.410	5045655.740	0.708	0.407	43.972	7352012.118	5045656.147	84.657
3178	34351624.580	5044653.399	128.422	7352009.489	5045656.488	0.709	0.408	43.972	7352010.198	5045656.896	84.450
3179	34351627.258	5044638.171	128.280	7352012.168	5045641.255	0.709	0.408	43.972	7352012.877	5045641.663	84.308
3180	34351626.359	5044636.472	128.536	7352011.269	5045639.556	0.708	0.407	43.972	7352011.977	5045639.963	84.564
3181	34351621.559	5044623.971	127.758	7352006.468	5045627.051	0.708	0.407	43.972	7352007.176	5045627.458	83.786
3182	34351620.194	5044626.218	128.242	7352005.103	5045629.299	0.708	0.407	43.972	7352005.811	5045629.706	84.270
3183	34351617.142	5044627.441	128.934	7352002.050	5045630.522	0.708	0.407	43.972	7352002.758	5045630.929	84.962
3184	34351615.188	5044628.657	128.606	7352000.095	5045631.738	0.708	0.408	43.972	7352000.803	5045632.146	84.634
3185	34351612.783	5044629.817	128.551	7351997.689	5045632.898	0.709	0.408	43.972	7351998.398	5045633.306	84.579
3186	34351609.916	5044631.937	128.389	7351994.821	5045635.019	0.709	0.408	43.972	7351995.530	5045635.427	84.417



3187	34351607.577	5044632.951	127.271	7351992.482	5045636.033	0.708	0.408	43.972	7351993.190	5045636.441	83.299
3188	34351611.368	5044622.548	128.533	7351996.274	5045625.627	0.708	0.408	43.972	7351996.982	5045626.035	84.561
3189	34351600.850	5044591.666	128.202	7351985.754	5045594.736	0.708	0.407	43.972	7351986.462	5045595.143	84.230
3190	34351599.041	5044591.697	128.637	7351983.944	5045594.767	0.708	0.407	43.972	7351984.652	5045595.174	84.665
3191	34351596.585	5044592.694	129.024	7351981.488	5045595.764	0.707	0.408	43.972	7351982.195	5045596.172	85.052
3192	34351595.075	5044595.467	128.537	7351979.977	5045598.538	0.708	0.407	43.972	7351980.685	5045598.945	84.565
3193	34351592.727	5044596.853	128.505	7351977.628	5045599.924	0.708	0.408	43.972	7351978.336	5045600.332	84.533
3194	34351589.229	5044597.047	128.358	7351974.129	5045600.118	0.708	0.408	43.972	7351974.837	5045600.526	84.386
3195	34351587.157	5044598.995	127.073	7351972.057	5045602.067	0.708	0.408	43.973	7351972.765	5045602.475	83.100
3196	34351582.064	5044558.422	127.975	7351966.963	5045561.481	0.708	0.408	43.973	7351967.671	5045561.889	84.002
3197	34351580.501	5044559.148	128.477	7351965.400	5045562.207	0.707	0.408	43.973	7351966.107	5045562.615	84.504
3198	34351577.691	5044560.507	129.197	7351962.589	5045563.567	0.708	0.407	43.973	7351963.297	5045563.974	85.224
3199	34351574.934	5044560.945	128.847	7351959.831	5045564.005	0.708	0.408	43.973	7351960.539	5045564.413	84.874
3200	34351571.283	5044562.118	128.338	7351956.179	5045565.178	0.708	0.408	43.973	7351956.887	5045565.586	84.365
3201	34351566.484	5044563.912	127.928	7351951.378	5045566.972	0.708	0.408	43.973	7351952.086	5045567.380	83.955
3202	34351563.367	5044562.411	127.061	7351948.261	5045565.471	0.708	0.408	43.973	7351948.969	5045565.879	83.088
3203	34351556.832	5044515.770	128.023	7351941.725	5045518.816	0.707	0.407	43.973	7351942.432	5045519.223	84.050
3204	34351555.101	5044516.574	128.679	7351939.994	5045519.620	0.707	0.408	43.973	7351940.701	5045520.028	84.706
3205	34351555.554	5044517.973	128.594	7351940.447	5045521.019	0.707	0.408	43.973	7351941.154	5045521.427	84.621
3206	34351551.414	5044516.275	129.363	7351936.305	5045519.321	0.708	0.408	43.973	7351937.013	5045519.729	85.390
3207	34351549.335	5044517.165	128.884	7351934.226	5045520.211	0.707	0.408	43.973	7351934.933	5045520.619	84.911
3208	34351544.563	5044518.865	128.235	7351929.452	5045521.911	0.708	0.408	43.973	7351930.160	5045522.319	84.262
3209	34351540.835	5044520.165	127.949	7351925.723	5045523.212	0.708	0.408	43.973	7351926.431	5045523.620	83.976
3210	34351538.138	5044519.641	126.736	7351923.025	5045522.687	0.708	0.409	43.973	7351923.733	5045523.096	82.763
3211	34351535.693	5044481.929	128.569	7351920.581	5045484.964	0.707	0.408	43.974	7351921.288	5045485.372	84.595
3212	34351534.734	5044482.557	128.822	7351919.621	5045485.592	0.708	0.408	43.974	7351920.329	5045486.000	84.848
3213	34351532.151	5044483.730	129.495	7351917.038	5045486.766	0.707	0.407	43.974	7351917.745	5045487.173	85.521
3214	34351530.490	5044485.093	129.072	7351915.376	5045488.129	0.707	0.408	43.974	7351916.083	5045488.537	85.098
3215	34351527.223	5044490.277	128.207	7351912.108	5045493.314	0.707	0.408	43.974	7351912.815	5045493.722	84.233
3216	34351525.301	5044491.646	128.007	7351910.185	5045494.684	0.708	0.408	43.974	7351910.893	5045495.092	84.033
3217	34351520.036	5044454.522	128.282	7351904.920	5045457.549	0.707	0.407	43.974	7351905.627	5045457.956	84.308
3218	34351518.718	5044455.823	129.050	7351903.602	5045458.850	0.706	0.408	43.974	7351904.308	5045459.258	85.076
3219	34351515.980	5044456.687	129.650	7351900.863	5045459.714	0.707	0.408	43.974	7351901.570	5045460.122	85.676
3220	34351513.926	5044457.620	129.127	7351898.808	5045460.647	0.707	0.408	43.974	7351899.515	5045461.055	85.153
3221	34351512.168	5044459.670	128.724	7351897.049	5045462.698	0.708	0.408	43.974	7351897.757	5045463.106	84.750
3222	34351510.495	5044463.690	128.226	7351895.376	5045466.719	0.707	0.408	43.974	7351896.083	5045467.127	84.252
3223	34351507.266	5044464.178	127.956	7351892.146	5045467.207	0.707	0.408	43.974	7351892.853	5045467.615	83.982
3224	34351490.903	5044405.993	128.834	7351875.780	5045409.004	0.706	0.408	43.974	7351876.486	5045409.412	84.860
3225	34351489.945	5044408.027	129.310	7351874.821	5045411.039	0.707	0.408	43.974	7351875.528	5045411.447	85.336
3226	34351487.251	5044408.477	129.874	7351872.127	5045411.489	0.706	0.408	43.974	7351872.833	5045411.897	85.900
3227	34351485.392	5044410.218	129.387	7351870.267	5045413.230	0.707	0.408	43.974	7351870.974	5045413.638	85.413
3228	34351484.374	5044411.587	129.083	7351869.249	5045414.600	0.706	0.408	43.974	7351869.955	5045415.008	85.109
3229	34351483.049	5044413.388	128.131	7351867.923	5045416.401	0.707	0.408	43.974	7351868.630	5045416.809	84.157
3230	34351480.160	5044414.972	128.036	7351865.033	5045417.986	0.707	0.408	43.974	7351865.740	5045418.394	84.062
3231	34351472.266	5044415.360	127.413	7351857.137	5045418.373	0.707	0.409	43.974	7351857.844	5045418.782	83.439
3232	34351468.047	5044416.481	125.874	7351852.917	5045419.495	0.707	0.408	43.974	7351853.624	5045419.903	81.900
3233	34351468.618	5044368.761	129.265	7351853.489	5045371.760	0.707	0.408	43.975	7351854.196	5045372.168	85.290
3234	34351467.354	5044370.163	129.522	7351852.225	5045373.163	0.706	0.408	43.975	7351852.931	5045373.571	85.547
3235	34351465.366	5044371.483	130.069	7351850.236	5045374.483	0.707	0.408	43.975	7351850.943	5045374.891	86.094



3236	34351463.770	5044373.457	129.544	7351848.640	5045376.458	0.706	0.408	43.975	7351849.346	5045376.866	85.569
3237	34351462.997	5044374.398	129.300	7351847.866	5045377.399	0.707	0.408	43.975	7351848.573	5045377.807	85.325
3238	34351460.755	5044376.068	127.835	7351845.624	5045379.069	0.706	0.409	43.975	7351846.330	5045379.478	83.860
3239	34351458.229	5044379.664	128.050	7351843.097	5045382.666	0.707	0.409	43.975	7351843.804	5045383.075	84.075
3240	34351456.570	5044347.397	129.203	7351841.438	5045350.390	0.707	0.408	43.975	7351842.145	5045350.798	85.228
3241	34351454.719	5044348.740	129.568	7351839.587	5045351.733	0.706	0.408	43.975	7351840.293	5045352.141	85.593
3242	34351452.291	5044349.477	130.162	7351837.158	5045352.470	0.706	0.408	43.975	7351837.864	5045352.878	86.187
3243	34351451.576	5044353.021	129.589	7351836.443	5045356.015	0.706	0.408	43.975	7351837.149	5045356.423	85.614
3244	34351451.124	5044353.908	129.412	7351835.991	5045356.902	0.706	0.409	43.975	7351836.697	5045357.311	85.437
3245	34351448.654	5044355.587	127.835	7351833.520	5045358.582	0.706	0.408	43.975	7351834.226	5045358.990	83.860
3246	34351443.568	5044361.528	128.028	7351828.432	5045364.525	0.707	0.408	43.975	7351829.139	5045364.933	84.053
3247	34351434.213	5044310.462	129.535	7351819.076	5045313.443	0.706	0.408	43.975	7351819.782	5045313.851	85.560
3248	34351432.774	5044311.515	129.927	7351817.636	5045314.496	0.707	0.408	43.975	7351818.343	5045314.904	85.952
3249	34351429.979	5044311.940	130.336	7351814.840	5045314.921	0.707	0.408	43.975	7351815.547	5045315.329	86.361
3250	34351428.023	5044313.766	129.843	7351812.884	5045316.748	0.706	0.408	43.975	7351813.590	5045317.156	85.868
3251	34351426.195	5044314.043	129.616	7351811.055	5045317.025	0.707	0.408	43.975	7351811.762	5045317.433	85.641
3252	34351423.726	5044315.394	127.996	7351808.586	5045318.376	0.706	0.409	43.975	7351809.292	5045318.785	84.021
3253	34351418.642	5044323.151	127.966	7351803.500	5045326.135	0.706	0.409	43.975	7351804.206	5045326.544	83.991
3254	34351417.862	5044283.934	129.763	7351802.721	5045286.907	0.706	0.408	43.976	7351803.427	5045287.315	85.787
3255	34351416.873	5044284.664	130.070	7351801.731	5045287.637	0.707	0.408	43.976	7351802.438	5045288.045	86.094
3256	34351414.357	5044285.352	130.557	7351799.215	5045288.325	0.706	0.408	43.976	7351799.921	5045288.733	86.581
3257	34351412.039	5044286.085	130.141	7351796.896	5045289.058	0.706	0.408	43.976	7351797.602	5045289.466	86.165
3258	34351410.852	5044289.173	129.823	7351795.708	5045292.147	0.707	0.408	43.976	7351796.415	5045292.555	85.847
3259	34351409.218	5044291.688	128.042	7351794.074	5045294.663	0.706	0.408	43.976	7351794.780	5045295.071	84.066
3260	34351405.335	5044295.063	128.280	7351790.190	5045298.039	0.706	0.408	43.976	7351790.896	5045298.447	84.304
3261	34351402.598	5044296.318	127.992	7351787.452	5045299.294	0.706	0.409	43.976	7351788.158	5045299.703	84.016
3262	34351392.905	5044241.624	130.024	7351777.758	5045244.583	0.706	0.408	43.976	7351778.464	5045244.991	86.048
3263	34351391.603	5044242.422	130.275	7351776.455	5045245.381	0.706	0.409	43.976	7351777.161	5045245.790	86.299
3264	34351389.398	5044243.320	130.712	7351774.250	5045246.280	0.706	0.408	43.976	7351774.956	5045246.688	86.736
3265	34351386.471	5044242.728	130.333	7351771.322	5045245.687	0.706	0.409	43.976	7351772.028	5045246.096	86.357
3266	34351382.994	5044239.657	130.084	7351767.844	5045242.615	0.706	0.409	43.976	7351768.550	5045243.024	86.108
3267	34351380.025	5044240.553	128.635	7351764.874	5045243.512	0.706	0.408	43.976	7351765.580	5045243.920	84.659
3268	34351374.570	5044246.937	128.443	7351759.417	5045249.897	0.706	0.409	43.976	7351760.123	5045250.306	84.467
3269	34351370.644	5044249.028	128.613	7351755.490	5045251.989	0.706	0.409	43.976	7351756.196	5045252.398	84.637
3270	34351361.826	5044188.025	129.950	7351746.671	5045190.967	0.706	0.409	43.977	7351747.377	5045191.376	85.973
3271	34351360.582	5044189.789	130.504	7351745.427	5045192.732	0.705	0.408	43.977	7351746.132	5045193.140	86.527
3272	34351357.906	5044190.279	130.947	7351742.750	5045193.222	0.706	0.408	43.977	7351743.456	5045193.630	86.970
3273	34351356.182	5044192.005	130.447	7351741.025	5045194.948	0.706	0.409	43.977	7351741.731	5045195.357	86.470
3274	34351355.598	5044193.500	130.254	7351740.441	5045196.444	0.706	0.408	43.977	7351741.147	5045196.852	86.277
3275	34351353.122	5044195.522	128.542	7351737.964	5045198.466	0.706	0.409	43.977	7351738.670	5045198.875	84.565
3276	34351350.302	5044197.140	128.374	7351735.143	5045200.085	0.706	0.408	43.977	7351735.849	5045200.493	84.397
3277	34351347.958	5044198.949	128.676	7351732.799	5045201.894	0.706	0.409	43.977	7351733.505	5045202.303	84.699
3278	34351341.168	5044198.221	128.768	7351726.007	5045201.166	0.706	0.409	43.977	7351726.713	5045201.575	84.791
3279	34351337.964	5044201.648	128.981	7351722.801	5045204.594	0.707	0.409	43.977	7351723.508	5045205.003	85.004
3280	34351309.044	5044177.009	128.637	7351693.874	5045179.947	0.706	0.409	43.977	7351694.580	5045180.356	84.660
3281	34351316.976	5044169.825	128.722	7351701.808	5045172.761	0.707	0.409	43.977	7351702.515	5045173.170	84.745
3282	34351313.784	5044153.136	128.840	7351698.616	5045156.067	0.706	0.409	43.977	7351699.322	5045156.476	84.863
3283	34351315.130	5044145.791	128.836	7351699.962	5045148.719	0.707	0.409	43.977	7351700.669	5045149.128	84.859
3284	34351306.708	5044111.936	130.584	7351691.539	5045114.854	0.706	0.409	43.977	7351692.245	5045115.263	86.607



3285	34351308.218	5044110.964	130.863	7351693.049	5045113.882	0.706	0.409	43.977	7351693.755	5045114.291	86.886
3286	34351310.044	5044109.549	131.278	7351694.876	5045112.466	0.706	0.410	43.977	7351695.582	5045112.876	87.301
3287	34351288.844	5044081.074	130.782	7351673.671	5045083.982	0.706	0.410	43.978	7351674.377	5045084.392	86.804
3288	34351289.924	5044080.104	131.121	7351674.751	5045083.012	0.706	0.410	43.978	7351675.457	5045083.422	87.143
3289	34351269.018	5044047.473	130.990	7351653.840	5045050.371	0.706	0.411	43.978	7351654.546	5045050.782	87.012
3290	34351270.197	5044046.979	131.170	7351655.019	5045049.877	0.706	0.410	43.978	7351655.725	5045050.287	87.192
3291	34351253.031	5044019.943	131.238	7351637.849	5045022.832	0.706	0.412	43.978	7351638.555	5045023.244	87.260
3292	34351253.816	5044019.256	131.342	7351638.634	5045022.145	0.707	0.411	43.978	7351639.341	5045022.556	87.364
3293	34351229.594	5043982.023	131.256	7351614.406	5044984.900	0.707	0.413	43.979	7351615.113	5044985.313	87.277
3294	34351231.274	5043981.295	131.473	7351616.086	5044984.172	0.707	0.412	43.979	7351616.793	5044984.584	87.494
3295	34351212.822	5043952.619	131.473	7351597.630	5044955.487	0.707	0.413	43.979	7351598.337	5044955.900	87.494
3296	34351214.038	5043951.921	131.567	7351598.846	5044954.789	0.707	0.413	43.979	7351599.553	5044955.202	87.588
3297	34351192.798	5043919.416	131.634	7351577.601	5044922.273	0.706	0.414	43.980	7351578.307	5044922.687	87.654
3298	34351194.227	5043918.612	131.977	7351579.030	5044921.469	0.707	0.414	43.979	7351579.737	5044921.883	87.998
3299	34351172.310	5043882.426	132.072	7351557.108	5044885.272	0.706	0.414	43.980	7351557.814	5044885.686	88.092
3300	34351168.958	5043883.911	131.714	7351553.755	5044886.757	0.706	0.415	43.980	7351554.461	5044887.172	87.734
sp31a	34350494.663	5043440.408	129.357	7350879.273	5044443.102	0.712	0.433	43.989	7350879.985	5044443.535	85.368
sp31b	34350494.662	5043440.409	129.361	7350879.272	5044443.103	0.712	0.433	43.989	7350879.984	5044443.536	85.372
sp31c	34350494.663	5043440.409	129.367	7350879.273	5044443.103	0.712	0.433	43.989	7350879.985	5044443.536	85.378
sp32a	34350450.639	5043381.355	129.234	7350835.237	5044384.030	0.713	0.435	43.990	7350835.950	5044384.465	85.244
sp32b	34350450.635	5043381.354	129.234	7350835.233	5044384.029	0.713	0.435	43.990	7350835.946	5044384.464	85.244
sp32c	34350450.633	5043381.353	129.233	7350835.231	5044384.028	0.713	0.435	43.990	7350835.944	5044384.463	85.243
4001	34350568.186	5043538.491	129.937	7350952.815	5044541.216	0.710	0.430	43.988	7350953.525	5044541.646	85.949
4002	34350569.074	5043537.853	129.900	7350953.703	5044540.578	0.711	0.430	43.988	7350954.414	5044541.008	85.912
4003	34350570.959	5043536.595	129.161	7350955.588	5044539.320	0.711	0.429	43.988	7350956.299	5044539.749	85.173
4004	34350590.450	5043523.202	129.100	7350975.086	5044525.923	0.710	0.430	43.988	7350975.796	5044526.353	85.112
4005	34350613.862	5043507.032	129.104	7350998.505	5044509.749	0.710	0.430	43.988	7350999.215	5044510.179	85.116
4006	34350636.583	5043491.284	129.087	7351021.233	5044493.997	0.710	0.429	43.987	7351021.943	5044494.426	85.100
4007	34350618.090	5043458.345	129.134	7351002.736	5044461.048	0.710	0.430	43.988	7351003.446	5044461.478	85.146
4008	34350593.756	5043473.700	129.141	7350978.394	5044476.407	0.710	0.430	43.988	7350979.104	5044476.837	85.153
4009	34350574.100	5043489.126	129.082	7350958.732	5044491.837	0.710	0.430	43.988	7350959.442	5044492.267	85.094
4010	34350550.366	5043509.425	129.109	7350934.990	5044512.141	0.711	0.431	43.988	7350935.701	5044512.572	85.121
4011	34350549.499	5043510.061	129.356	7350934.123	5044512.777	0.711	0.431	43.988	7350934.834	5044513.208	85.368
4012	34350535.750	5043492.596	129.417	7350920.370	5044495.306	0.712	0.432	43.988	7350921.082	5044495.738	85.429
4013	34350537.233	5043491.492	129.087	7350921.854	5044494.202	0.711	0.431	43.988	7350922.565	5044494.633	85.099
4014	34350527.171	5043479.892	129.322	7350911.789	5044482.598	0.712	0.432	43.989	7350912.501	5044483.030	85.333
4015	34350554.827	5043478.590	129.116	7350939.453	5044481.297	0.711	0.431	43.988	7350940.164	5044481.728	85.128
4016	34350578.575	5043461.194	129.047	7350963.209	5044463.896	0.711	0.431	43.988	7350963.920	5044464.327	85.059
4017	34350597.855	5043422.611	129.099	7350982.496	5044425.302	0.710	0.431	43.988	7350983.206	5044425.733	85.111
4018	34350590.095	5043414.223	129.036	7350974.734	5044416.912	0.710	0.431	43.988	7350975.444	5044417.343	85.048
4019	34350567.629	5043439.815	129.070	7350952.260	5044442.511	0.711	0.431	43.988	7350952.971	5044442.942	85.082
4020	34350553.627	5043450.291	129.137	7350938.254	5044452.989	0.711	0.432	43.988	7350938.965	5044453.421	85.149
4021	34350539.178	5043460.412	129.014	7350923.800	5044463.113	0.712	0.432	43.989	7350924.512	5044463.545	85.025
4022	34350543.103	5043452.279	129.074	7350927.727	5044454.978	0.711	0.431	43.989	7350928.438	5044455.409	85.085
4023	34350563.727	5043471.370	129.061	7350948.356	5044474.075	0.711	0.431	43.988	7350949.067	5044474.506	85.073
4024	34350574.588	5043487.480	129.094	7350959.220	5044490.190	0.711	0.431	43.988	7350959.931	5044490.621	85.106
4025	34350602.582	5043493.845	129.089	7350987.222	5044496.558	0.710	0.430	43.988	7350987.932	5044496.988	85.101
4026	34350587.903	5043503.552	129.127	7350972.539	5044506.267	0.710	0.430	43.988	7350973.249	5044506.697	85.139
4027	34350571.988	5043514.045	129.097	7350956.618	5044516.763	0.711	0.430	43.988	7350957.329	5044517.193	85.109



4028	34350559.940	5043522.804	129.119	7350944.567	5044525.524	0.711	0.430	43.988	7350945.278	5044525.954	85.131
4029	34350558.694	5043523.518	129.679	7350943.320	5044526.238	0.711	0.431	43.988	7350944.031	5044526.669	85.691
4030	34350573.072	5043542.683	129.977	7350957.702	5044545.409	0.710	0.430	43.988	7350958.412	5044545.839	85.989
4031	34350574.460	5043541.398	129.130	7350959.090	5044544.124	0.711	0.430	43.988	7350959.801	5044544.554	85.142
4032	34350585.522	5043530.539	129.061	7350970.156	5044533.262	0.710	0.430	43.988	7350970.866	5044533.692	85.073
4033	34350586.536	5043531.787	128.645	7350971.170	5044534.511	0.710	0.429	43.988	7350971.880	5044534.940	84.657
4034	34350598.612	5043520.920	129.052	7350983.250	5044523.641	0.710	0.429	43.988	7350983.960	5044524.070	85.064
4035	34350599.330	5043521.852	128.838	7350983.968	5044524.573	0.710	0.430	43.988	7350984.678	5044525.003	84.850
4036	34350613.919	5043510.334	129.069	7350998.562	5044513.052	0.710	0.429	43.988	7350999.272	5044513.481	85.081
4037	34350614.366	5043511.129	128.901	7350999.009	5044513.847	0.710	0.430	43.988	7350999.719	5044514.277	84.913
4038	34350629.591	5043500.613	129.075	7351014.239	5044503.329	0.709	0.429	43.987	7351014.948	5044503.758	85.088
4039	34350639.716	5043496.209	128.988	7351024.367	5044498.924	0.709	0.429	43.987	7351025.076	5044499.353	85.001
4040	34350640.808	5043496.781	128.480	7351025.459	5044499.496	0.709	0.429	43.987	7351026.168	5044499.925	84.493
4041	34350636.055	5043486.822	128.664	7351020.705	5044489.534	0.710	0.429	43.987	7351021.415	5044489.963	84.677
4042	34350635.201	5043487.204	129.062	7351019.851	5044489.916	0.709	0.429	43.987	7351020.560	5044490.345	85.075
4043	34350631.463	5043502.485	127.779	7351016.112	5044505.201	0.709	0.429	43.987	7351016.821	5044505.630	83.792
4044	34350638.841	5043517.284	127.690	7351023.491	5044520.005	0.709	0.429	43.987	7351024.200	5044520.434	83.703
4045	34350629.292	5043523.620	127.204	7351013.939	5044526.342	0.709	0.429	43.987	7351014.648	5044526.771	83.217
4046	34350619.283	5043511.191	127.141	7351003.928	5044513.909	0.709	0.430	43.987	7351004.637	5044514.339	83.154
4047	34350609.370	5043518.677	126.608	7350994.011	5044521.397	0.710	0.430	43.988	7350994.721	5044521.827	82.620
4048	34350618.450	5043532.093	126.670	7351003.094	5044534.818	0.709	0.429	43.987	7351003.803	5044535.247	82.683
4049	34350605.134	5043542.835	126.066	7350989.773	5044545.562	0.710	0.430	43.987	7350990.483	5044545.992	82.079
4050	34350593.032	5043532.289	126.057	7350977.668	5044535.013	0.710	0.430	43.988	7350978.378	5044535.443	82.069
4051	34350584.383	5043538.883	126.318	7350969.016	5044541.609	0.711	0.429	43.988	7350969.727	5044542.038	82.330
4052	34350595.767	5043552.862	126.424	7350980.403	5044555.592	0.710	0.429	43.988	7350981.113	5044556.021	82.436
4053	34350617.779	5043581.116	127.057	7351002.421	5044583.855	0.709	0.429	43.987	7351003.130	5044584.284	83.070
4054	34350619.331	5043580.453	126.981	7351003.974	5044583.192	0.709	0.429	43.987	7351004.683	5044583.621	82.994
4055	34350619.933	5043582.026	127.077	7351004.576	5044584.766	0.709	0.428	43.987	7351005.285	5044585.194	83.090
4056	34350627.345	5043580.178	127.547	7351011.990	5044582.917	0.709	0.429	43.987	7351012.699	5044583.346	83.560
4057	34350620.745	5043563.851	126.199	7351005.388	5044566.585	0.710	0.429	43.987	7351006.098	5044567.014	82.212
4058	34350625.313	5043543.362	126.708	7351009.958	5044546.090	0.710	0.429	43.987	7351010.668	5044546.519	82.721
4059	34350644.793	5043546.238	127.359	7351029.444	5044548.968	0.709	0.428	43.987	7351030.153	5044549.396	83.372
4060	34350586.675	5043561.119	130.385	7350971.308	5044563.851	0.711	0.430	43.988	7350972.019	5044564.281	86.397
4061	34350436.311	5043435.229	129.315	7350820.904	5044437.919	0.713	0.435	43.990	7350821.617	5044438.354	85.325
sp34a	34350503.294	5043265.358	129.430	7350887.912	5044268.000	0.711	0.435	43.990	7350888.623	5044268.435	85.440
sp34b	34350503.293	5043265.362	129.424	7350887.911	5044268.004	0.711	0.435	43.990	7350888.622	5044268.439	85.434
sp34c	34350503.287	5043265.359	129.416	7350887.905	5044268.001	0.711	0.435	43.990	7350888.616	5044268.436	85.426
sp35a	34350506.124	5043292.734	128.841	7350890.742	5044295.384	0.711	0.435	43.990	7350891.453	5044295.819	84.851
sp35b	34350506.120	5043292.735	128.843	7350890.738	5044295.385	0.711	0.435	43.990	7350891.449	5044295.820	84.853
sp35c	34350506.125	5043292.737	128.839	7350890.743	5044295.387	0.711	0.435	43.990	7350891.454	5044295.822	84.849
4147	34350519.706	5043289.807	129.070	7350904.328	5044292.457	0.711	0.434	43.990	7350905.039	5044292.891	85.080
4148	34350529.622	5043301.546	129.101	7350914.246	5044304.199	0.712	0.435	43.989	7350914.958	5044304.634	85.112
4149	34350541.102	5043322.061	129.278	7350925.729	5044324.721	0.711	0.433	43.989	7350926.440	5044325.154	85.289
4150	34350538.432	5043343.142	129.164	7350923.058	5044345.808	0.711	0.433	43.989	7350923.769	5044346.241	85.175
4151	34350539.483	5043344.495	129.149	7350924.109	5044347.161	0.711	0.434	43.989	7350924.820	5044347.595	85.160
4152	34350554.624	5043351.976	129.064	7350939.254	5044354.645	0.711	0.433	43.989	7350939.965	5044355.078	85.075
4153	34350557.215	5043350.607	129.192	7350941.846	5044353.276	0.711	0.433	43.989	7350942.557	5044353.709	85.203
4214	34350599.755	5043239.678	128.896	7350984.402	5044242.315	0.711	0.433	43.989	7350985.113	5044242.748	84.907
4215	34350599.679	5043243.104	129.011	7350984.326	5044245.742	0.710	0.433	43.989	7350985.036	5044246.175	85.022



4216	34350595.856	5043256.458	128.467	7350980.501	5044259.100	0.711	0.433	43.989	7350981.212	5044259.533	84.478
4217	34350587.275	5043261.754	128.801	7350971.918	5044264.397	0.710	0.434	43.989	7350972.628	5044264.831	84.812
4218	34350602.786	5043248.976	128.796	7350987.434	5044251.616	0.710	0.433	43.989	7350988.144	5044252.049	84.807
4219	34350610.532	5043248.457	128.743	7350995.182	5044251.097	0.710	0.433	43.989	7350995.892	5044251.530	84.754
4220	34350615.559	5043250.292	128.773	7351000.210	5044252.933	0.711	0.432	43.989	7351000.921	5044253.365	84.784
4221	34350620.082	5043251.072	128.784	7351004.735	5044253.713	0.710	0.433	43.989	7351005.445	5044254.146	84.795
4222	34350618.996	5043257.039	128.696	7351003.648	5044259.682	0.710	0.432	43.989	7351004.358	5044260.114	84.707
4223	34350614.845	5043256.350	128.763	7350999.496	5044258.992	0.710	0.433	43.989	7351000.206	5044259.425	84.774
4224	34350617.787	5043254.675	126.507	7351002.439	5044257.317	0.710	0.433	43.989	7351003.149	5044257.750	82.518
4225	34350624.159	5043259.680	128.704	7351008.813	5044262.324	0.710	0.432	43.988	7351009.523	5044262.756	84.716
4226	34350618.765	5043266.521	128.700	7351003.417	5044269.167	0.710	0.432	43.989	7351004.127	5044269.599	84.711
4227	34350610.606	5043270.435	128.747	7350995.255	5044273.082	0.711	0.432	43.989	7350995.966	5044273.514	84.758
4228	34350615.653	5043282.944	128.627	7351000.303	5044285.594	0.711	0.433	43.988	7351001.014	5044286.027	84.639
4229	34350622.089	5043279.908	128.595	7351006.742	5044282.558	0.710	0.432	43.988	7351007.452	5044282.990	84.607
4230	34350629.231	5043279.517	129.729	7351013.886	5044282.167	0.710	0.432	43.988	7351014.596	5044282.599	85.741
4231	34350627.813	5043289.704	127.733	7351012.467	5044292.357	0.710	0.432	43.988	7351013.177	5044292.789	83.745
4232	34350630.606	5043282.091	128.486	7351015.261	5044284.742	0.710	0.432	43.988	7351015.971	5044285.174	84.498
4233	34350632.318	5043283.450	127.651	7351016.973	5044286.101	0.710	0.432	43.988	7351017.683	5044286.533	83.663
4234	34350629.189	5043277.590	128.553	7351013.844	5044280.239	0.710	0.432	43.988	7351014.554	5044280.671	84.565
4235	34350625.407	5043271.178	128.820	7351010.061	5044273.825	0.710	0.432	43.988	7351010.771	5044274.257	84.832
4236	34350634.779	5043257.564	128.567	7351019.436	5044260.207	0.710	0.433	43.988	7351020.146	5044260.640	84.579
4237	34350644.287	5043259.919	129.093	7351028.947	5044262.563	0.710	0.432	43.988	7351029.657	5044262.995	85.105
4238	34350648.080	5043266.270	128.725	7351032.741	5044268.916	0.709	0.432	43.988	7351033.450	5044269.348	84.737
4239	34350652.520	5043260.813	128.703	7351037.182	5044263.458	0.710	0.432	43.988	7351037.892	5044263.890	84.715
4240	34350608.865	5043244.167	129.019	7350993.515	5044246.806	0.710	0.433	43.989	7350994.225	5044247.239	85.030
4241	34350610.062	5043235.044	128.678	7350994.712	5044237.680	0.711	0.433	43.989	7350995.423	5044238.113	84.689
4242	34350617.831	5043245.932	129.044	7351002.483	5044248.571	0.710	0.433	43.989	7351003.193	5044249.004	85.055
4243	34350625.494	5043247.788	129.095	7351010.148	5044250.428	0.711	0.433	43.989	7351010.859	5044250.861	85.106
4244	34350631.584	5043235.936	129.187	7351016.241	5044238.573	0.710	0.432	43.989	7351016.951	5044239.005	85.198
4245	34350634.132	5043247.156	128.975	7351018.789	5044249.796	0.710	0.433	43.988	7351019.499	5044250.229	84.987
4246	34350633.721	5043250.216	129.112	7351018.378	5044252.857	0.710	0.432	43.988	7351019.088	5044253.289	85.124
4247	34350632.679	5043253.448	128.875	7351017.335	5044256.090	0.710	0.432	43.988	7351018.045	5044256.522	84.887
4248	34350643.832	5043253.570	129.123	7351028.492	5044256.213	0.710	0.431	43.988	7351029.202	5044256.644	85.135
4249	34350644.856	5043250.709	128.926	7351029.516	5044253.351	0.710	0.432	43.988	7351030.226	5044253.783	84.938
4250	34350653.656	5043247.236	128.937	7351038.319	5044249.877	0.710	0.432	43.988	7351039.029	5044250.309	84.949
4251	34350655.736	5043258.523	129.190	7351040.399	5044261.167	0.710	0.432	43.988	7351041.109	5044261.599	85.202
4252	34350656.488	5043264.622	128.768	7351041.151	5044267.268	0.710	0.432	43.988	7351041.861	5044267.700	84.780
4253	34350661.573	5043264.088	128.875	7351046.238	5044266.734	0.709	0.432	43.988	7351046.947	5044267.166	84.887
4254	34350665.202	5043265.058	129.069	7351049.868	5044267.705	0.709	0.431	43.988	7351050.577	5044268.136	85.081
4255	34350662.949	5043272.094	126.620	7351047.614	5044274.743	0.709	0.431	43.988	7351048.323	5044275.174	82.632
4256	34350657.840	5043269.281	127.038	7351042.503	5044271.929	0.710	0.431	43.988	7351043.213	5044272.360	83.050
4257	34350670.372	5043265.589	129.092	7351055.039	5044268.236	0.710	0.431	43.988	7351055.749	5044268.667	85.104
4258	34350675.960	5043264.385	128.968	7351060.629	5044267.032	0.709	0.431	43.988	7351061.338	5044267.463	84.980
4259	34350667.552	5043255.049	128.818	7351052.219	5044257.693	0.709	0.431	43.988	7351052.928	5044258.124	84.830
4260	34350605.806	5043219.356	128.880	7350990.455	5044221.987	0.711	0.434	43.989	7350991.166	5044222.421	84.891
4261	34350688.867	5043273.559	128.888	7351073.540	5044276.209	0.709	0.430	43.988	7351074.249	5044276.639	84.900
4262	34350691.160	5043271.525	127.980	7351075.833	5044274.174	0.709	0.431	43.988	7351076.542	5044274.605	83.992
4263	34350700.014	5043263.078	127.504	7351084.690	5044265.725	0.709	0.430	43.988	7351085.399	5044266.155	83.516
4264	34350689.374	5043275.576	128.894	7351074.047	5044278.226	0.709	0.431	43.988	7351074.756	5044278.657	84.906



4265	34350687.957	5043278.137	128.932	7351072.629	5044280.788	0.709	0.431	43.988	7351073.338	5044281.219	84.944
4266	34350685.177	5043281.659	126.695	7351069.848	5044284.311	0.709	0.431	43.988	7351070.557	5044284.742	82.707
4267	34350705.878	5043286.604	128.817	7351090.555	5044289.258	0.709	0.430	43.987	7351091.264	5044289.688	84.830
4268	34350707.249	5043284.592	128.877	7351091.927	5044287.246	0.708	0.430	43.987	7351092.635	5044287.676	84.890
4269	34350708.838	5043282.901	127.618	7351093.516	5044285.554	0.709	0.430	43.987	7351094.225	5044285.984	83.631
4270	34350713.367	5043274.722	127.441	7351098.047	5044277.373	0.709	0.430	43.987	7351098.756	5044277.803	83.454
4271	34350704.350	5043290.696	128.803	7351089.027	5044293.351	0.708	0.430	43.987	7351089.735	5044293.781	84.816
4272	34350699.386	5043293.184	126.392	7351084.061	5044295.840	0.709	0.430	43.987	7351084.770	5044296.270	82.405
4273	34350695.975	5043285.752	128.867	7351080.649	5044288.406	0.709	0.430	43.988	7351081.358	5044288.836	84.879
4274	34350714.336	5043308.126	125.982	7351099.015	5044310.787	0.709	0.429	43.987	7351099.724	5044311.216	81.995
4275	34350719.531	5043302.186	128.919	7351104.212	5044304.845	0.708	0.430	43.987	7351104.920	5044305.275	84.932
4276	34350721.683	5043306.914	128.531	7351106.364	5044309.575	0.709	0.429	43.987	7351107.073	5044310.004	84.544
4277	34350721.567	5043300.150	128.969	7351106.248	5044302.809	0.709	0.429	43.987	7351106.957	5044303.238	84.982
4278	34350725.206	5043296.590	128.835	7351109.889	5044299.248	0.708	0.429	43.987	7351110.597	5044299.677	84.848
4279	34350728.641	5043293.256	126.626	7351113.325	5044295.913	0.708	0.429	43.987	7351114.033	5044296.342	82.639
4280	34350719.724	5043291.351	128.529	7351104.405	5044294.007	0.709	0.430	43.987	7351105.114	5044294.437	84.542
4281	34350734.067	5043308.659	128.616	7351118.752	5044311.321	0.708	0.429	43.987	7351119.460	5044311.750	84.629
4282	34350742.662	5043299.932	123.229	7351127.350	5044302.591	0.708	0.429	43.987	7351128.058	5044303.020	79.242
4283	34350731.570	5043310.640	129.040	7351116.254	5044313.302	0.708	0.429	43.987	7351116.962	5044313.731	85.053
4284	34350729.487	5043311.820	128.638	7351114.170	5044314.482	0.709	0.430	43.987	7351114.879	5044314.912	84.651
4285	34350725.749	5043316.479	126.497	7351110.431	5044319.143	0.708	0.429	43.987	7351111.139	5044319.572	82.510
4286	34350725.460	5043324.122	125.776	7351110.142	5044326.788	0.708	0.429	43.987	7351110.850	5044327.217	81.789
4287	34350718.191	5043348.984	125.349	7351102.870	5044351.657	0.708	0.429	43.987	7351103.578	5044352.086	81.362
4288	34350726.465	5043343.092	125.354	7351111.147	5044345.764	0.708	0.429	43.987	7351111.855	5044346.193	81.367
4289	34350738.600	5043331.460	126.562	7351123.286	5044334.129	0.708	0.428	43.987	7351123.994	5044334.557	82.575
4290	34350742.348	5043327.951	128.800	7351127.035	5044330.619	0.708	0.428	43.987	7351127.743	5044331.047	84.813
4291	34350744.594	5043326.076	128.927	7351129.282	5044328.743	0.707	0.429	43.987	7351129.989	5044329.172	84.940
4292	34350746.846	5043323.347	128.659	7351131.534	5044326.013	0.708	0.429	43.987	7351132.242	5044326.442	84.672
4293	34350735.623	5043315.152	129.049	7351120.308	5044317.816	0.708	0.429	43.987	7351121.016	5044318.245	85.062
4294	34350737.925	5043313.549	128.856	7351122.611	5044316.212	0.708	0.429	43.987	7351123.319	5044316.641	84.869
4295	34350732.837	5043316.539	128.761	7351117.521	5044319.203	0.708	0.429	43.987	7351118.229	5044319.632	84.774
4296	34350748.456	5043335.787	129.225	7351133.144	5044338.457	0.708	0.429	43.987	7351133.852	5044338.886	85.238
4297	34350752.109	5043336.287	128.956	7351136.798	5044338.957	0.708	0.429	43.987	7351137.506	5044339.386	84.969
4298	34350754.107	5043334.618	128.920	7351138.797	5044337.288	0.708	0.428	43.987	7351139.505	5044337.716	84.933
4299	34350750.196	5043337.152	128.827	7351134.885	5044339.823	0.708	0.428	43.987	7351135.593	5044340.251	84.840
4300	34350747.126	5043341.846	126.532	7351131.814	5044344.518	0.708	0.428	43.987	7351132.522	5044344.946	82.545
4301	34350736.962	5043351.023	125.176	7351121.647	5044353.697	0.707	0.429	43.987	7351122.354	5044354.126	81.189
4302	34350770.064	5043338.613	123.247	7351154.759	5044341.285	0.707	0.428	43.987	7351155.466	5044341.713	79.260
4303	34350763.270	5043347.404	128.882	7351147.962	5044350.078	0.708	0.428	43.987	7351148.670	5044350.506	84.895
4304	34350761.388	5043349.346	128.924	7351146.080	5044352.021	0.707	0.428	43.987	7351146.787	5044352.449	84.937
4305	34350759.215	5043350.926	128.720	7351143.906	5044353.601	0.708	0.428	43.987	7351144.614	5044354.029	84.733
4306	34350754.130	5043353.078	126.466	7351138.820	5044355.754	0.707	0.428	43.987	7351139.527	5044356.182	82.479
4307	34350743.097	5043361.585	125.284	7351127.783	5044364.263	0.708	0.428	43.987	7351128.491	5044364.691	81.297
4308	34350766.051	5043372.652	126.705	7351150.744	5044375.334	0.707	0.427	43.986	7351151.451	5044375.761	82.719
4309	34350763.524	5043373.225	126.387	7351148.216	5044375.907	0.707	0.427	43.986	7351148.923	5044376.334	82.401
4310	34350771.619	5043368.123	128.677	7351156.313	5044370.804	0.707	0.427	43.986	7351157.020	5044371.231	84.691
4311	34350773.530	5043366.989	128.860	7351158.225	5044369.669	0.707	0.428	43.986	7351158.932	5044370.097	84.874
4312	34350775.164	5043365.451	128.502	7351159.859	5044368.131	0.707	0.427	43.986	7351160.566	5044368.558	84.516
4313	34350792.047	5043389.897	128.562	7351176.747	5044392.585	0.706	0.426	43.986	7351177.453	5044393.011	84.576



4314	34350789.509	5043391.234	128.877	7351174.208	5044393.922	0.706	0.427	43.986	7351174.914	5044394.349	84.891
4315	34350787.369	5043392.399	128.653	7351172.067	5044395.087	0.707	0.427	43.986	7351172.774	5044395.514	84.667
4316	34350777.635	5043394.762	125.112	7351162.330	5044397.451	0.707	0.427	43.986	7351163.037	5044397.878	81.126
4317	34350796.390	5043386.794	125.074	7351181.091	5044389.481	0.707	0.427	43.986	7351181.798	5044389.908	81.088
4318	34350800.672	5043385.706	123.799	7351185.374	5044388.393	0.707	0.426	43.986	7351186.081	5044388.819	79.813
4319	34350772.817	5043370.697	129.222	7351157.512	5044373.378	0.707	0.428	43.986	7351158.219	5044373.806	85.236
4320	34350797.252	5043408.693	128.490	7351181.953	5044411.386	0.706	0.427	43.986	7351182.659	5044411.813	84.504
4321	34350807.116	5043436.346	125.987	7351191.819	5044439.048	0.705	0.426	43.986	7351192.524	5044439.474	82.001
4322	34350801.175	5043424.054	126.422	7351185.876	5044426.752	0.706	0.426	43.986	7351186.582	5044427.178	82.436
4323	34350793.386	5043418.768	126.406	7351178.085	5044421.464	0.706	0.427	43.986	7351178.791	5044421.891	82.420
4324	34350793.151	5043421.106	127.084	7351177.850	5044423.803	0.706	0.427	43.986	7351178.556	5044424.230	83.098
4325	34350793.746	5043436.344	125.874	7351178.445	5044439.046	0.706	0.426	43.986	7351179.151	5044439.472	81.888
4326	34350789.690	5043435.825	124.783	7351174.388	5044438.526	0.706	0.427	43.986	7351175.094	5044438.953	80.797
4327	34350787.722	5043424.547	125.074	7351172.419	5044427.245	0.707	0.427	43.986	7351173.126	5044427.672	81.088
4328	34350770.430	5043411.416	124.820	7351155.123	5044414.109	0.706	0.428	43.986	7351155.829	5044414.537	80.834
4329	34350746.238	5043384.430	125.310	7351130.924	5044387.115	0.708	0.428	43.987	7351131.632	5044387.543	81.323
4330	34350690.752	5043316.293	125.960	7351075.424	5044318.956	0.709	0.430	43.987	7351076.133	5044319.386	81.973
4331	34350672.243	5043313.359	126.366	7351056.909	5044316.020	0.710	0.431	43.988	7351057.619	5044316.451	82.378
4332	34350664.112	5043302.861	126.448	7351048.776	5044305.519	0.710	0.431	43.988	7351049.486	5044305.950	82.460
4333	34350452.612	5043271.096	123.087	7350837.214	5044273.738	0.713	0.437	43.990	7350837.927	5044274.175	79.097
4334	34350463.983	5043264.320	123.374	7350848.589	5044266.960	0.712	0.437	43.990	7350849.301	5044267.397	79.384
4335	34350478.914	5043253.656	123.139	7350863.525	5044256.294	0.712	0.436	43.990	7350864.237	5044256.730	79.149
4336	34350503.889	5043238.663	123.098	7350888.508	5044241.297	0.711	0.436	43.990	7350889.219	5044241.733	79.108
4337	34350379.552	5043310.211	123.821	7350764.131	5044312.862	0.715	0.438	43.991	7350764.846	5044313.300	79.830
4338	34350377.611	5043308.070	122.995	7350762.190	5044310.721	0.714	0.438	43.991	7350762.904	5044311.159	79.004
4339	34350370.970	5043312.992	122.997	7350755.547	5044315.644	0.714	0.438	43.991	7350756.261	5044316.082	79.006
4340	34350369.364	5043316.645	123.803	7350753.940	5044319.298	0.715	0.438	43.991	7350754.655	5044319.736	79.812
4341	34350368.768	5043316.402	123.096	7350753.344	5044319.055	0.714	0.438	43.991	7350754.058	5044319.493	79.105
4342	34350368.514	5043318.251	123.819	7350753.090	5044320.904	0.714	0.439	43.991	7350753.804	5044321.343	79.828
4343	34350368.151	5043320.137	123.807	7350752.727	5044322.791	0.714	0.438	43.991	7350753.441	5044323.229	79.816
4344	34350366.875	5043320.003	123.046	7350751.450	5044322.657	0.715	0.438	43.991	7350752.165	5044323.095	79.055
4345	34350371.552	5043330.679	123.932	7350756.128	5044333.336	0.715	0.438	43.991	7350756.843	5044333.774	79.941
4346	34350362.103	5043335.981	123.015	7350746.676	5044338.640	0.715	0.438	43.991	7350747.391	5044339.078	79.024
4347	34350365.586	5043330.148	123.113	7350750.161	5044332.805	0.714	0.438	43.991	7350750.875	5044333.243	79.122
4348	34350344.400	5043352.827	123.867	7350728.968	5044355.490	0.715	0.438	43.991	7350729.683	5044355.928	79.876
4349	34350343.425	5043351.941	123.104	7350727.992	5044354.604	0.716	0.438	43.991	7350728.708	5044355.042	79.113
4350	34350518.895	5043648.371	126.167	7350903.506	5044651.127	0.712	0.430	43.988	7350904.218	5044651.557	82.179
4351	34350517.356	5043645.288	124.708	7350901.966	5044648.043	0.713	0.430	43.988	7350902.679	5044648.473	80.720
4352	34350515.175	5043642.014	124.321	7350899.785	5044644.768	0.712	0.430	43.988	7350900.497	5044645.198	80.333
4353	34350545.398	5043628.264	126.093	7350930.017	5044631.015	0.712	0.429	43.988	7350930.729	5044631.444	82.105
4354	34350543.699	5043625.070	124.491	7350928.318	5044627.820	0.711	0.430	43.988	7350929.029	5044628.250	80.503
4355	34350548.405	5043634.107	127.091	7350933.025	5044636.860	0.712	0.429	43.988	7350933.737	5044637.289	83.103
4356	34350573.788	5043609.287	126.076	7350958.416	5044612.033	0.711	0.429	43.988	7350959.127	5044612.462	82.088
4357	34350572.076	5043605.686	125.312	7350956.704	5044608.431	0.710	0.429	43.988	7350957.414	5044608.860	81.324
4358	34350570.057	5043607.783	124.686	7350954.684	5044610.529	0.711	0.429	43.988	7350955.395	5044610.958	80.698
4359	34350586.121	5043606.189	128.337	7350970.753	5044608.935	0.710	0.428	43.987	7350971.463	5044609.363	84.350
4360	34350571.130	5043590.142	124.609	7350955.758	5044592.883	0.711	0.429	43.988	7350956.469	5044593.312	80.621
4361	34350567.256	5043590.214	124.777	7350951.883	5044592.954	0.710	0.430	43.988	7350952.593	5044593.384	80.789
4362	34350558.369	5043580.597	124.791	7350942.993	5044583.334	0.711	0.430	43.988	7350943.704	5044583.764	80.803



4363	34350559.442	5043585.834	123.393	7350944.067	5044588.573	0.710	0.429	43.988	7350944.777	5044589.002	79.405
4364	34350562.231	5043589.279	123.658	7350946.856	5044592.019	0.711	0.429	43.988	7350947.567	5044592.448	79.670
4365	34350558.920	5043591.261	123.459	7350943.544	5044594.002	0.711	0.429	43.988	7350944.255	5044594.431	79.471
4366	34350558.735	5043591.505	123.468	7350943.359	5044594.246	0.711	0.429	43.988	7350944.070	5044594.675	79.480
4367	34350560.699	5043595.026	124.674	7350945.324	5044597.768	0.711	0.429	43.988	7350946.035	5044598.197	80.686
4368	34350557.605	5043573.191	123.637	7350942.229	5044575.926	0.711	0.430	43.988	7350942.940	5044576.356	79.649
4369	34350547.497	5043558.345	124.412	7350932.119	5044561.075	0.711	0.430	43.988	7350932.830	5044561.505	80.424
4370	34350523.239	5043568.242	124.328	7350907.853	5044570.975	0.712	0.430	43.988	7350908.565	5044571.405	80.340
4371	34350516.199	5043549.768	123.924	7350900.812	5044552.495	0.712	0.431	43.988	7350901.524	5044552.926	79.936
4372	34350496.700	5043552.702	124.237	7350881.307	5044555.429	0.712	0.431	43.989	7350882.019	5044555.860	80.248
4373	34350475.990	5043560.335	123.421	7350860.591	5044563.064	0.713	0.431	43.989	7350861.304	5044563.495	79.432
4374	34350485.391	5043574.388	123.587	7350869.994	5044577.121	0.713	0.431	43.989	7350870.707	5044577.552	79.598
4375	34350500.691	5043591.004	123.771	7350885.298	5044593.743	0.712	0.430	43.988	7350886.010	5044594.173	79.783
4376	34350512.461	5043606.784	123.876	7350897.071	5044609.528	0.712	0.430	43.988	7350897.783	5044609.958	79.888
4377	34350516.481	5043610.721	125.182	7350901.092	5044613.466	0.712	0.430	43.988	7350901.804	5044613.896	81.194
4378	34350520.166	5043613.220	123.573	7350904.778	5044615.966	0.712	0.430	43.988	7350905.490	5044616.396	79.585
4379	34350522.593	5043615.759	123.400	7350907.206	5044618.506	0.712	0.430	43.988	7350907.918	5044618.936	79.412
4380	34350521.325	5043623.206	125.150	7350905.937	5044625.955	0.712	0.430	43.988	7350906.649	5044626.385	81.162
4381	34350523.458	5043626.437	124.406	7350908.071	5044629.187	0.712	0.430	43.988	7350908.783	5044629.617	80.418
4382	34350507.799	5043618.209	125.050	7350892.407	5044620.956	0.713	0.430	43.988	7350893.120	5044621.386	81.062
4383	34350508.116	5043621.157	123.936	7350892.724	5044623.905	0.713	0.430	43.988	7350893.437	5044624.335	79.948
4384	34350504.959	5043620.670	123.847	7350889.566	5044623.418	0.713	0.430	43.988	7350890.279	5044623.848	79.859
4385	34350501.574	5043615.634	124.213	7350886.180	5044618.380	0.713	0.430	43.988	7350886.893	5044618.810	80.225
4386	34350494.579	5043620.227	123.502	7350879.183	5044622.974	0.713	0.430	43.988	7350879.896	5044623.404	79.514
4387	34350494.550	5043629.237	124.655	7350879.154	5044631.987	0.713	0.430	43.988	7350879.867	5044632.417	80.667
4388	34350495.911	5043628.198	124.600	7350880.515	5044630.948	0.713	0.430	43.988	7350881.228	5044631.378	80.612
4389	34350500.190	5043628.051	123.492	7350884.796	5044630.801	0.713	0.430	43.988	7350885.509	5044631.231	79.504
4390	34350495.255	5043633.438	123.264	7350879.859	5044636.189	0.713	0.430	43.988	7350880.572	5044636.619	79.276
4391	34350499.149	5043636.084	124.115	7350883.754	5044638.836	0.713	0.430	43.988	7350884.467	5044639.266	80.127
4392	34350501.952	5043636.338	124.120	7350886.558	5044639.090	0.713	0.430	43.988	7350887.271	5044639.520	80.132
4393	34350478.250	5043624.127	123.388	7350862.849	5044626.875	0.714	0.430	43.989	7350863.563	5044627.305	79.399
4394	34350481.503	5043620.632	124.632	7350866.103	5044623.379	0.714	0.430	43.989	7350866.817	5044623.809	80.643
4395	34350482.615	5043619.632	124.595	7350867.216	5044622.379	0.713	0.430	43.988	7350867.929	5044622.809	80.607
4396	34350485.067	5043615.889	123.954	7350869.669	5044618.635	0.713	0.430	43.988	7350870.382	5044619.065	79.966
4397	34350478.474	5043614.750	124.773	7350863.074	5044617.495	0.713	0.431	43.989	7350863.787	5044617.926	80.784
4398	34350466.510	5043609.143	124.919	7350851.106	5044611.886	0.714	0.431	43.989	7350851.820	5044612.317	80.930
4399	34350459.225	5043612.386	123.493	7350843.819	5044615.130	0.714	0.431	43.989	7350844.533	5044615.561	79.504
4400	34350450.050	5043607.842	123.735	7350834.641	5044610.584	0.714	0.431	43.989	7350835.355	5044611.015	79.746
4401	34350454.159	5043614.181	124.900	7350838.751	5044616.925	0.714	0.431	43.989	7350839.465	5044617.356	80.911
4402	34350456.931	5043613.148	123.784	7350841.524	5044615.892	0.714	0.431	43.989	7350842.238	5044616.323	79.795
4403	34350450.125	5043619.058	124.362	7350834.716	5044621.803	0.714	0.432	43.989	7350835.430	5044622.235	80.373
4404	34350458.195	5043631.714	124.216	7350842.788	5044634.463	0.714	0.431	43.989	7350843.502	5044634.894	80.227
4405	34350460.844	5043630.204	124.516	7350845.438	5044632.953	0.714	0.431	43.989	7350846.152	5044633.384	80.527
4406	34350464.166	5043628.045	123.379	7350848.761	5044630.794	0.714	0.430	43.989	7350849.475	5044631.224	79.390
4407	34350472.549	5043638.860	123.269	7350857.146	5044641.612	0.714	0.431	43.989	7350857.860	5044642.043	79.280
4408	34350470.817	5043642.401	124.231	7350855.413	5044645.154	0.714	0.431	43.989	7350856.127	5044645.585	80.242
4409	34350488.919	5043647.693	123.559	7350873.521	5044650.448	0.713	0.430	43.988	7350874.234	5044650.878	79.571
4410	34350489.650	5043652.750	124.872	7350874.252	5044655.507	0.713	0.430	43.988	7350874.965	5044655.937	80.884
4411	34350485.507	5043654.074	124.245	7350870.108	5044656.831	0.713	0.430	43.988	7350870.821	5044657.261	80.257



4412	34350492.411	5043656.023	124.665	7350877.014	5044658.781	0.713	0.430	43.988	7350877.727	5044659.211	80.677
4413	34350492.352	5043656.055	124.755	7350876.954	5044658.813	0.714	0.430	43.988	7350877.668	5044659.243	80.767
sp37a	34350069.559	5043652.412	124.817	7350454.036	5044655.156	0.723	0.441	43.993	7350454.759	5044655.597	80.824
sp37b	34350069.559	5043652.405	124.822	7350454.036	5044655.149	0.723	0.441	43.993	7350454.759	5044655.590	80.829
sp37c	34350069.558	5043652.398	124.826	7350454.035	5044655.142	0.723	0.441	43.993	7350454.758	5044655.583	80.833
sp38a	34350105.977	5043627.569	125.074	7350490.465	5044630.307	0.722	0.440	43.993	7350491.187	5044630.747	81.081
sp38b	34350105.975	5043627.566	125.073	7350490.463	5044630.304	0.722	0.440	43.993	7350491.185	5044630.744	81.080
sp38c	34350105.980	5043627.568	125.069	7350490.468	5044630.306	0.722	0.440	43.993	7350491.190	5044630.746	81.076
4414	34349994.415	5043625.723	123.550	7350378.870	5044628.457	0.724	0.443	43.994	7350379.594	5044628.900	79.556
4415	34349982.211	5043635.723	125.989	7350366.662	5044638.459	0.725	0.444	43.994	7350367.387	5044638.903	81.995
4416	34349975.732	5043632.879	123.380	7350360.181	5044635.614	0.725	0.444	43.994	7350360.906	5044636.058	79.386
4417	34349976.956	5043638.550	124.984	7350361.406	5044641.287	0.724	0.444	43.994	7350362.130	5044641.731	80.990
4418	34349971.276	5043640.888	123.451	7350355.724	5044643.625	0.725	0.445	43.994	7350356.449	5044644.070	79.457
4419	34349972.511	5043635.740	123.380	7350356.959	5044638.476	0.725	0.444	43.994	7350357.684	5044638.920	79.386
4420	34349973.471	5043644.185	124.596	7350357.919	5044646.923	0.725	0.444	43.994	7350358.644	5044647.367	80.602
4421	34349971.646	5043652.145	123.507	7350356.094	5044654.886	0.725	0.444	43.994	7350356.819	5044655.330	79.513
4422	34349977.189	5043663.408	125.384	7350361.638	5044666.152	0.725	0.444	43.994	7350362.363	5044666.596	81.390
4423	34349971.251	5043661.887	123.558	7350355.698	5044664.631	0.725	0.444	43.994	7350356.423	5044665.075	79.564
4424	34349982.889	5043659.951	127.451	7350367.340	5044662.694	0.725	0.444	43.994	7350368.065	5044663.138	83.457
4425	34349978.273	5043642.766	127.303	7350362.723	5044645.504	0.724	0.444	43.994	7350363.447	5044645.948	83.309
4426	34349969.206	5043676.233	123.675	7350353.652	5044678.981	0.726	0.444	43.994	7350354.378	5044679.425	79.681
4427	34349963.515	5043688.741	123.602	7350347.959	5044691.492	0.726	0.445	43.994	7350348.685	5044691.937	79.608
sp41a	34350225.620	5043535.025	124.955	7350610.147	5044537.739	0.718	0.438	43.992	7350610.865	5044538.177	80.963
sp41b	34350225.618	5043535.019	124.956	7350610.145	5044537.733	0.718	0.438	43.992	7350610.863	5044538.171	80.964
sp41c	34350225.617	5043535.018	124.954	7350610.144	5044537.732	0.718	0.438	43.992	7350610.862	5044538.170	80.962
sp42a	34350253.275	5043502.356	124.919	7350637.811	5044505.061	0.718	0.438	43.992	7350638.529	5044505.499	80.927
sp42b	34350253.287	5043502.359	124.925	7350637.823	5044505.064	0.718	0.438	43.992	7350638.541	5044505.502	80.933
sp42c	34350253.289	5043502.358	124.937	7350637.825	5044505.063	0.718	0.438	43.992	7350638.543	5044505.501	80.945
4575	34350225.471	5043568.123	124.647	7350609.997	5044570.846	0.718	0.438	43.992	7350610.715	5044571.284	80.655
4576	34350211.936	5043586.943	124.498	7350596.457	5044589.672	0.719	0.438	43.992	7350597.176	5044590.110	80.506
4577	34350197.508	5043601.437	124.691	7350582.024	5044604.170	0.720	0.438	43.992	7350582.744	5044604.608	80.699
4578	34350187.689	5043614.619	124.281	7350572.202	5044617.355	0.720	0.438	43.992	7350572.922	5044617.793	80.289
4579	34350195.563	5043633.554	124.637	7350580.078	5044636.296	0.720	0.438	43.992	7350580.798	5044636.734	80.645
4580	34350210.755	5043622.522	124.932	7350595.275	5044625.261	0.719	0.438	43.992	7350595.994	5044625.699	80.940
4581	34350215.791	5043650.427	124.875	7350600.311	5044653.175	0.720	0.437	43.991	7350601.031	5044653.612	80.884
4582	34350231.406	5043664.508	124.807	7350615.931	5044667.260	0.719	0.437	43.991	7350616.650	5044667.697	80.816
4583	34350253.747	5043655.439	124.306	7350638.279	5044658.189	0.719	0.437	43.991	7350638.998	5044658.626	80.315
4584	34350268.284	5043674.649	124.354	7350652.819	5044677.405	0.719	0.436	43.991	7350653.538	5044677.841	80.363
4585	34350254.127	5043687.893	124.308	7350638.658	5044690.653	0.719	0.436	43.991	7350639.377	5044691.089	80.317
4586	34350319.875	5043638.840	124.203	7350704.427	5044641.587	0.717	0.435	43.990	7350705.144	5044642.022	80.213
4587	34350303.193	5043617.544	124.495	7350687.740	5044620.285	0.718	0.435	43.991	7350688.458	5044620.720	80.504
4588	34350343.655	5043589.437	124.272	7350728.215	5044592.170	0.716	0.435	43.990	7350728.931	5044592.605	80.282
4589	34350357.295	5043618.440	123.962	7350741.858	5044621.182	0.717	0.434	43.990	7350742.575	5044621.616	79.972
4590	34350363.298	5043631.659	123.099	7350747.863	5044634.406	0.716	0.433	43.990	7350748.579	5044634.839	79.109
4591	34350377.245	5043654.299	124.350	7350761.813	5044657.053	0.717	0.433	43.990	7350762.530	5044657.486	80.360
4592	34350409.771	5043685.342	124.070	7350794.348	5044688.106	0.716	0.432	43.989	7350795.064	5044688.538	80.081
4593	34350426.654	5043671.868	123.982	7350811.236	5044674.628	0.716	0.432	43.989	7350811.952	5044675.060	79.993
4594	34350439.240	5043660.071	124.063	7350823.827	5044662.828	0.715	0.432	43.989	7350824.542	5044663.260	80.074
4595	34350458.345	5043647.815	124.238	7350842.938	5044650.569	0.714	0.431	43.989	7350843.652	5044651.000	80.249



4596	34350473.855	5043665.033	124.092	7350858.452	5044667.793	0.714	0.430	43.988	7350859.166	5044668.223	80.104
4597	34350451.802	5043679.695	124.149	7350836.392	5044682.459	0.715	0.430	43.989	7350837.107	5044682.889	80.160
4598	34350421.305	5043701.244	123.978	7350805.885	5044704.013	0.716	0.432	43.989	7350806.601	5044704.445	79.989
4599	34350410.407	5043700.050	124.041	7350794.984	5044702.818	0.716	0.432	43.989	7350795.700	5044703.250	80.052
4600	34350393.751	5043710.138	123.676	7350778.323	5044712.909	0.716	0.432	43.989	7350779.039	5044713.341	79.687
4601	34350388.495	5043704.458	123.687	7350773.065	5044707.227	0.717	0.432	43.989	7350773.782	5044707.659	79.698
4602	34350367.800	5043718.695	123.704	7350752.364	5044721.468	0.717	0.433	43.989	7350753.081	5044721.901	79.715
4603	34350374.839	5043736.383	124.013	7350759.404	5044739.161	0.718	0.433	43.989	7350760.122	5044739.594	80.024
4604	34350371.835	5043736.089	123.608	7350756.399	5044738.867	0.718	0.433	43.989	7350757.117	5044739.300	79.619
4605	34350360.262	5043744.069	123.511	7350744.823	5044746.849	0.718	0.433	43.989	7350745.541	5044747.282	79.522
4606	34350361.341	5043745.535	124.130	7350745.902	5044748.315	0.718	0.434	43.989	7350746.620	5044748.749	80.141
4607	34350364.907	5043751.305	124.753	7350749.469	5044754.087	0.718	0.433	43.989	7350750.187	5044754.520	80.764
4608	34350355.570	5043743.173	123.457	7350740.129	5044745.953	0.719	0.433	43.989	7350740.848	5044746.386	79.468
4609	34350349.903	5043735.165	123.473	7350734.461	5044737.942	0.718	0.433	43.989	7350735.179	5044738.375	79.484
4610	34350348.318	5043733.471	123.834	7350732.875	5044736.247	0.719	0.434	43.989	7350733.594	5044736.681	79.845
4611	34350348.996	5043729.570	123.446	7350733.554	5044732.345	0.718	0.434	43.989	7350734.272	5044732.779	79.457
4612	34350350.789	5043722.436	123.398	7350735.347	5044725.209	0.719	0.434	43.990	7350736.066	5044725.643	79.408
4613	34350355.920	5043717.111	123.489	7350740.480	5044719.883	0.718	0.433	43.989	7350741.198	5044720.316	79.500
4614	34350365.470	5043720.645	123.510	7350750.033	5044723.418	0.718	0.433	43.989	7350750.751	5044723.851	79.521
4615	34350343.721	5043736.342	123.847	7350728.277	5044739.119	0.718	0.434	43.990	7350728.995	5044739.553	79.857
4616	34350332.657	5043758.354	124.196	7350717.209	5044761.137	0.719	0.434	43.990	7350717.928	5044761.571	80.206
4617	34350342.063	5043756.379	123.926	7350726.618	5044759.162	0.719	0.434	43.989	7350727.337	5044759.596	79.937
4618	34350308.896	5043782.444	124.331	7350693.440	5044785.234	0.720	0.434	43.990	7350694.160	5044785.668	80.341
4619	34350298.163	5043767.022	124.133	7350682.704	5044769.807	0.721	0.435	43.990	7350683.425	5044770.242	80.143
4620	34350279.053	5043781.123	123.580	7350663.588	5044783.911	0.721	0.436	43.990	7350664.309	5044784.347	79.590
4621	34350292.450	5043795.787	124.176	7350676.989	5044798.580	0.721	0.435	43.990	7350677.710	5044799.015	80.186
4622	34350265.128	5043767.620	124.857	7350649.659	5044770.404	0.721	0.436	43.990	7350650.380	5044770.840	80.867
4623	34350249.039	5043748.919	124.201	7350633.566	5044751.697	0.721	0.436	43.991	7350634.287	5044752.133	80.210
4624	34350202.498	5043741.159	124.590	7350587.012	5044743.933	0.722	0.438	43.991	7350587.734	5044744.371	80.599
4625	34350225.751	5043764.369	124.436	7350610.271	5044767.151	0.722	0.437	43.991	7350610.993	5044767.588	80.445
4626	34350242.662	5043783.624	124.481	7350627.186	5044786.412	0.722	0.437	43.990	7350627.908	5044786.849	80.491
4627	34350256.317	5043804.246	124.084	7350640.845	5044807.041	0.722	0.436	43.990	7350641.567	5044807.477	80.094
4628	34350197.507	5043818.550	124.139	7350582.017	5044821.347	0.723	0.438	43.991	7350582.740	5044821.785	80.148
4629	34350184.564	5043828.529	124.180	7350569.070	5044831.329	0.724	0.438	43.991	7350569.794	5044831.767	80.189
4630	34350178.386	5043832.664	124.925	7350562.890	5044835.465	0.724	0.438	43.991	7350563.614	5044835.903	80.934
4631	34350167.695	5043839.206	124.212	7350552.195	5044842.008	0.725	0.439	43.991	7350552.920	5044842.447	80.221
4632	34350157.732	5043844.626	124.865	7350542.229	5044847.430	0.725	0.439	43.991	7350542.954	5044847.869	80.874
4633	34350144.420	5043854.162	124.286	7350528.913	5044856.968	0.725	0.440	43.991	7350529.638	5044857.408	80.295
4634	34350127.959	5043832.537	125.230	7350512.448	5044835.336	0.725	0.440	43.991	7350513.173	5044835.776	81.239
4635	34350118.036	5043835.865	125.430	7350502.522	5044838.665	0.725	0.440	43.992	7350503.247	5044839.105	81.438
4636	34350111.175	5043803.201	124.789	7350495.660	5044805.991	0.725	0.441	43.992	7350496.385	5044806.432	80.797
4637	34350117.085	5043795.796	125.370	7350501.572	5044798.584	0.725	0.440	43.992	7350502.297	5044799.024	81.378
4638	34350122.876	5043801.078	124.657	7350507.364	5044803.868	0.725	0.440	43.992	7350508.089	5044804.308	80.665
4639	34350129.173	5043789.000	124.674	7350513.663	5044791.786	0.725	0.440	43.992	7350514.388	5044792.226	80.682
4640	34350139.517	5043779.107	123.904	7350524.011	5044781.891	0.724	0.439	43.992	7350524.735	5044782.330	79.912
4641	34350146.682	5043771.027	124.611	7350531.178	5044773.808	0.724	0.440	43.992	7350531.902	5044774.248	80.619
4642	34350161.361	5043760.348	124.618	7350545.862	5044763.127	0.723	0.439	43.991	7350546.585	5044763.566	80.627
4643	34350149.847	5043737.234	125.131	7350534.345	5044740.005	0.723	0.440	43.992	7350535.068	5044740.445	81.139
4644	34350130.331	5043750.761	125.182	7350514.823	5044753.536	0.724	0.440	43.992	7350515.547	5044753.976	81.190



4645	34350123.432	5043751.717	123.901	7350507.922	5044754.492	0.724	0.440	43.992	7350508.646	5044754.932	79.909
4646	34350114.461	5043753.737	124.037	7350498.948	5044756.512	0.724	0.441	43.992	7350499.672	5044756.953	80.045
4647	34350104.276	5043758.434	125.076	7350488.760	5044761.210	0.724	0.441	43.992	7350489.484	5044761.651	81.084
4648	34350096.497	5043765.614	124.591	7350480.978	5044768.392	0.725	0.441	43.992	7350481.703	5044768.833	80.599
4649	34350100.330	5043742.786	125.175	7350484.813	5044745.558	0.724	0.440	43.992	7350485.537	5044745.998	81.183
4650	34350113.448	5043738.082	124.457	7350497.935	5044740.853	0.724	0.440	43.992	7350498.659	5044741.293	80.465
4651	34350119.785	5043736.144	125.106	7350504.274	5044738.914	0.724	0.441	43.992	7350504.998	5044739.355	81.114
4652	34350120.918	5043732.037	125.132	7350505.408	5044734.806	0.723	0.440	43.992	7350506.131	5044735.246	81.140
4653	34350116.291	5043729.514	124.877	7350500.779	5044732.282	0.724	0.441	43.992	7350501.503	5044732.723	80.885
4654	34350112.713	5043713.128	124.819	7350497.201	5044715.891	0.723	0.441	43.992	7350497.924	5044716.332	80.827
4655	34350121.987	5043714.100	125.270	7350506.478	5044716.864	0.723	0.440	43.992	7350507.201	5044717.304	81.278
4656	34350116.532	5043698.485	124.939	7350501.021	5044701.244	0.723	0.440	43.992	7350501.744	5044701.684	80.947
4657	34350131.468	5043692.283	125.144	7350515.962	5044695.041	0.722	0.439	43.992	7350516.684	5044695.480	81.152
4658	34350142.942	5043685.947	125.114	7350527.440	5044688.703	0.722	0.440	43.992	7350528.162	5044689.143	81.122
4659	34350160.043	5043673.102	124.967	7350544.546	5044675.855	0.722	0.439	43.992	7350545.268	5044676.294	80.975
4660	34350120.814	5043680.937	124.879	7350505.305	5044683.691	0.723	0.440	43.992	7350506.028	5044684.131	80.887
4661	34350109.572	5043687.195	124.255	7350494.060	5044689.950	0.722	0.441	43.992	7350494.782	5044690.391	80.263
4662	34350099.142	5043683.713	124.625	7350483.627	5044686.467	0.723	0.441	43.992	7350484.350	5044686.908	80.633
4663	34350093.935	5043671.112	124.325	7350478.418	5044673.862	0.723	0.441	43.993	7350479.141	5044674.303	80.332
4664	34350090.433	5043649.005	124.812	7350474.916	5044651.748	0.723	0.441	43.993	7350475.639	5044652.189	80.819
4665	34350538.026	5043574.371	124.164	7350922.645	5044577.106	0.711	0.430	43.988	7350923.356	5044577.536	80.176
4666	34350524.400	5043586.825	123.881	7350909.014	5044589.563	0.712	0.430	43.988	7350909.726	5044589.993	79.893
4667	34350509.691	5043577.761	124.161	7350894.301	5044580.496	0.712	0.430	43.988	7350895.013	5044580.926	80.173
4668	34350490.991	5043605.287	124.755	7350875.595	5044608.030	0.712	0.430	43.988	7350876.307	5044608.460	80.767
4669	34350492.971	5043602.854	124.263	7350877.575	5044605.596	0.713	0.430	43.988	7350878.288	5044606.026	80.275
4670	34350487.164	5043609.221	123.836	7350871.766	5044611.965	0.713	0.430	43.988	7350872.479	5044612.395	79.848
4671	34350481.632	5043604.019	124.873	7350866.233	5044606.761	0.713	0.431	43.989	7350866.946	5044607.192	80.884
4672	34350476.506	5043597.963	124.905	7350861.106	5044600.703	0.713	0.431	43.989	7350861.819	5044601.134	80.916
4673	34350474.467	5043583.537	124.473	7350859.066	5044586.273	0.714	0.431	43.989	7350859.780	5044586.704	80.484
4674	34350467.974	5043577.379	123.382	7350852.572	5044580.113	0.713	0.431	43.989	7350853.285	5044580.544	79.393
4675	34350397.835	5043567.182	124.638	7350782.412	5044569.910	0.715	0.434	43.990	7350783.127	5044570.344	80.648
4676	34350393.686	5043562.505	126.597	7350778.262	5044565.232	0.715	0.433	43.990	7350778.977	5044565.665	82.607
4677	34350658.980	5043600.270	128.248	7351043.634	5044603.016	0.708	0.428	43.987	7351044.342	5044603.444	84.261
4678	34350688.918	5043613.476	125.308	7351073.580	5044616.227	0.708	0.427	43.986	7351074.288	5044616.654	81.322
4679	34350678.363	5043602.498	126.724	7351063.022	5044605.245	0.708	0.428	43.986	7351063.730	5044605.673	82.738
4680	34350674.624	5043588.464	128.458	7351059.283	5044591.207	0.708	0.427	43.986	7351059.991	5044591.634	84.472
4681	34350670.285	5043580.110	131.093	7351054.943	5044582.850	0.708	0.428	43.987	7351055.651	5044583.278	87.106
4682	34350668.206	5043576.852	131.592	7351052.863	5044579.591	0.708	0.428	43.987	7351053.571	5044580.019	87.605
4683	34350664.379	5043572.056	131.659	7351049.035	5044574.794	0.708	0.428	43.987	7351049.743	5044575.222	87.672
4684	34350662.932	5043569.997	131.555	7351047.588	5044572.734	0.708	0.428	43.987	7351048.296	5044573.162	87.568
4685	34350664.825	5043559.304	128.507	7351049.482	5044562.038	0.708	0.428	43.987	7351050.190	5044562.466	84.520
4686	34350654.386	5043588.545	131.516	7351039.039	5044591.287	0.708	0.428	43.987	7351039.747	5044591.715	87.529
4687	34350616.170	5043594.050	131.421	7351000.811	5044596.793	0.710	0.428	43.987	7351001.521	5044597.221	87.434
4688	34350604.669	5043587.343	131.288	7350989.307	5044590.084	0.710	0.428	43.987	7350990.017	5044590.512	87.301
4689	34350586.889	5043562.701	130.596	7350971.522	5044565.434	0.711	0.429	43.988	7350972.233	5044565.863	86.608
6001	34350799.407	5043483.765	131.477	7351184.106	5044486.481	0.705	0.426	43.986	7351184.811	5044486.907	87.491
6002	34350799.302	5043483.359	131.432	7351184.001	5044486.075	0.705	0.426	43.986	7351184.706	5044486.501	87.446
6003	34350795.684	5043484.706	131.537	7351180.382	5044487.422	0.705	0.426	43.986	7351181.087	5044487.848	87.551
6004	34350795.537	5043484.247	131.493	7351180.235	5044486.963	0.705	0.426	43.986	7351180.940	5044487.389	87.507



6005	34350792.003	5043485.843	131.641	7351176.700	5044488.559	0.705	0.426	43.986	7351177.405	5044488.985	87.655
6006	34350791.831	5043485.376	131.597	7351176.528	5044488.092	0.705	0.426	43.986	7351177.233	5044488.518	87.611
6007	34350787.942	5043487.252	131.705	7351172.638	5044489.968	0.705	0.427	43.986	7351173.343	5044490.395	87.719
6008	34350787.797	5043486.759	131.655	7351172.493	5044489.475	0.705	0.426	43.986	7351173.198	5044489.901	87.669
6009	34350786.899	5043486.071	131.631	7351171.594	5044488.787	0.706	0.426	43.986	7351172.300	5044489.213	87.645
6010	34350784.379	5043488.663	131.744	7351169.073	5044491.380	0.706	0.426	43.986	7351169.779	5044491.806	87.758
6011	34350784.239	5043488.416	131.679	7351168.933	5044491.133	0.706	0.426	43.986	7351169.639	5044491.559	87.693
6012	34350785.593	5043492.887	131.554	7351170.288	5044495.605	0.705	0.426	43.986	7351170.993	5044496.031	87.568
6013	34350785.595	5043496.883	131.383	7351170.290	5044499.602	0.705	0.426	43.986	7351170.995	5044500.028	87.397
6014	34350786.035	5043497.260	131.307	7351170.730	5044499.979	0.705	0.426	43.986	7351171.435	5044500.405	87.321
6015	34350789.470	5043495.346	131.236	7351174.166	5044498.065	0.705	0.426	43.986	7351174.871	5044498.491	87.250
6016	34350789.709	5043495.781	131.233	7351174.405	5044498.500	0.705	0.426	43.986	7351175.110	5044498.926	87.247
6017	34350793.520	5043494.025	131.181	7351178.217	5044496.744	0.705	0.426	43.986	7351178.922	5044497.170	87.195
6018	34350793.639	5043494.588	131.113	7351178.336	5044497.307	0.705	0.426	43.986	7351179.041	5044497.733	87.127
6019	34350792.875	5043490.419	131.421	7351177.572	5044493.137	0.705	0.426	43.986	7351178.277	5044493.563	87.435
6020	34350797.440	5043493.237	131.085	7351182.138	5044495.955	0.706	0.426	43.986	7351182.844	5044496.381	87.099
6021	34350797.559	5043493.862	130.987	7351182.257	5044496.581	0.706	0.426	43.986	7351182.963	5044497.007	87.001
6022	34350801.433	5043492.887	130.970	7351186.132	5044495.606	0.706	0.425	43.985	7351186.838	5044496.031	86.985
6023	34350801.544	5043493.393	130.870	7351186.243	5044496.112	0.706	0.425	43.985	7351186.949	5044496.537	86.885
6024	34350801.116	5043488.800	131.207	7351185.815	5044491.517	0.706	0.426	43.986	7351186.521	5044491.943	87.221
6025	34350805.457	5043492.702	130.854	7351190.158	5044495.421	0.705	0.425	43.985	7351190.863	5044495.846	86.869
6026	34350805.490	5043493.196	130.807	7351190.191	5044495.915	0.705	0.425	43.985	7351190.896	5044496.340	86.822
6027	34350809.515	5043492.718	130.742	7351194.217	5044495.437	0.705	0.425	43.985	7351194.922	5044495.862	86.757
6028	34350809.475	5043493.258	130.664	7351194.177	5044495.977	0.705	0.426	43.985	7351194.882	5044496.403	86.679
6029	34350809.874	5043488.236	130.974	7351194.576	5044490.953	0.705	0.426	43.985	7351195.281	5044491.379	86.989
6030	34350809.003	5043495.722	130.339	7351193.705	5044498.442	0.705	0.425	43.985	7351194.410	5044498.867	86.354
6031	34350804.871	5043495.606	130.430	7351189.571	5044498.325	0.705	0.426	43.985	7351190.276	5044498.751	86.445
6032	34350799.904	5043495.995	130.449	7351184.603	5044498.714	0.705	0.426	43.985	7351185.308	5044499.140	86.464
6033	34350794.474	5043497.936	130.568	7351179.171	5044500.656	0.706	0.426	43.986	7351179.877	5044501.082	86.582
6034	34350788.333	5043499.584	130.892	7351173.028	5044502.304	0.706	0.426	43.986	7351173.734	5044502.730	86.906
6035	34350779.032	5043486.845	131.414	7351163.725	5044489.561	0.706	0.426	43.986	7351164.431	5044489.987	87.428
6036	34350782.188	5043484.850	131.346	7351166.882	5044487.566	0.706	0.426	43.986	7351167.588	5044487.992	87.360
6037	34350786.160	5043482.632	131.530	7351170.855	5044485.347	0.706	0.426	43.986	7351171.561	5044485.773	87.544
6038	34350783.759	5043480.386	129.986	7351168.454	5044483.100	0.705	0.427	43.986	7351169.159	5044483.527	86.000
6039	34350791.477	5043478.244	131.220	7351176.174	5044480.958	0.705	0.426	43.986	7351176.879	5044481.384	87.234
6040	34350789.735	5043474.778	129.392	7351174.431	5044477.491	0.706	0.426	43.986	7351175.137	5044477.917	85.406
6041	34350796.060	5043475.614	131.239	7351180.758	5044478.327	0.706	0.426	43.986	7351181.464	5044478.753	87.253
6042	34350796.048	5043471.388	129.494	7351180.746	5044474.100	0.706	0.426	43.986	7351181.452	5044474.526	85.508
6043	34350801.383	5043472.693	131.347	7351186.083	5044475.405	0.705	0.426	43.986	7351186.788	5044475.831	87.361
6044	34350805.640	5043468.388	131.203	7351190.341	5044471.099	0.706	0.426	43.986	7351191.047	5044471.525	87.217
6045	34350804.551	5043464.373	129.345	7351189.252	5044467.083	0.706	0.426	43.986	7351189.958	5044467.509	85.359
6046	34350800.648	5043466.368	129.123	7351185.348	5044469.079	0.705	0.426	43.986	7351186.053	5044469.505	85.137
6047	34350810.703	5043465.471	131.591	7351195.406	5044468.182	0.705	0.425	43.986	7351196.111	5044468.607	87.605
6048	34350813.878	5043465.409	130.935	7351198.582	5044468.120	0.705	0.426	43.985	7351199.287	5044468.546	86.950
6049	34350818.007	5043466.676	130.836	7351202.712	5044469.387	0.705	0.426	43.985	7351203.417	5044469.813	86.851
6050	34350816.607	5043470.153	130.724	7351201.312	5044472.865	0.705	0.426	43.985	7351202.017	5044473.291	86.739
6051	34350815.134	5043476.143	130.728	7351199.838	5044478.857	0.705	0.426	43.985	7351200.543	5044479.283	86.743
6052	34350808.072	5043479.540	131.231	7351192.774	5044482.255	0.705	0.426	43.985	7351193.479	5044482.681	87.246
6053	34350799.772	5043479.705	131.353	7351184.471	5044482.420	0.706	0.426	43.986	7351185.177	5044482.846	87.367



6054	34350792.081	5043482.199	131.510	7351176.778	5044484.914	0.705	0.426	43.986	7351177.483	5044485.340	87.524
6055	34350785.323	5043485.512	131.711	7351170.018	5044488.228	0.706	0.426	43.986	7351170.724	5044488.654	87.725
6056	34350820.597	5043469.265	129.730	7351205.303	5044471.977	0.705	0.426	43.985	7351206.008	5044472.403	85.745
6057	34350820.783	5043465.647	129.469	7351205.489	5044468.358	0.705	0.426	43.985	7351206.194	5044468.784	85.484
6058	34350819.080	5043463.324	129.157	7351203.786	5044466.034	0.705	0.426	43.985	7351204.491	5044466.460	85.172
6059	34350814.959	5043461.386	128.663	7351199.663	5044464.096	0.706	0.425	43.985	7351200.369	5044464.521	84.678
6060	34350811.869	5043459.395	128.236	7351196.573	5044462.104	0.705	0.426	43.986	7351197.278	5044462.530	84.250
6061	34350808.159	5043458.022	128.018	7351192.861	5044460.730	0.706	0.426	43.986	7351193.567	5044461.156	84.032
6062	34350804.619	5043458.177	127.769	7351189.320	5044460.885	0.706	0.426	43.986	7351190.026	5044461.311	83.783
6063	34350800.074	5043460.640	127.502	7351184.774	5044463.349	0.706	0.426	43.986	7351185.480	5044463.775	83.516
6064	34350794.795	5043462.887	127.065	7351179.493	5044465.596	0.706	0.427	43.986	7351180.199	5044466.023	83.079
6065	34350784.767	5043468.963	126.457	7351169.462	5044471.674	0.706	0.426	43.986	7351170.168	5044472.100	82.471
6066	34350817.918	5043458.174	128.812	7351202.623	5044460.883	0.706	0.425	43.985	7351203.329	5044461.308	84.827
6067	34350822.498	5043459.750	129.308	7351207.205	5044462.459	0.705	0.426	43.985	7351207.910	5044462.885	85.323
6068	34350827.046	5043461.269	129.051	7351211.754	5044463.979	0.705	0.425	43.985	7351212.459	5044464.404	85.066
6069	34350832.527	5043463.730	128.753	7351217.237	5044466.441	0.704	0.425	43.985	7351217.941	5044466.866	84.768
6070	34350829.931	5043460.771	128.866	7351214.640	5044463.481	0.705	0.425	43.985	7351215.345	5044463.906	84.881
6071	34350836.734	5043468.505	128.655	7351221.445	5044471.217	0.704	0.426	43.985	7351222.149	5044471.643	84.670
6072	34350840.237	5043471.994	129.709	7351224.949	5044474.707	0.704	0.426	43.985	7351225.653	5044475.133	85.724
6073	34350835.366	5043470.078	129.423	7351220.076	5044472.791	0.705	0.425	43.985	7351220.781	5044473.216	85.438
6074	34350831.952	5043466.662	129.260	7351216.661	5044469.374	0.705	0.425	43.985	7351217.366	5044469.799	85.275
6075	34350825.508	5043470.834	129.963	7351210.215	5044473.547	0.705	0.425	43.985	7351210.920	5044473.972	85.978
6076	34350828.570	5043474.162	129.793	7351213.278	5044476.876	0.705	0.425	43.985	7351213.983	5044477.301	85.808
6077	34350833.052	5043477.876	129.369	7351217.761	5044480.591	0.705	0.425	43.985	7351218.466	5044481.016	85.384
6078	34350846.752	5043473.393	129.138	7351231.465	5044476.107	0.705	0.425	43.985	7351232.170	5044476.532	85.153
6079	34350848.693	5043471.831	128.170	7351233.407	5044474.545	0.705	0.425	43.985	7351234.112	5044474.970	84.185
6080	34350846.663	5043467.709	128.521	7351231.377	5044470.421	0.704	0.426	43.985	7351232.081	5044470.847	84.536
6081	34350844.847	5043467.851	129.103	7351229.560	5044470.563	0.705	0.426	43.985	7351230.265	5044470.989	85.118
6082	34350842.192	5043466.397	128.794	7351226.904	5044469.109	0.705	0.425	43.985	7351227.609	5044469.534	84.809
6083	34350839.615	5043463.038	128.796	7351224.327	5044465.749	0.704	0.425	43.985	7351225.031	5044466.174	84.811
6084	34350836.503	5043458.861	128.735	7351221.214	5044461.570	0.705	0.426	43.985	7351221.919	5044461.996	84.750
6085	34350834.035	5043455.303	128.754	7351218.745	5044458.011	0.705	0.426	43.985	7351219.450	5044458.437	84.769
6086	34350844.021	5043464.485	129.356	7351228.734	5044467.196	0.705	0.426	43.985	7351229.439	5044467.622	85.371
6087	34350846.263	5043464.588	129.106	7351230.977	5044467.299	0.704	0.426	43.985	7351231.681	5044467.725	85.121
6088	34350842.169	5043460.878	129.891	7351226.881	5044463.588	0.705	0.425	43.985	7351227.586	5044464.013	85.906
6089	34350839.618	5043455.393	130.565	7351224.330	5044458.102	0.705	0.425	43.985	7351225.035	5044458.527	86.580
6090	34350838.419	5043451.965	131.191	7351223.131	5044454.672	0.705	0.426	43.985	7351223.836	5044455.098	87.206
6091	34350843.009	5043451.980	131.102	7351227.722	5044454.688	0.705	0.425	43.985	7351228.427	5044455.113	87.117
6092	34350844.108	5043448.546	131.190	7351228.821	5044451.253	0.705	0.425	43.985	7351229.526	5044451.678	87.205
6093	34350845.949	5043456.620	130.078	7351230.663	5044459.329	0.705	0.425	43.985	7351231.368	5044459.754	86.093
6094	34350849.413	5043460.914	129.054	7351234.128	5044463.624	0.704	0.426	43.985	7351234.832	5044464.050	85.069
6095	34350852.819	5043466.890	128.052	7351237.534	5044469.602	0.705	0.425	43.985	7351238.239	5044470.027	84.067
6096	34350859.306	5043462.460	127.690	7351244.024	5044465.171	0.704	0.425	43.985	7351244.728	5044465.596	83.705
6097	34350857.203	5043459.170	128.126	7351241.920	5044461.880	0.705	0.425	43.985	7351242.625	5044462.305	84.141
6098	34350855.745	5043457.437	128.740	7351240.462	5044460.147	0.704	0.425	43.985	7351241.166	5044460.572	84.755
6099	34350852.109	5043453.231	129.858	7351236.825	5044455.939	0.704	0.425	43.985	7351237.529	5044456.364	85.873
6100	34350849.137	5043448.937	130.848	7351233.852	5044451.644	0.705	0.425	43.985	7351234.557	5044452.069	86.863
6101	34350848.342	5043446.669	131.300	7351233.057	5044449.375	0.705	0.425	43.985	7351233.762	5044449.800	87.315
6102	34350847.898	5043445.428	130.779	7351232.613	5044448.134	0.705	0.425	43.985	7351233.318	5044448.559	86.794



6103	34350847.578	5043443.724	131.546	7351232.293	5044446.429	0.705	0.426	43.985	7351232.998	5044446.855	87.561
6104	34350842.292	5043446.403	131.537	7351227.005	5044449.109	0.705	0.425	43.985	7351227.710	5044449.534	87.552
6105	34350843.298	5043447.758	130.759	7351228.011	5044450.464	0.705	0.426	43.985	7351228.716	5044450.890	86.774
6106	34350852.174	5043446.158	131.046	7351236.890	5044448.864	0.705	0.425	43.985	7351237.595	5044449.289	87.061
6107	34350852.189	5043445.095	130.696	7351236.905	5044447.801	0.705	0.425	43.985	7351237.610	5044448.226	86.711
6108	34350852.274	5043443.799	131.374	7351236.990	5044446.504	0.705	0.426	43.985	7351237.695	5044446.930	87.389
6109	34350855.569	5043443.606	131.138	7351240.286	5044446.311	0.705	0.426	43.985	7351240.991	5044446.737	87.153
6110	34350856.518	5043444.365	130.873	7351241.235	5044447.071	0.705	0.425	43.985	7351241.940	5044447.496	86.888
6111	34350856.185	5043445.753	130.768	7351240.902	5044448.459	0.705	0.425	43.985	7351241.607	5044448.884	86.783
6112	34350855.450	5043444.800	130.250	7351240.167	5044447.506	0.705	0.425	43.985	7351240.872	5044447.931	86.265
6113	34350857.625	5043446.975	130.099	7351242.342	5044449.682	0.705	0.425	43.985	7351243.047	5044450.107	86.114
6114	34350859.560	5043449.354	129.425	7351244.278	5044452.061	0.705	0.425	43.985	7351244.983	5044452.486	85.440
6115	34350862.197	5043452.838	128.569	7351246.916	5044455.546	0.704	0.425	43.985	7351247.620	5044455.971	84.584
6116	34350866.167	5043457.123	127.479	7351250.887	5044459.833	0.704	0.425	43.985	7351251.591	5044460.258	83.494
6117	34350871.026	5043452.304	127.804	7351255.747	5044455.013	0.705	0.424	43.985	7351256.452	5044455.437	83.819
6118	34350869.709	5043449.305	127.989	7351254.430	5044452.013	0.705	0.424	43.985	7351255.135	5044452.437	84.004
6119	34350868.267	5043447.260	128.790	7351252.988	5044449.967	0.704	0.425	43.985	7351253.692	5044450.392	84.805
6120	34350866.413	5043444.763	129.388	7351251.133	5044447.469	0.705	0.425	43.985	7351251.838	5044447.894	85.403
6121	34350864.946	5043442.910	129.824	7351249.666	5044445.616	0.705	0.424	43.985	7351250.371	5044446.040	85.839
6122	34350862.953	5043439.925	130.494	7351247.672	5044442.630	0.705	0.425	43.985	7351248.377	5044443.055	86.509
6123	34350861.342	5043437.089	131.186	7351246.061	5044439.793	0.705	0.425	43.985	7351246.766	5044440.218	87.201
6124	34350867.118	5043433.146	131.078	7351251.839	5044435.849	0.705	0.425	43.985	7351252.544	5044436.274	87.093
6125	34350869.187	5043436.219	130.311	7351253.908	5044438.923	0.705	0.425	43.985	7351254.613	5044439.348	86.326
6126	34350871.199	5043438.964	129.690	7351255.921	5044441.669	0.705	0.424	43.985	7351256.626	5044442.093	85.705
6127	34350873.051	5043441.668	129.108	7351257.773	5044444.373	0.705	0.425	43.985	7351258.478	5044444.798	85.123
6128	34350874.716	5043444.210	128.563	7351259.439	5044446.916	0.704	0.425	43.985	7351260.143	5044447.341	84.578
6129	34350875.567	5043445.696	128.162	7351260.290	5044448.403	0.705	0.424	43.985	7351260.995	5044448.827	84.177
6130	34350877.998	5043448.524	127.776	7351262.722	5044451.232	0.704	0.424	43.985	7351263.426	5044451.656	83.791
6131	34350883.086	5043444.565	127.763	7351267.811	5044447.272	0.705	0.424	43.985	7351268.516	5044447.696	83.778
6132	34350882.115	5043442.492	127.950	7351266.840	5044445.198	0.705	0.424	43.985	7351267.545	5044445.622	83.965
6133	34350881.072	5043440.642	128.424	7351265.797	5044443.347	0.704	0.425	43.985	7351266.501	5044443.772	84.439
6134	34350878.226	5043437.441	129.079	7351262.950	5044440.145	0.705	0.425	43.985	7351263.655	5044440.570	85.094
6135	34350875.104	5043432.785	130.218	7351259.827	5044435.488	0.705	0.425	43.985	7351260.532	5044435.913	86.233
6136	34350872.109	5043429.460	131.100	7351256.831	5044432.162	0.705	0.425	43.985	7351257.536	5044432.587	87.115
6137	34350870.641	5043422.889	131.088	7351255.363	5044425.589	0.705	0.425	43.985	7351256.068	5044426.014	87.103
6138	34350872.538	5043418.892	130.393	7351257.261	5044421.591	0.705	0.425	43.985	7351257.966	5044422.016	86.408
6139	34350874.969	5043416.325	130.300	7351259.693	5044419.023	0.705	0.425	43.985	7351260.398	5044419.448	86.315
6140	34350876.787	5043418.553	131.266	7351261.511	5044421.252	0.705	0.424	43.985	7351262.216	5044421.676	87.281
6141	34350867.007	5043424.800	131.166	7351251.728	5044427.500	0.705	0.425	43.985	7351252.433	5044427.925	87.181
6142	34350878.939	5043415.807	131.250	7351263.664	5044418.505	0.705	0.425	43.985	7351264.369	5044418.930	87.265
6143	34350884.080	5043412.686	132.157	7351268.806	5044415.383	0.705	0.425	43.985	7351269.511	5044415.808	88.172
6144	34350887.262	5043408.630	134.168	7351271.989	5044411.326	0.705	0.425	43.985	7351272.694	5044411.751	90.183
6145	34350884.261	5043402.919	134.487	7351268.988	5044405.613	0.705	0.425	43.985	7351269.693	5044406.038	90.502
6146	34350885.467	5043403.306	134.569	7351270.194	5044406.000	0.705	0.425	43.985	7351270.899	5044406.425	90.584
6147	34350886.183	5043402.923	134.981	7351270.910	5044405.617	0.705	0.425	43.985	7351271.615	5044406.042	90.996
6148	34350886.636	5043402.661	135.223	7351271.363	5044405.355	0.705	0.425	43.985	7351272.068	5044405.780	91.238
6149	34350887.938	5043401.900	135.200	7351272.666	5044404.594	0.705	0.425	43.985	7351273.371	5044405.019	91.215
6150	34350888.499	5043401.736	134.906	7351273.227	5044404.430	0.705	0.425	43.985	7351273.932	5044404.855	90.921
6151	34350889.430	5043401.357	134.468	7351274.158	5044404.051	0.705	0.425	43.985	7351274.863	5044404.476	90.483



6152	34350894.428	5043409.465	134.495	7351279.158	5044412.161	0.704	0.425	43.985	7351279.862	5044412.586	90.510
6153	34350893.572	5043410.016	134.933	7351278.301	5044412.713	0.705	0.424	43.985	7351279.006	5044413.137	90.948
6154	34350893.258	5043410.386	135.143	7351277.987	5044413.083	0.705	0.424	43.985	7351278.692	5044413.507	91.158
6155	34350892.073	5043411.290	135.146	7351276.802	5044413.987	0.705	0.424	43.985	7351277.507	5044414.411	91.161
6156	34350891.515	5043411.616	134.930	7351276.244	5044414.313	0.704	0.425	43.985	7351276.948	5044414.738	90.945
6157	34350890.870	5043412.047	134.471	7351275.598	5044414.744	0.705	0.425	43.985	7351276.303	5044415.169	90.486
6158	34350889.878	5043413.317	134.240	7351274.606	5044416.014	0.705	0.425	43.985	7351275.311	5044416.439	90.255
6159	34350893.921	5043420.685	134.040	7351278.650	5044423.385	0.705	0.424	43.985	7351279.355	5044423.809	90.055
6160	34350895.418	5043419.634	134.396	7351280.148	5044422.334	0.704	0.424	43.985	7351280.852	5044422.758	90.411
6161	34350896.334	5043419.134	134.927	7351281.064	5044421.833	0.705	0.425	43.985	7351281.769	5044422.258	90.942
6162	34350896.772	5043418.862	135.120	7351281.502	5044421.561	0.705	0.425	43.985	7351282.207	5044421.986	91.135
6163	34350898.076	5043418.052	135.106	7351282.806	5044420.751	0.705	0.424	43.985	7351283.511	5044421.175	91.121
6164	34350898.714	5043417.725	134.981	7351283.445	5044420.424	0.704	0.424	43.985	7351284.149	5044420.848	90.996
6165	34350899.553	5043417.063	134.405	7351284.284	5044419.762	0.705	0.424	43.985	7351284.989	5044420.186	90.420
6166	34350900.333	5043416.184	134.021	7351285.064	5044418.883	0.705	0.424	43.985	7351285.769	5044419.307	90.036
6167	34350904.693	5043422.554	133.823	7351289.425	5044425.255	0.705	0.424	43.985	7351290.130	5044425.679	89.838
6168	34350903.660	5043423.780	134.362	7351288.392	5044426.481	0.705	0.424	43.985	7351289.097	5044426.905	90.377
6169	34350902.810	5043424.450	134.915	7351287.542	5044427.151	0.704	0.424	43.985	7351288.246	5044427.575	90.930
6170	34350902.236	5043424.729	135.078	7351286.967	5044427.430	0.705	0.424	43.985	7351287.672	5044427.854	91.093
6171	34350900.976	5043425.525	135.066	7351285.707	5044428.226	0.705	0.425	43.985	7351286.412	5044428.651	91.081
6172	34350900.390	5043425.937	134.870	7351285.121	5044428.639	0.705	0.424	43.985	7351285.826	5044429.063	90.885
6173	34350899.627	5043426.161	134.457	7351284.358	5044428.863	0.704	0.424	43.985	7351285.062	5044429.287	90.472
6174	34350898.290	5043427.439	134.097	7351283.020	5044430.141	0.705	0.424	43.985	7351283.725	5044430.565	90.112
6175	34350904.523	5043437.196	133.929	7351289.255	5044439.901	0.704	0.424	43.985	7351289.959	5044440.325	89.944
6176	34350905.949	5043436.428	134.338	7351290.681	5044439.133	0.705	0.424	43.985	7351291.386	5044439.557	90.353
6177	34350906.890	5043435.959	134.823	7351291.622	5044438.664	0.705	0.424	43.985	7351292.327	5044439.088	90.838
6178	34350907.292	5043435.670	134.994	7351292.025	5044438.375	0.704	0.424	43.985	7351292.729	5044438.799	91.009
6179	34350908.613	5043434.913	134.985	7351293.346	5044437.617	0.705	0.424	43.985	7351294.051	5044438.041	91.000
6180	34350909.203	5043434.670	134.789	7351293.936	5044437.374	0.705	0.424	43.985	7351294.641	5044437.798	90.804
6181	34350910.154	5043434.011	134.236	7351294.887	5044436.715	0.705	0.424	43.985	7351295.592	5044437.139	90.251
6182	34350911.074	5043433.252	133.812	7351295.808	5044435.956	0.704	0.424	43.985	7351296.512	5044436.380	89.827
6183	34350886.301	5043417.360	131.686	7351271.028	5044420.059	0.705	0.424	43.985	7351271.733	5044420.483	87.701
6184	34350889.167	5043423.168	132.883	7351273.895	5044425.868	0.704	0.425	43.985	7351274.599	5044426.293	88.898
6185	34350891.241	5043422.039	131.822	7351275.969	5044424.739	0.705	0.425	43.985	7351276.674	5044425.164	87.837
6186	34350878.667	5043432.133	129.907	7351263.391	5044434.836	0.705	0.424	43.985	7351264.096	5044435.260	85.922
6187	34350881.741	5043426.394	130.493	7351266.466	5044429.095	0.705	0.425	43.985	7351267.171	5044429.520	86.508
6188	34350882.371	5043422.446	131.153	7351267.097	5044425.146	0.704	0.425	43.985	7351267.801	5044425.571	87.168
6189	34350884.020	5043420.286	131.341	7351268.746	5044422.985	0.705	0.425	43.985	7351269.451	5044423.410	87.356
6190	34350881.469	5043420.010	131.472	7351266.194	5044422.709	0.705	0.425	43.985	7351266.899	5044423.134	87.487
6191	34350878.348	5043423.662	131.326	7351263.072	5044426.362	0.705	0.425	43.985	7351263.777	5044426.787	87.341
6192	34350882.716	5043434.537	129.178	7351267.441	5044437.241	0.705	0.424	43.985	7351268.146	5044437.665	85.193
6193	34350887.268	5043436.717	128.696	7351271.995	5044439.421	0.704	0.425	43.985	7351272.699	5044439.846	84.711
6194	34350887.455	5043441.759	128.000	7351272.182	5044444.465	0.704	0.424	43.985	7351272.886	5044444.889	84.015
6195	34350888.239	5043445.315	127.746	7351272.966	5044448.022	0.704	0.424	43.985	7351273.670	5044448.446	83.761
6196	34350893.078	5043445.998	127.828	7351277.806	5044448.705	0.705	0.425	43.985	7351278.511	5044449.130	83.843
6197	34350892.820	5043441.139	128.095	7351277.548	5044443.845	0.705	0.424	43.985	7351278.253	5044444.269	84.110
6198	34350892.147	5043432.242	129.051	7351276.875	5044434.945	0.705	0.425	43.985	7351277.580	5044435.370	85.066
6199	34350892.269	5043432.196	128.847	7351276.997	5044434.899	0.705	0.425	43.985	7351277.702	5044435.324	84.862
6200	34350889.309	5043434.616	128.763	7351274.036	5044437.320	0.705	0.424	43.985	7351274.741	5044437.744	84.778



6201	34350895.086	5043438.246	128.224	7351279.815	5044440.951	0.705	0.424	43.985	7351280.520	5044441.375	84.239
6202	34350889.441	5043438.741	128.316	7351274.168	5044441.446	0.705	0.424	43.985	7351274.873	5044441.870	84.331
6203	34350893.161	5043445.247	127.867	7351277.889	5044447.954	0.705	0.424	43.985	7351278.594	5044448.378	83.882
6204	34350900.790	5043448.185	127.984	7351285.520	5044450.893	0.705	0.424	43.985	7351286.225	5044451.317	83.999
6205	34350890.795	5043427.289	130.726	7351275.523	5044429.991	0.705	0.424	43.985	7351276.228	5044430.415	86.741
6206	34350890.331	5043427.613	129.040	7351275.059	5044430.315	0.705	0.424	43.985	7351275.764	5044430.739	85.055
6207	34350857.194	5043441.516	131.105	7351241.912	5044444.221	0.704	0.425	43.985	7351242.616	5044444.646	87.120
6208	34350857.988	5043438.831	131.208	7351242.706	5044441.535	0.705	0.425	43.985	7351243.411	5044441.960	87.223
6209	34350839.512	5043476.612	128.805	7351224.223	5044479.327	0.705	0.425	43.985	7351224.928	5044479.752	84.820
6210	34350820.915	5043472.471	130.081	7351205.621	5044475.184	0.705	0.426	43.985	7351206.326	5044475.610	86.096
6211	34350825.925	5043480.286	130.816	7351210.632	5044483.001	0.705	0.426	43.985	7351211.337	5044483.427	86.831
6212	34350826.626	5043475.394	130.373	7351211.333	5044478.108	0.705	0.426	43.985	7351212.038	5044478.534	86.388
6213	34350818.000	5043481.235	131.064	7351202.705	5044483.951	0.705	0.425	43.985	7351203.410	5044484.376	87.079

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GriderWeb Korisnik: Geosystem doo  
Transformacija visina

DATUM FR-NVT2 u DATUM TRST

Naziv tacke	y [m]	x [m]	H1 [m]	dH [m]	H2 [m]
1	7350587.123	5044979.202	87.5200	0.2976	87.8176
2	7350587.983	5044979.232	87.4700	0.2976	87.7676
3	7350590.614	5044979.352	86.8400	0.2976	87.1376
4	7350579.741	5044979.572	87.9300	0.2976	88.2276
5	7350570.438	5044980.612	87.7000	0.2976	87.9976
6	7350579.831	5044970.309	87.9100	0.2976	88.2076
7	7350587.313	5044969.889	87.5000	0.2976	87.7976
8	7350588.203	5044970.009	87.4400	0.2976	87.7376
9	7350590.584	5044970.089	86.8800	0.2976	87.1776
10	7350591.284	5044960.036	86.8600	0.2976	87.1576
11	7350589.064	5044960.256	87.4100	0.2976	87.7076
12	7350588.243	5044959.756	87.4800	0.2976	87.7776
13	7350581.382	5044958.306	87.8400	0.2976	88.1376
14	7350582.862	5044948.053	87.8700	0.2976	88.1676
15	7350590.034	5044948.933	87.4700	0.2976	87.7676
16	7350590.894	5044949.133	87.4400	0.2976	87.7376
17	7350593.065	5044949.833	86.8200	0.2976	87.1176
18	7350594.605	5044942.581	86.8100	0.2976	87.1076
19	7350592.605	5044942.071	87.3800	0.2976	87.6776
19	7350592.545	5044942.081	87.3800	0.2976	87.6776
20	7350591.765	5044941.781	87.4100	0.2976	87.7076
21	7350584.643	5044939.410	87.8500	0.2976	88.1476
22	7350572.729	5044935.389	87.5400	0.2976	87.8376
23	7350587.974	5044930.097	87.8200	0.2976	88.1176
24	7350594.505	5044932.118	87.4300	0.2976	87.7276
25	7350595.566	5044932.278	87.3900	0.2976	87.6876
26	7350597.766	5044932.798	86.7700	0.2976	87.0676
27	7350600.307	5044925.966	86.8100	0.2976	87.1076
28	7350598.287	5044925.736	87.2400	0.2976	87.5376
29	7350597.276	5044925.136	87.4800	0.2976	87.7776
30	7350591.045	5044922.155	87.8000	0.2976	88.0976
31	7350595.176	5044913.372	87.7700	0.2976	88.0676
32	7350600.997	5044916.883	87.5100	0.2976	87.8076
33	7350601.948	5044917.403	87.4300	0.2976	87.7276
34	7350604.068	5044918.534	86.9400	0.2976	87.2376
35	7350607.379	5044911.852	86.9300	0.2976	87.2276
36	7350605.259	5044910.771	87.5000	0.2976	87.7976
37	7350604.608	5044910.121	87.5100	0.2976	87.8076
38	7350599.087	5044906.120	87.7900	0.2976	88.0876
39	7350603.178	5044899.778	87.8100	0.2976	88.1076
40	7350608.740	5044903.099	87.5500	0.2976	87.8476
41	7350609.780	5044903.279	87.5300	0.2976	87.8276
42	7350611.290	5044903.899	86.9800	0.2976	87.2776
43	7350615.251	5044898.048	86.9600	0.2976	87.2576
44	7350614.311	5044897.047	87.4700	0.2976	87.7676
45	7350613.671	5044896.297	87.5700	0.2976	87.8676
46	7350609.050	5044892.206	87.7900	0.2976	88.0876
47	7350613.881	5044886.504	87.8100	0.2976	88.1076
48	7350618.342	5044890.605	87.5500	0.2976	87.8476
49	7350619.373	5044890.956	87.5100	0.2976	87.8076
50	7350620.943	5044891.666	86.9800	0.2976	87.2776
51	7350627.645	5044884.614	87.1300	0.2976	87.4276
52	7350626.445	5044883.223	87.5400	0.2976	87.8376
52	7350626.475	5044883.253	87.5400	0.2976	87.8376
53	7350625.824	5044882.723	87.4900	0.2976	87.7876
54	7350621.213	5044879.142	87.7600	0.2976	88.0576



55	7350620.483	5044878.512	87.9100	0.2976	88.2076
56	7350618.683	5044876.451	87.4800	0.2976	87.7776
57	7350610.220	5044883.123	87.3200	0.2976	87.6176
58	7350613.511	5044885.744	87.9700	0.2976	88.2676
59	7350609.910	5044889.745	88.0000	0.2976	88.2976
60	7350626.305	5044869.799	87.3500	0.2976	87.6476
61	7350628.385	5044871.500	87.8800	0.2976	88.1776
62	7350629.145	5044872.000	87.7500	0.2976	88.0476
63	7350632.997	5044876.251	87.5500	0.2976	87.8476
64	7350633.587	5044876.691	87.6200	0.2976	87.9176
65	7350635.357	5044878.382	87.2500	0.2976	87.5476
66	7350641.889	5044873.440	87.2600	0.2976	87.5576
67	7350640.349	5044871.350	87.6000	0.2976	87.8976
68	7350639.898	5044870.800	87.6000	0.2976	87.8976
69	7350636.007	5044866.518	87.7200	0.2976	88.0176
70	7350635.417	5044866.008	87.8400	0.2976	88.1376
71	7350634.147	5044863.938	87.3500	0.2976	87.6476
72	7350641.999	5044858.136	87.3300	0.2976	87.6276
73	7350643.840	5044859.806	87.8000	0.2976	88.0976
74	7350644.190	5044860.426	87.7200	0.2976	88.0176
75	7350647.891	5044864.848	87.5500	0.2976	87.8476
76	7350648.311	5044865.488	87.5900	0.2976	87.8876
77	7350649.791	5044867.629	87.3400	0.2976	87.6376
78	7350660.714	5044859.556	87.4300	0.2976	87.7276
79	7350659.244	5044857.846	87.5700	0.2976	87.8676
80	7350658.794	5044857.145	87.5600	0.2976	87.8576
81	7350655.453	5044852.284	87.7000	0.2976	87.9976
82	7350655.163	5044851.784	87.7400	0.2976	88.0376
83	7350653.392	5044849.783	87.3800	0.2976	87.6776
84	7350665.536	5044844.262	87.7600	0.2976	88.0576
85	7350676.749	5044834.069	87.5300	0.2976	87.8276
86	7350678.279	5044836.229	87.7100	0.2976	88.0076
87	7350681.930	5044840.711	87.5800	0.2976	87.8776
88	7350684.131	5044843.882	87.1400	0.2976	87.4376
89	7350693.494	5044834.589	87.5510	0.2976	87.8486
90	7350688.642	5044827.197	87.7100	0.2976	88.0076
91	7350698.315	5044817.954	87.4200	0.2976	87.7176
92	7350700.416	5044820.645	87.7510	0.2976	88.0486
93	7350703.466	5044825.546	87.5910	0.2976	87.8886
94	7350705.197	5044828.257	87.2910	0.2976	87.5886
95	7350723.512	5044815.073	87.3610	0.2976	87.6586
96	7350721.601	5044812.862	87.6010	0.2976	87.8986
97	7350718.071	5044808.211	87.6810	0.2976	87.9786
98	7350716.030	5044805.800	87.2810	0.2976	87.5786
99	7350736.366	5044792.226	87.3310	0.2976	87.6286
100	7350737.516	5044794.367	87.6910	0.2976	87.9886
101	7350740.977	5044799.198	87.5710	0.2976	87.8686
102	7350742.747	5044801.889	87.3910	0.2976	87.6886
103	7350762.733	5044787.865	87.3610	0.2976	87.6586
104	7350760.662	5044785.194	87.5710	0.2976	87.8686
105	7350757.382	5044780.533	87.6910	0.2976	87.9886
106	7350756.401	5044779.022	87.5210	0.2976	87.8186
107	7350775.877	5044765.628	87.5410	0.2976	87.8386
108	7350776.857	5044766.879	87.6810	0.2976	87.9786
109	7350780.178	5044771.440	87.5810	0.2976	87.8786
110	7350781.608	5044773.061	87.2610	0.2976	87.5586
111	7350789.251	5044766.219	87.4710	0.2977	87.7687
112	7350792.001	5044763.168	87.5510	0.2977	87.8487
113	7350798.503	5044758.846	87.5410	0.2977	87.8387
114	7350801.494	5044758.606	87.5110	0.2977	87.8087
115	7350793.472	5044766.119	87.3110	0.2977	87.6087
116	7350786.120	5044774.601	86.4110	0.2977	86.7087
117	7350784.099	5044773.121	86.6810	0.2976	86.9786
118	7350778.768	5044779.873	86.0310	0.2976	86.3286
119	7350781.138	5044781.003	85.9510	0.2976	86.2486
120	7350801.284	5044761.307	87.2910	0.2977	87.5887
121	7350776.807	5044788.655	85.2610	0.2976	85.5586
122	7350773.916	5044787.435	85.1810	0.2976	85.4786
123	7350771.835	5044793.007	84.7110	0.2976	85.0086



124	7350775.046	5044793.927	84.7510	0.2976	85.0486
125	7350772.756	5044799.768	84.2210	0.2976	84.5186
126	7350775.766	5044798.078	84.0910	0.2976	84.3886
127	7350781.988	5044803.560	83.1310	0.2976	83.4286
128	7350780.248	5044805.930	83.0410	0.2976	83.3386
129	7350790.670	5044811.942	81.5510	0.2977	81.8487
130	7350793.251	5044809.902	81.6020	0.2977	81.8997
131	7350767.574	5044793.016	85.2910	0.2976	85.5886
132	7350746.028	5044806.631	85.9210	0.2976	86.2186
133	7350756.011	5044819.234	83.4910	0.2976	83.7886
134	7350766.754	5044831.968	81.8810	0.2976	82.1786
135	7350748.368	5044849.113	81.5110	0.2976	81.8086
136	7350737.726	5044835.169	83.0710	0.2976	83.3686
137	7350726.693	5044820.705	85.8810	0.2976	86.1786
138	7350708.748	5044832.938	85.5010	0.2976	85.7986
139	7350718.370	5044844.652	83.4610	0.2976	83.7586
140	7350730.803	5044860.566	81.6110	0.2976	81.9086
141	7350706.367	5044878.222	81.4710	0.2976	81.7686
142	7350696.524	5044862.747	83.0710	0.2976	83.3686
143	7350688.122	5044849.303	85.2610	0.2976	85.5586
144	7350663.765	5044864.208	85.6500	0.2976	85.9476
145	7350672.537	5044877.782	83.3300	0.2976	83.6276
146	7350685.831	5044893.906	81.4410	0.2976	81.7386
147	7350668.116	5044909.851	81.1410	0.2976	81.4386
148	7350655.813	5044894.787	82.5900	0.2976	82.8876
149	7350644.860	5044878.782	85.5500	0.2976	85.8476
150	7350630.406	5044886.434	85.9400	0.2976	86.2376
151	7350622.133	5044894.157	85.6700	0.2976	85.9676
152	7350616.922	5044900.488	85.2800	0.2976	85.5776
153	7350613.591	5044906.900	84.9700	0.2976	85.2676
154	7350610.190	5044915.193	84.7800	0.2976	85.0776
155	7350608.129	5044921.915	84.1900	0.2976	84.4876
156	7350605.659	5044929.077	83.5500	0.2976	83.8476
157	7350603.408	5044936.829	83.3700	0.2976	83.6676
158	7350600.627	5044945.152	83.1000	0.2976	83.3976
159	7350598.356	5044952.504	83.5300	0.2976	83.8276
160	7350596.616	5044960.876	84.1700	0.2976	84.4676
161	7350594.705	5044970.009	84.9200	0.2976	85.2176
162	7350595.985	5044979.142	84.4200	0.2976	84.7176
163	7350608.139	5044979.922	82.6900	0.2976	82.9876
164	7350622.563	5044962.887	80.9900	0.2976	81.2876
165	7350613.740	5044954.184	81.2700	0.2976	81.5676
166	7350625.704	5044929.487	81.5800	0.2976	81.8776
167	7350637.687	5044936.539	80.9300	0.2976	81.2276
168	7350652.621	5044923.745	81.0200	0.2976	81.3176
169	7350640.948	5044906.510	82.4500	0.2976	82.7476
514	7350841.261	5044440.995	85.4000	0.2977	85.6977
515	7350839.291	5044442.756	85.3700	0.2977	85.6677
516	7350844.362	5044446.437	85.4100	0.2977	85.7077
517	7350845.662	5044448.338	85.3600	0.2977	85.6577
518	7350837.140	5044442.936	85.1700	0.2977	85.4677
519	7350843.252	5044438.345	85.3200	0.2977	85.6177
520	7350838.091	5044436.624	85.2800	0.2977	85.5777
521	7350836.830	5044437.384	85.2600	0.2977	85.5577
522	7350835.880	5044438.335	85.2200	0.2977	85.5177
523	7350836.640	5044438.035	85.3700	0.2977	85.6677
524	7350835.140	5044440.125	85.1500	0.2977	85.4477
525	7350833.919	5044442.326	84.6400	0.2977	84.9377
526	7350834.690	5044439.935	85.1600	0.2977	85.4577
527	7350835.410	5044438.105	85.2700	0.2977	85.5677
528	7350835.430	5044437.424	85.2700	0.2977	85.5677
529	7350834.840	5044436.204	85.2500	0.2977	85.5477
530	7350829.328	5044435.974	85.3200	0.2977	85.6177
531	7350825.167	5044437.044	85.3400	0.2977	85.6377
532	7350825.357	5044437.654	85.4600	0.2977	85.7577
533	7350825.797	5044438.565	85.4700	0.2977	85.7677
534	7350824.757	5044440.715	85.4100	0.2977	85.7077
535	7350821.586	5044438.425	85.3900	0.2977	85.6877
536	7350821.186	5044440.375	85.3400	0.2977	85.6377



537	7350821.476	5044443.176	84.7500	0.2977	85.0477
538	7350820.826	5044440.425	85.3400	0.2977	85.6377
539	7350819.295	5044439.765	85.3300	0.2977	85.6277
540	7350813.374	5044445.437	85.3700	0.2977	85.6677
541	7350811.293	5044445.517	85.4500	0.2977	85.7477
542	7350812.513	5044449.748	85.1300	0.2977	85.4277
543	7350799.770	5044454.789	85.5100	0.2977	85.8077
544	7350801.020	5044455.019	85.6700	0.2977	85.9677
545	7350801.840	5044456.610	85.3500	0.2977	85.6477
545	7350802.160	5044456.990	85.3500	0.2977	85.6477
546	7350798.259	5044455.859	85.4800	0.2977	85.7777
547	7350794.768	5044458.870	85.5000	0.2977	85.7977
548	7350796.929	5044461.441	85.4000	0.2977	85.6977
549	7350862.907	5044449.858	85.4710	0.2977	85.7687
550	7350865.778	5044447.768	85.5210	0.2977	85.8187
551	7350870.889	5044454.710	85.5010	0.2977	85.7987
552	7350873.010	5044456.060	85.5010	0.2977	85.7987
553	7350872.330	5044456.540	85.5010	0.2977	85.7987
554	7350871.389	5044455.270	85.4810	0.2977	85.7787
555	7350872.039	5044454.770	85.5010	0.2977	85.7987
556	7350876.941	5044453.249	85.5410	0.2977	85.8387
557	7350876.011	5044451.919	85.5410	0.2977	85.8387
558	7350875.300	5044452.429	85.5310	0.2977	85.8287
559	7350880.802	5044458.231	85.5910	0.2977	85.8887
560	7350881.552	5044458.281	85.5910	0.2977	85.8887
561	7350881.792	5044457.440	85.5710	0.2977	85.8687
562	7350899.457	5044469.794	85.4210	0.2977	85.7187
563	7350894.385	5044462.852	85.4310	0.2977	85.7287
564	7350895.136	5044459.011	85.2810	0.2977	85.5787
565	7350890.755	5044452.879	85.3010	0.2977	85.5987
566	7350886.814	5044452.509	85.4110	0.2977	85.7087
567	7350878.712	5044439.935	85.5510	0.2977	85.8487
568	7350873.771	5044434.804	85.4210	0.2977	85.7187
569	7350873.020	5044433.184	85.4110	0.2977	85.7087
570	7350873.380	5044432.363	85.4110	0.2977	85.7087
571	7350866.909	5044422.731	85.4210	0.2977	85.7187
572	7350865.499	5044423.421	85.4210	0.2977	85.7187
573	7350863.728	5044432.813	85.5910	0.2977	85.8887
574	7350863.098	5044432.603	85.5910	0.2977	85.8887
575	7350862.838	5044433.293	85.5910	0.2977	85.8887
576	7350866.658	5044440.306	85.5410	0.2977	85.8387
577	7350867.319	5044439.825	85.5410	0.2977	85.8387
578	7350866.378	5044438.525	85.5410	0.2977	85.8387
579	7350861.787	5044441.796	85.4910	0.2977	85.7887
580	7350862.687	5044443.106	85.5110	0.2977	85.8087
581	7350863.407	5044442.626	85.5110	0.2977	85.8087
582	7350858.846	5044445.837	85.4710	0.2977	85.7687
583	7350859.516	5044445.367	85.4510	0.2977	85.7487
584	7350858.576	5044444.046	85.4510	0.2977	85.7487
585	7350853.955	5044447.367	85.4810	0.2977	85.7787
586	7350854.905	5044448.638	85.4910	0.2977	85.7887
587	7350855.595	5044448.188	85.4910	0.2977	85.7887
588	7350864.267	5044460.301	85.5010	0.2977	85.7987
589	7350863.557	5044460.791	85.4910	0.2977	85.7887
590	7350864.477	5044462.122	85.4910	0.2977	85.7887
591	7350861.827	5044456.920	85.5010	0.2977	85.7987
592	7350861.186	5044457.380	85.5010	0.2977	85.7987
593	7350860.546	5044456.510	85.5010	0.2977	85.7987
594	7350861.196	5044456.020	85.4910	0.2977	85.7887
595	7350858.636	5044452.439	85.4910	0.2977	85.7887
596	7350857.956	5044452.919	85.5010	0.2977	85.7987
597	7350857.305	5044452.039	85.4910	0.2977	85.7887
598	7350857.996	5044451.539	85.4910	0.2977	85.7887
599	7350869.049	5044443.646	85.5410	0.2977	85.8387
600	7350869.699	5044443.226	85.5410	0.2977	85.8387
601	7350870.379	5044444.077	85.5410	0.2977	85.8387
602	7350869.719	5044444.567	85.5410	0.2977	85.8387
603	7350872.260	5044448.138	85.5410	0.2977	85.8387
604	7350872.920	5044447.648	85.5410	0.2977	85.8387



605	7350873.580	5044448.558	85.5410	0.2977	85.8387
606	7350872.910	5044449.028	85.5410	0.2977	85.8387
607	7350846.954	5044399.734	85.3800	0.2977	85.6777
608	7350837.872	5044387.330	85.3300	0.2977	85.6277
609	7350841.643	5044384.690	85.2600	0.2977	85.5577
610	7350832.851	5044379.358	85.3300	0.2977	85.6277
611	7350833.971	5044378.598	85.4400	0.2977	85.7377
612	7350837.142	5044376.117	85.3500	0.2977	85.6477
613	7350822.858	5044365.524	85.3100	0.2977	85.6077
614	7350823.889	5044364.974	85.3400	0.2977	85.6377
615	7350814.166	5044353.671	85.3700	0.2977	85.6677
616	7350814.726	5044352.471	85.4300	0.2977	85.7277
617	7350813.166	5044352.110	85.3900	0.2977	85.6877
618	7350806.074	5044359.933	85.7000	0.2977	85.9977
619	7350808.504	5044363.444	85.7800	0.2977	86.0777
620	7350810.285	5044360.723	85.3800	0.2977	85.6777
621	7350810.555	5044364.414	85.4000	0.2977	85.6977
622	7350809.134	5044364.384	85.7000	0.2977	85.9977
623	7350819.207	5044375.577	85.6200	0.2977	85.9177
624	7350821.958	5044375.987	85.4900	0.2977	85.7877
625	7350836.391	5044395.603	85.5000	0.2977	85.7977
626	7350834.751	5044396.953	85.6700	0.2977	85.9677
627	7350837.842	5044398.373	85.5200	0.2977	85.8177
628	7350838.532	5044400.814	85.5100	0.2977	85.8077
629	7350838.562	5044403.005	85.5000	0.2977	85.7977
630	7350838.732	5044405.405	85.4800	0.2977	85.7777
631	7350836.501	5044404.235	85.5300	0.2977	85.8277
632	7350832.500	5044398.624	85.6300	0.2977	85.9277
633	7350828.949	5044401.194	85.5300	0.2977	85.8277
634	7350834.430	5044408.696	85.4800	0.2977	85.7777
635	7350835.471	5044411.737	85.4700	0.2977	85.7677
636	7350837.921	5044408.566	85.4900	0.2977	85.7877
637	7350826.568	5044402.855	85.3500	0.2977	85.6477
638	7350832.720	5044414.608	85.4600	0.2977	85.7577
639	7350825.278	5044418.179	85.5300	0.2977	85.8277
640	7350823.887	5044419.829	85.6100	0.2977	85.9077
641	7350822.247	5044421.000	85.6400	0.2977	85.9377
642	7350820.616	5044422.140	85.6600	0.2977	85.9577
643	7350822.937	5044414.938	85.6000	0.2977	85.8977
644	7350810.104	5044408.576	85.6300	0.2977	85.9277
645	7350822.817	5044408.756	85.4800	0.2977	85.7777
646	7350802.142	5044395.212	85.5700	0.2977	85.8677
647	7350802.442	5044398.803	85.6000	0.2977	85.8977
648	7350801.151	5044401.284	85.5700	0.2977	85.8677
649	7350796.270	5044405.095	85.6600	0.2977	85.9577
650	7350794.209	5044405.285	85.7700	0.2977	86.0677
651	7350791.789	5044404.455	85.8300	0.2977	86.1277
652	7350794.479	5044400.674	88.0100	0.2977	88.3077
653	7350798.311	5044398.173	87.8900	0.2977	88.1877
654	7350795.020	5044394.052	88.1200	0.2977	88.4177
655	7350794.140	5044394.622	88.3100	0.2977	88.6077
656	7350795.100	5044396.023	88.2900	0.2977	88.5877
657	7350793.479	5044397.123	88.2300	0.2977	88.5277
658	7350791.689	5044396.343	87.9800	0.2977	88.2777
659	7350790.218	5044394.292	87.6600	0.2977	87.9577
660	7350787.528	5044396.153	86.8500	0.2977	87.1477
660	7350787.488	5044396.153	85.7500	0.2977	86.0477
661	7350786.927	5044398.193	85.7600	0.2977	86.0577
662	7350786.437	5044402.394	85.7800	0.2977	86.0777
663	7350817.425	5044418.159	85.6600	0.2977	85.9577
664	7350816.135	5044420.610	85.7300	0.2977	86.0277
665	7350813.874	5044420.870	85.6700	0.2977	85.9677
666	7350816.615	5044424.551	85.6000	0.2977	85.8977
667	7350817.875	5044425.621	85.5400	0.2977	85.8377
668	7350814.094	5044427.071	85.5600	0.2977	85.8577
669	7350813.864	5044425.891	85.6300	0.2977	85.9277
670	7350811.424	5044422.860	85.6700	0.2977	85.9677
671	7350807.833	5044425.381	85.6500	0.2977	85.9477
672	7350853.324	5044477.236	81.4910	0.2977	81.7887



672	7350845.142	5044467.583	82.6710	0.2977	82.9687
673	7350829.628	5044452.099	83.4600	0.2977	83.7577
674	7350821.046	5044449.418	83.6000	0.2977	83.8977
675	7350822.726	5044448.307	83.5900	0.2977	83.8877
676	7350831.859	5044448.297	83.9700	0.2977	84.2677
677	7350808.402	5044461.491	83.6600	0.2977	83.9577
678	7350808.161	5044472.154	82.8900	0.2977	83.1877
679	7350808.171	5044488.499	82.8800	0.2977	83.1777
679	7350771.551	5044478.536	85.7200	0.2976	86.0176
680	7350775.172	5044476.695	85.8200	0.2976	86.1176
681	7350771.441	5044482.447	85.6200	0.2976	85.9176
682	7350773.452	5044481.467	85.5600	0.2976	85.8576
683	7350766.150	5044471.984	85.7200	0.2976	86.0176
684	7350764.259	5044471.334	85.7000	0.2976	85.9976
685	7350768.481	5044464.132	85.7000	0.2976	85.9976
686	7350769.921	5044460.921	85.7700	0.2976	86.0676
687	7350773.892	5044455.479	85.7500	0.2976	86.0476
688	7350784.195	5044447.267	85.7300	0.2977	86.0277
689	7350787.406	5044445.667	85.6000	0.2977	85.8977
690	7350789.537	5044448.727	85.6000	0.2977	85.8977
691	7350790.117	5044452.649	85.6000	0.2977	85.8977
692	7350789.507	5044455.339	85.5900	0.2977	85.8877
693	7350787.656	5044458.150	85.5900	0.2977	85.8877
694	7350781.154	5044463.882	85.6600	0.2977	85.9577
695	7350777.873	5044465.852	85.6700	0.2976	85.9676
696	7350774.262	5044466.502	85.6600	0.2976	85.9576
697	7350771.341	5044465.822	85.7000	0.2976	85.9976
698	7350766.740	5044455.809	85.8500	0.2976	86.1476
699	7350764.980	5044456.550	85.8700	0.2976	86.1676
700	7350768.501	5044453.469	85.8500	0.2976	86.1476
701	7350781.045	5044444.036	85.9100	0.2977	86.2077
702	7350783.855	5044441.395	85.5400	0.2977	85.8377
703	7350782.285	5044441.295	85.8300	0.2977	86.1277
704	7350783.325	5044438.194	85.5800	0.2977	85.8777
705	7350781.555	5044438.335	85.8500	0.2977	86.1477
706	7350781.505	5044435.864	85.5600	0.2977	85.8577
707	7350779.704	5044436.844	85.9200	0.2976	86.2176
708	7350777.644	5044436.424	85.9200	0.2976	86.2176
709	7350778.374	5044434.744	85.5600	0.2976	85.8576
710	7350776.254	5044435.974	85.9300	0.2976	86.2276
711	7350776.694	5044434.343	85.9300	0.2976	86.2276
712	7350776.404	5044432.493	85.9100	0.2976	86.2076
713	7350777.794	5044431.413	85.5600	0.2976	85.8576
714	7350780.565	5044433.123	85.5600	0.2977	85.8577
715	7350775.573	5044431.022	85.9200	0.2976	86.2176
716	7350775.794	5044429.012	85.5400	0.2976	85.8376
717	7350772.673	5044427.962	85.6100	0.2976	85.9076
718	7350773.403	5044429.742	85.9000	0.2976	86.1976
719	7350770.762	5044428.882	85.9000	0.2976	86.1976
720	7350771.042	5044426.961	85.9000	0.2976	86.1976
721	7350770.462	5044424.981	85.8900	0.2976	86.1876
722	7350777.274	5044426.851	85.6300	0.2976	85.9276
723	7350810.613	5044427.792	85.5300	0.2977	85.8277
724	7350808.683	5044429.292	85.5600	0.2977	85.8577
725	7350807.012	5044427.642	85.5600	0.2977	85.8577
726	7350800.491	5044415.818	85.5600	0.2977	85.8577
727	7350797.970	5044415.368	85.5700	0.2977	85.8677
728	7350806.592	5044427.702	85.5700	0.2977	85.8677
729	7350803.031	5044426.621	85.5900	0.2977	85.8877
730	7350798.290	5044424.151	85.6200	0.2977	85.9177
731	7350795.059	5044421.350	85.6600	0.2977	85.9577
732	7350795.069	5044420.380	85.6600	0.2977	85.9577
733	7350795.909	5044419.429	85.6400	0.2977	85.9377
734	7350793.099	5044419.009	85.6400	0.2977	85.9377
735	7350793.829	5044419.109	85.6400	0.2977	85.9377
736	7350794.539	5044418.889	85.6200	0.2977	85.9177
737	7350787.657	5044411.417	85.6800	0.2977	85.9777
738	7350786.647	5044407.826	85.7200	0.2977	86.0177
739	7350786.377	5044401.014	85.7900	0.2977	86.0877



740	7350760.020	5044405.875	85.6590	0.2976	85.9566
741	7350779.615	5044403.525	85.6800	0.2977	85.9777
742	7350842.782	5044446.537	85.3700	0.2977	85.6677
743	7350867.868	5044456.830	85.4910	0.2977	85.7887
744	7350867.538	5044457.940	85.4710	0.2977	85.7687
745	7350868.198	5044457.540	85.4810	0.2977	85.7787
746	7350869.109	5044458.831	85.4710	0.2977	85.7687
747	7350857.876	5044456.350	85.6110	0.2977	85.9087
748	7350818.906	5044402.645	85.3400	0.2977	85.6377
749	7350786.567	5044419.179	85.7200	0.2977	86.0177
750	7350769.253	5044398.323	85.6690	0.2976	85.9666
751	7350815.885	5044397.893	85.2200	0.2977	85.5177
752	7350822.827	5044397.833	85.2700	0.2977	85.5677
753	7350817.216	5044392.292	85.3500	0.2977	85.6477
754	7350779.354	5044445.096	85.9300	0.2976	86.2276
755	7350778.264	5044445.336	85.9200	0.2976	86.2176
756	7350775.503	5044446.437	85.9200	0.2976	86.2176
757	7350775.283	5044447.997	85.9100	0.2976	86.2076
758	7350773.933	5044449.878	85.8900	0.2976	86.1876
759	7350772.392	5044450.768	85.8900	0.2976	86.1876
760	7350771.402	5044450.958	85.8800	0.2976	86.1776
761	7350768.681	5044451.848	85.8900	0.2976	86.1876
762	7350764.731	5044421.630	85.9090	0.2976	86.2066
763	7350765.041	5044419.629	85.8790	0.2976	86.1766
764	7350759.339	5044414.228	85.8890	0.2976	86.1866
765	7350759.459	5044412.817	85.9190	0.2976	86.2166
766	7350753.718	5044407.326	85.8690	0.2976	86.1666
767	7350753.818	5044406.005	85.8790	0.2976	86.1766
768	7350800.720	5044444.306	85.4800	0.2977	85.7777
769	7350760.139	5044453.849	86.1300	0.2976	86.4276
770	7350754.537	5044457.870	85.7890	0.2976	86.0866
771	7350760.699	5044454.849	85.8300	0.2976	86.1276
772	7350760.709	5044454.879	85.8200	0.2976	86.1176
773	7350761.029	5044455.249	85.8200	0.2976	86.1176
772	7350762.289	5044456.199	85.8300	0.2976	86.1276
773	7350759.809	5044452.889	85.8100	0.2976	86.1076
774	7350759.909	5044450.838	85.8100	0.2976	86.1076
775	7350759.368	5044449.688	85.8200	0.2976	86.1176
776	7350760.549	5044457.070	85.7200	0.2976	86.0176
777	7350758.738	5044454.679	85.7400	0.2976	86.0376
778	7350758.118	5044451.418	85.6900	0.2976	85.9876
779	7350756.388	5044452.668	85.6690	0.2976	85.9666
780	7350754.867	5044450.248	85.6690	0.2976	85.9666
781	7350757.108	5044449.528	85.8090	0.2976	86.1066
782	7350755.217	5044448.297	85.8290	0.2976	86.1266
783	7350754.157	5044446.187	85.8490	0.2976	86.1466
784	7350754.387	5044443.666	85.8490	0.2976	86.1466
785	7350753.927	5044442.826	85.8590	0.2976	86.1566
786	7350753.067	5044447.977	85.6690	0.2976	85.9666
787	7350752.427	5044444.676	85.6790	0.2976	85.9766
788	7350749.346	5044443.446	85.6790	0.2976	85.9766
789	7350751.717	5044442.816	85.8290	0.2976	86.1266
790	7350749.596	5044441.505	85.8290	0.2976	86.1266
791	7350748.556	5044439.345	85.8390	0.2976	86.1366
792	7350748.816	5044436.814	85.8890	0.2976	86.1866
793	7350747.926	5044435.644	85.8790	0.2976	86.1766
794	7350747.465	5044441.195	85.6990	0.2976	85.9966
795	7350746.625	5044437.634	85.6690	0.2976	85.9666
796	7350745.085	5044439.025	85.7290	0.2976	86.0266
797	7350745.685	5044435.604	85.8490	0.2976	86.1466
798	7350743.324	5044436.174	85.6590	0.2976	85.9566
799	7350743.495	5044434.163	85.7990	0.2976	86.0966
800	7350741.404	5044433.803	85.6990	0.2976	85.9966
801	7350742.464	5044431.252	85.8190	0.2976	86.1166
802	7350742.724	5044429.752	85.8290	0.2976	86.1266
803	7350742.394	5044428.772	85.8490	0.2976	86.1466
804	7350740.284	5044428.782	85.7990	0.2976	86.0966
805	7350740.824	5044430.582	85.6390	0.2976	85.9366
806	7350737.673	5044429.352	85.6190	0.2976	85.9166



807	7350737.853	5044427.241	85.7990	0.2976	86.0966
808	7350735.823	5044426.981	85.6190	0.2976	85.9166
809	7350736.863	5044424.771	85.8090	0.2976	86.1066
810	7350737.133	5044422.870	85.8290	0.2976	86.1266
811	7350736.613	5044422.030	85.8090	0.2976	86.1066
812	7350735.333	5044423.830	85.5590	0.2976	85.8566
813	7350733.492	5044424.941	85.5590	0.2976	85.8566
814	7350734.372	5044421.920	85.8090	0.2976	86.1066
815	7350732.182	5044422.630	85.5290	0.2976	85.8266
816	7350732.262	5044420.529	85.7890	0.2976	86.0866
817	7350730.221	5044420.319	85.5590	0.2976	85.8566
818	7350731.162	5044417.859	85.7790	0.2976	86.0766
819	7350731.462	5044415.928	85.7790	0.2976	86.0766
820	7350729.571	5044417.018	85.6490	0.2976	85.9466
821	7350730.912	5044413.707	85.7990	0.2976	86.0966
822	7350730.281	5044413.798	85.6390	0.2976	85.9366
823	7350728.841	5044415.018	85.6690	0.2976	85.9666
824	7350726.550	5044412.317	85.6390	0.2976	85.9366
825	7350724.560	5044405.925	85.5390	0.2976	85.8366
825	7350724.480	5044405.915	85.5390	0.2976	85.8366
826	7350719.849	5044408.946	85.4790	0.2976	85.7766
827	7350726.180	5044424.470	85.6690	0.2976	85.9666
828	7350726.000	5044424.761	85.5590	0.2976	85.8566
829	7350738.673	5044438.364	85.8290	0.2976	86.1266
830	7350738.473	5044438.695	85.5890	0.2976	85.8866
831	7350709.125	5044429.292	85.5090	0.2976	85.8066
832	7350693.170	5044443.586	85.4390	0.2976	85.7366
833	7350674.115	5044462.761	85.4190	0.2976	85.7166
834	7350695.160	5044476.095	85.4490	0.2976	85.7466
835	7350708.134	5044462.351	85.4890	0.2976	85.7866
836	7350723.439	5044449.538	85.5190	0.2976	85.8166
837	7350738.722	5044466.772	85.5590	0.2976	85.8566
838	7350726.799	5044476.695	85.5390	0.2976	85.8366
839	7350714.165	5044488.148	85.4990	0.2976	85.7966
840	7350743.683	5044506.894	85.5600	0.2976	85.8576
841	7350679.537	5044442.806	85.4190	0.2976	85.7166
842	7350670.454	5044431.862	85.5380	0.2976	85.8356
843	7350661.352	5044436.624	85.6080	0.2976	85.9056
844	7350648.668	5044446.727	85.6480	0.2976	85.9456
845	7350642.286	5044442.875	85.5980	0.2976	85.8956
846	7350639.086	5044438.884	85.8080	0.2976	86.1056
847	7350641.376	5044441.625	85.7080	0.2976	86.0056
848	7350641.136	5044443.776	85.5080	0.2976	85.8056
849	7350640.296	5044442.705	85.5580	0.2976	85.8556
850	7350639.066	5044441.175	84.5780	0.2976	84.8756
851	7350640.196	5044440.255	84.6980	0.2976	84.9956
852	7350637.975	5044439.715	84.4980	0.2976	84.7956
853	7350638.956	5044438.824	84.5780	0.2976	84.8756
854	7350638.365	5044439.054	84.2980	0.2976	84.5956
855	7350631.024	5044429.062	85.7780	0.2976	86.0756
856	7350636.465	5044427.071	85.8080	0.2976	86.1056
857	7350639.106	5044430.342	85.8180	0.2976	86.1156
858	7350644.677	5044432.583	85.8180	0.2976	86.1156
859	7350638.666	5044423.950	85.8280	0.2976	86.1256
860	7350638.906	5044438.574	85.8180	0.2976	86.1156
861	7350638.836	5044438.484	85.8480	0.2976	86.1456
862	7350651.739	5044428.091	85.7980	0.2976	86.0956
863	7350651.649	5044427.991	85.7980	0.2976	86.0956
864	7350641.526	5044433.553	85.7980	0.2976	86.0956
865	7350650.339	5044426.561	85.8080	0.2976	86.1056
866	7350647.678	5044423.330	85.7980	0.2976	86.0956
867	7350645.008	5044420.089	85.8180	0.2976	86.1156
868	7350644.057	5044418.319	85.8380	0.2976	86.1356
869	7350653.500	5044413.087	85.7980	0.2976	86.0956
870	7350656.191	5044416.318	85.7880	0.2976	86.0856
871	7350658.832	5044419.559	85.7980	0.2976	86.0956
872	7350661.162	5044420.329	85.8080	0.2976	86.1056
873	7350667.894	5044413.477	85.8180	0.2976	86.1156
874	7350667.314	5044412.587	85.8180	0.2976	86.1156



875	7350664.633	5044409.336	85.8080	0.2976	86.1056
876	7350661.953	5044406.125	85.8080	0.2976	86.1056
877	7350676.107	5044410.126	85.7580	0.2976	86.0556
878	7350677.667	5044411.957	85.7580	0.2976	86.0556
879	7350661.313	5044405.345	85.8080	0.2976	86.1056
880	7350683.468	5044419.639	85.5090	0.2976	85.8066
881	7350681.498	5044408.826	85.7680	0.2976	86.0656
882	7350642.366	5044445.256	85.2080	0.2976	85.5056
883	7350661.521	5044457.170	85.3980	0.2976	85.6956
884	7350659.611	5044461.331	83.7280	0.2976	84.0256
884	7350658.610	5044463.631	82.1280	0.2976	82.4256
885	7350679.996	5044468.323	85.1490	0.2976	85.4466
886	7350672.624	5044466.822	84.1990	0.2976	84.4966
887	7350681.396	5044471.264	84.2790	0.2976	84.5766
888	7350680.016	5044473.424	84.0990	0.2976	84.3966
889	7350678.616	5044474.925	82.2890	0.2976	82.5866
890	7350706.033	5044492.510	81.9790	0.2976	82.2766
891	7350707.123	5044490.479	84.0490	0.2976	84.3466
892	7350708.483	5044488.869	84.0890	0.2976	84.3866
893	7350709.824	5044487.278	85.3890	0.2976	85.6866
894	7350723.167	5044495.640	85.3990	0.2976	85.6966
895	7350722.367	5044497.631	84.2790	0.2976	84.5766
896	7350720.947	5044499.852	83.9990	0.2976	84.2966
897	7350717.786	5044502.542	80.9790	0.2976	81.2766
898	7350742.952	5044508.124	85.3900	0.2976	85.6876
899	7350744.973	5044508.174	85.4300	0.2976	85.7276
900	7350743.202	5044510.595	83.9600	0.2976	84.2576
901	7350742.432	5044513.686	83.6600	0.2976	83.9576
902	7350745.043	5044514.336	83.8100	0.2976	84.1076
903	7350746.743	5044513.456	83.7900	0.2976	84.0876
904	7350745.703	5044510.645	83.9700	0.2976	84.2676
905	7350738.401	5044522.708	80.0700	0.2976	80.3676
906	7350729.778	5044531.010	80.0700	0.2976	80.3676
907	7350760.499	5044449.548	85.8700	0.2976	86.1676
908	7350760.359	5044449.398	85.8600	0.2976	86.1576
909	7350754.757	5044442.546	85.8690	0.2976	86.1666
910	7350748.736	5044435.324	85.8790	0.2976	86.1766
911	7350749.326	5044435.924	85.8690	0.2976	86.1666
912	7350743.095	5044428.542	85.8490	0.2976	86.1466
913	7350737.433	5044421.670	85.8390	0.2976	86.1366
914	7350813.406	5044350.600	81.7100	0.2977	82.0077
915	7350808.685	5044346.289	81.5900	0.2977	81.8877
916	7350819.718	5044337.586	81.2900	0.2977	81.5877
917	7350824.189	5044343.668	81.4200	0.2977	81.7177
918	7350829.491	5044341.107	81.4200	0.2977	81.7177
919	7350803.404	5044339.007	81.7600	0.2977	82.0577
920	7350814.337	5044330.904	85.0100	0.2977	85.3077
921	7350822.299	5044325.093	84.9700	0.2977	85.2677
922	7350827.491	5044321.322	84.9800	0.2977	85.2777
923	7350842.466	5044290.323	84.5900	0.2977	84.8877
924	7350841.496	5044289.093	83.4700	0.2977	83.7677
925	7350836.104	5044287.913	83.1600	0.2977	83.4577
926	7350835.584	5044287.312	81.9700	0.2977	82.2677
927	7350829.522	5044291.904	83.6300	0.2977	83.9277
928	7350829.382	5044294.114	83.9800	0.2977	84.2777
929	7350824.801	5044297.955	84.7200	0.2977	85.0177
930	7350830.502	5044297.855	84.1500	0.2977	84.4477
931	7350830.742	5044298.575	84.7300	0.2977	85.0277
932	7350822.750	5044303.767	85.2600	0.2977	85.5577
933	7350831.312	5044299.486	85.2200	0.2977	85.5177
934	7350843.296	5044293.084	85.1400	0.2977	85.4377
935	7350844.666	5044291.554	84.9500	0.2977	85.2477
936	7350846.347	5044289.633	84.9100	0.2977	85.2077
937	7350864.522	5044283.621	85.2300	0.2977	85.5277
938	7350855.009	5044288.903	85.1900	0.2977	85.4877
939	7350855.349	5044289.333	85.1900	0.2977	85.4877
940	7350848.057	5044292.854	85.1900	0.2977	85.4877
941	7350848.597	5044293.904	85.1600	0.2977	85.4577
942	7350840.265	5044296.965	85.2600	0.2977	85.5577



943	7350841.205	5044298.896	85.2100	0.2977	85.5077
944	7350820.159	5044306.368	85.4100	0.2977	85.7077
945	7350807.445	5044312.009	85.3890	0.2977	85.6867
946	7350812.156	5044326.243	84.9000	0.2977	85.1977
947	7350810.266	5044328.844	84.8200	0.2977	85.1177
948	7350797.312	5044316.370	85.3790	0.2977	85.6767
949	7350796.792	5044315.350	85.2590	0.2977	85.5567
950	7350806.995	5044310.989	85.2390	0.2977	85.5367
951	7350801.784	5044308.238	81.0990	0.2977	81.3967
952	7350818.309	5044298.125	81.5900	0.2977	81.8877
953	7350817.809	5044297.235	80.8790	0.2977	81.1767
954	7350823.330	5044294.744	81.6800	0.2977	81.9777
955	7350828.212	5044292.614	82.3500	0.2977	82.6477
956	7350830.612	5044287.472	80.8200	0.2977	81.1177
957	7350834.134	5044280.911	80.6400	0.2977	80.9377
958	7350837.025	5044278.750	79.9000	0.2977	80.1977
959	7350842.236	5044274.469	79.6100	0.2977	79.9077
960	7350839.565	5044270.848	78.3800	0.2977	78.6777
961	7350854.470	5044261.155	78.3800	0.2977	78.6777
962	7350868.194	5044252.293	78.4000	0.2977	78.6977
963	7350832.653	5044274.189	78.4000	0.2977	78.6977
964	7350818.019	5044275.819	78.3990	0.2977	78.6967
965	7350818.689	5044279.050	79.8990	0.2977	80.1967
966	7350819.770	5044281.071	80.5390	0.2977	80.8367
967	7350817.409	5044277.270	79.0190	0.2977	79.3167
968	7350815.218	5044276.469	78.4290	0.2977	78.7267
969	7350817.179	5044275.089	78.2590	0.2977	78.5567
970	7350796.183	5044291.483	79.1490	0.2977	79.4467
971	7350794.132	5044290.193	78.3290	0.2977	78.6267
972	7350796.353	5044289.083	78.3390	0.2977	78.6367
973	7350794.802	5044294.234	79.8090	0.2977	80.1067
974	7350795.242	5044296.455	80.5790	0.2977	80.8767
975	7350797.463	5044295.124	80.3090	0.2977	80.6067
976	7350799.534	5044293.884	80.3090	0.2977	80.6067
977	7350799.734	5044296.175	80.5290	0.2977	80.8267
978	7350779.348	5044307.228	80.9190	0.2977	81.2167
979	7350778.288	5044304.777	79.8990	0.2977	80.1967
980	7350774.106	5044302.887	78.3990	0.2976	78.6966
981	7350776.087	5044303.887	78.9290	0.2976	79.2266
982	7350776.077	5044301.656	78.4190	0.2976	78.7166
983	7350776.097	5044301.446	78.2890	0.2976	78.5866
984	7350760.663	5044310.609	78.3190	0.2976	78.6166
985	7350754.331	5044315.520	78.3390	0.2976	78.6366
986	7350765.364	5044315.310	80.8790	0.2976	81.1766
987	7350761.783	5044319.051	81.5690	0.2976	81.8666
988	7350767.534	5044319.851	80.9290	0.2976	81.2266
989	7350781.498	5044312.109	81.0190	0.2977	81.3167
990	7350795.782	5044310.229	81.1090	0.2977	81.4067
991	7350823.820	5044311.629	85.4900	0.2977	85.7877
992	7350845.276	5044298.946	85.1000	0.2977	85.3977
992	7350845.306	5044299.246	84.5100	0.2977	84.8077
993	7350847.827	5044303.287	84.6300	0.2977	84.9277
994	7350846.867	5044307.458	84.9600	0.2977	85.2577
995	7350851.838	5044303.947	84.9600	0.2977	85.2577
996	7350855.509	5044308.958	85.0200	0.2977	85.3177
997	7350836.614	5044306.158	84.8700	0.2977	85.1677
998	7350840.525	5044291.183	84.2200	0.2977	84.5177
999	7350868.693	5044291.674	84.8600	0.2977	85.1577
1000	7350875.195	5044300.696	85.0300	0.2977	85.3277
1001	7350798.212	5044332.135	85.6190	0.2977	85.9167
1002	7350787.339	5044340.457	85.6390	0.2977	85.9367
1003	7350786.449	5044341.207	85.6490	0.2977	85.9467
1004	7350783.698	5044335.976	85.7090	0.2977	86.0067
1005	7350777.067	5044327.693	85.7290	0.2976	86.0266
1006	7350782.508	5044329.494	85.5190	0.2977	85.8167
1007	7350775.816	5044328.394	85.7090	0.2976	86.0066
1008	7350774.986	5044325.103	85.6190	0.2976	85.9166
1009	7350777.427	5044319.981	85.4390	0.2976	85.7366
1010	7350772.806	5044322.902	85.5290	0.2976	85.8266



1011	7350767.274	5044327.403	85.6590	0.2976	85.9566
1012	7350763.543	5044322.982	85.6090	0.2976	85.9066
1013	7350767.054	5044324.413	85.6090	0.2976	85.9066
1014	7350762.723	5044323.552	85.6890	0.2976	85.9866
1015	7350762.903	5044325.303	85.6990	0.2976	85.9966
1016	7350765.343	5044332.955	85.7990	0.2976	86.0966
1017	7350764.723	5044334.725	85.8290	0.2976	86.1266
1018	7350764.633	5044334.685	85.2790	0.2976	85.5766
1019	7350763.793	5044336.186	85.8490	0.2976	86.1466
1020	7350763.683	5044336.136	84.8690	0.2976	85.1666
1021	7350767.054	5044335.926	85.8290	0.2976	86.1266
1022	7350756.290	5044344.718	85.8390	0.2976	86.1366
1023	7350759.441	5044341.757	85.7990	0.2976	86.0966
1024	7350764.333	5044347.769	85.7790	0.2976	86.0766
1025	7350770.114	5044354.861	85.6190	0.2976	85.9166
1026	7350754.719	5044367.685	85.6490	0.2976	85.9466
1027	7350753.899	5044368.375	85.6490	0.2976	85.9466
1028	7350750.998	5044362.633	85.7690	0.2976	86.0666
1029	7350744.007	5044354.471	85.7990	0.2976	86.0966
1030	7350745.517	5044353.511	85.8390	0.2976	86.1366
1031	7350743.126	5044355.121	85.8290	0.2976	86.1266
1032	7350742.096	5044353.811	85.8590	0.2976	86.1566
1033	7350742.126	5044353.741	84.5290	0.2976	84.8266
1034	7350735.054	5044362.063	85.8490	0.2976	86.1466
1035	7350720.580	5044373.936	85.8290	0.2976	86.1266
1036	7350710.327	5044381.959	85.7990	0.2976	86.0966
1037	7350721.460	5044380.818	85.6490	0.2976	85.9466
1038	7350722.830	5044382.219	85.6190	0.2976	85.9166
1039	7350738.755	5044380.958	85.6290	0.2976	85.9266
1040	7350735.954	5044373.286	85.7190	0.2976	86.0166
1041	7350741.035	5044384.379	85.6090	0.2976	85.9066
1042	7350740.015	5044393.122	85.6090	0.2976	85.9066
1043	7350739.054	5044393.852	85.6790	0.2976	85.9766
1044	7350738.264	5044392.982	85.6290	0.2976	85.9266
1045	7350734.853	5044395.762	85.6890	0.2976	85.9866
1046	7350735.663	5044396.703	85.6290	0.2976	85.9266
1047	7350726.941	5044393.202	85.6590	0.2976	85.9566
1048	7350729.352	5044390.521	85.6590	0.2976	85.9566
1049	7350728.382	5044389.311	85.6590	0.2976	85.9566
1050	7350722.740	5044388.170	85.7390	0.2976	86.0366
1051	7350719.669	5044382.779	85.6890	0.2976	85.9866
1052	7350720.520	5044383.749	85.6690	0.2976	85.9666
1053	7350722.420	5044382.279	85.6290	0.2976	85.9266
1054	7350721.890	5044381.678	85.6590	0.2976	85.9566
1055	7350721.030	5044381.678	85.6590	0.2976	85.9566
1056	7350707.345	5044400.934	85.6390	0.2976	85.9366
1057	7350675.867	5044405.595	85.8680	0.2976	86.1656
1058	7350673.206	5044402.324	85.8680	0.2976	86.1656
1059	7350670.615	5044399.173	85.8780	0.2976	86.1756
1060	7350681.718	5044395.282	85.8680	0.2976	86.1656
1061	7350684.369	5044398.593	85.8780	0.2976	86.1756
1062	7350681.028	5044402.674	85.9080	0.2976	86.2056
1063	7350681.088	5044403.434	85.8880	0.2976	86.1856
1064	7350694.162	5044393.212	85.8890	0.2976	86.1866
1065	7350694.122	5044393.142	85.8790	0.2976	86.1766
1066	7350692.892	5044391.601	85.8790	0.2976	86.1766
1067	7350690.231	5044388.390	85.8680	0.2976	86.1656
1068	7350687.550	5044385.129	85.8680	0.2976	86.1656
1069	7350688.951	5044385.039	85.9680	0.2976	86.2656
1070	7350690.201	5044383.989	85.9580	0.2976	86.2556
1071	7350689.191	5044382.759	85.9580	0.2976	86.2556
1072	7350688.711	5044381.658	85.8780	0.2976	86.1756
1073	7350696.073	5044378.147	85.8780	0.2976	86.1756
1074	7350698.704	5044381.328	85.8590	0.2976	86.1566
1075	7350701.374	5044384.609	85.8590	0.2976	86.1566
1076	7350702.735	5044384.519	85.9490	0.2976	86.2466
1077	7350703.995	5044383.469	85.9390	0.2976	86.2366
1078	7350702.995	5044382.259	85.9690	0.2976	86.2666
1079	7350706.916	5044382.789	85.9090	0.2976	86.2066



1080	7350706.866	5044382.699	85.9090	0.2976	86.2066
1081	7350699.064	5044373.186	85.8880	0.2976	86.1856
1082	7350699.654	5044372.776	84.3680	0.2976	84.6656
1083	7350706.556	5044381.228	84.3690	0.2976	84.6666
1084	7350710.487	5044378.057	83.8090	0.2976	84.1066
1085	7350707.456	5044382.199	84.4390	0.2976	84.7366
1086	7350711.197	5044377.607	83.6090	0.2976	83.9066
1087	7350707.356	5044374.396	80.0190	0.2976	80.3166
1088	7350707.916	5044373.926	79.9990	0.2976	80.2966
1089	7350707.296	5044374.306	79.9990	0.2976	80.2966
1090	7350707.826	5044373.826	79.9890	0.2976	80.2866
1091	7350706.406	5044371.376	78.3690	0.2976	78.6666
1092	7350725.171	5044359.572	79.9490	0.2976	80.2466
1093	7350711.967	5044378.458	84.5690	0.2976	84.8666
1094	7350698.984	5044381.108	79.9490	0.2976	80.2466
1095	7350696.573	5044379.228	78.3280	0.2976	78.6256
1096	7350675.667	5044400.214	79.8580	0.2976	80.1556
1097	7350674.096	5044399.103	78.3980	0.2976	78.6956
1098	7350744.136	5044395.752	85.5890	0.2976	85.8866
1099	7350746.416	5044400.894	85.7290	0.2976	86.0266
1100	7350746.906	5044400.724	85.5890	0.2976	85.8866
1101	7350766.162	5044384.559	85.5590	0.2976	85.8566
1102	7350767.862	5044386.760	85.5990	0.2976	85.8966
1103	7350770.503	5044387.020	85.6690	0.2976	85.9666
1104	7350768.543	5044380.158	85.6690	0.2976	85.9666
1105	7350766.452	5044381.859	85.6090	0.2976	85.9066
1106	7350771.284	5044380.448	85.8190	0.2976	86.1166
1107	7350772.994	5044382.569	85.7090	0.2976	86.0066
1108	7350765.352	5044381.328	85.5390	0.2976	85.8366
1109	7350763.762	5044380.188	85.4990	0.2976	85.7966
1110	7350764.212	5044374.857	85.5290	0.2976	85.8266
1111	7350767.093	5044375.877	85.4990	0.2976	85.7966
1112	7350767.313	5044367.235	85.5090	0.2976	85.8066
1113	7350776.045	5044359.202	85.4690	0.2976	85.7666
1114	7350778.056	5044359.612	85.4690	0.2976	85.7666
1115	7350779.396	5044359.132	85.4690	0.2977	85.7667
1116	7350780.697	5044360.793	85.5290	0.2977	85.8267
1117	7350782.557	5044359.312	85.5290	0.2977	85.8267
1118	7350783.928	5044358.392	85.5190	0.2977	85.8167
1119	7350783.458	5044358.742	85.5290	0.2977	85.8267
1120	7350782.487	5044356.692	86.4590	0.2977	86.7567
1121	7350783.258	5044355.491	86.4790	0.2977	86.7767
1122	7350783.168	5044353.721	86.4390	0.2977	86.7367
1123	7350781.437	5044358.532	86.5090	0.2977	86.8067
1124	7350786.619	5044351.620	86.3990	0.2977	86.6967
1125	7350792.330	5044350.130	86.3990	0.2977	86.6967
1126	7350797.222	5044350.770	86.3300	0.2977	86.6277
1127	7350799.042	5044350.730	86.3600	0.2977	86.6577
1128	7350799.532	5044354.241	86.4900	0.2977	86.7877
1129	7350804.443	5044353.831	86.3000	0.2977	86.5977
1130	7350807.284	5044356.582	86.3100	0.2977	86.6077
1131	7350807.504	5044358.812	86.4300	0.2977	86.7277
1132	7350805.934	5044356.532	86.4300	0.2977	86.7277
1133	7350798.202	5044362.103	86.6300	0.2977	86.9277
1134	7350802.753	5044368.425	86.6600	0.2977	86.9577
1135	7350801.893	5044362.823	86.7500	0.2977	87.0477
1136	7350804.343	5044366.314	86.7700	0.2977	87.0677
1137	7350789.769	5044361.793	86.5490	0.2977	86.8467
1138	7350789.699	5044363.774	85.7090	0.2977	86.0067
1139	7350788.559	5044364.754	85.6690	0.2977	85.9667
1140	7350787.809	5044365.354	85.6890	0.2977	85.9867
1141	7350786.878	5044365.834	85.7590	0.2977	86.0567
1142	7350791.510	5044366.154	85.8600	0.2977	86.1577
1143	7350795.421	5044367.925	85.8500	0.2977	86.1477
1144	7350797.311	5044370.415	85.8500	0.2977	86.1477
1145	7350785.828	5044364.354	85.6290	0.2977	85.9267
1146	7350784.168	5044365.764	85.6390	0.2977	85.9367
1147	7350782.797	5044364.174	85.5990	0.2977	85.8967
1148	7350784.388	5044362.763	85.5990	0.2977	85.8967



1149	7350784.318	5044364.204	85.8290	0.2977	86.1267
1150	7350780.167	5044363.313	85.6590	0.2977	85.9567
1151	7350779.426	5044363.974	85.5090	0.2977	85.8067
1152	7350782.727	5044361.323	85.5890	0.2977	85.8867
1153	7350776.375	5044372.596	85.7390	0.2976	86.0366
1154	7350771.164	5044379.088	85.7990	0.2976	86.0966
1155	7350773.934	5044381.238	85.9390	0.2976	86.2366
1155	7350773.234	5044381.629	85.9190	0.2976	86.2166
1156	7350783.707	5044368.435	85.7790	0.2977	86.0767
1157	7350788.809	5044368.205	85.7990	0.2977	86.0967
1158	7350803.303	5044372.556	85.4900	0.2977	85.7877
1159	7350793.170	5044356.762	85.3890	0.2977	85.6867
1160	7350772.004	5044391.901	85.6490	0.2976	85.9466
1161	7350777.135	5044387.700	85.6290	0.2976	85.9266
1162	7350777.395	5044386.740	85.8990	0.2976	86.1966
1163	7350772.744	5044385.280	85.9090	0.2976	86.2066
1164	7350809.675	5044368.175	85.4500	0.2977	85.7477
1165	7350796.151	5044371.776	85.8800	0.2977	86.1777
1166	7350793.480	5044373.996	85.9000	0.2977	86.1977
1167	7350799.151	5044373.716	85.5000	0.2977	85.7977
1168	7350795.480	5044376.407	85.4700	0.2977	85.7677
1169	7350792.439	5044379.058	85.5300	0.2977	85.8277
1170	7350789.519	5044381.669	85.6400	0.2977	85.9377
1171	7350788.808	5044386.710	85.3400	0.2977	85.6377
1172	7350787.268	5044387.750	85.4200	0.2977	85.7177
1173	7350786.228	5044386.220	85.4600	0.2977	85.7577
1174	7350787.778	5044385.170	85.5400	0.2977	85.8377
1175	7350787.608	5044386.370	85.6500	0.2977	85.9477
1176	7350792.019	5044379.338	85.5600	0.2977	85.8577
1177	7350785.787	5044386.450	85.7000	0.2977	85.9977
1178	7350784.637	5044384.860	85.7200	0.2977	86.0177
1179	7350781.806	5044387.920	85.6790	0.2977	85.9767
1180	7350779.316	5044389.201	85.7390	0.2977	86.0367
1181	7350781.106	5044392.482	85.7200	0.2977	86.0177
1182	7350775.874	5044396.723	85.7190	0.2976	86.0166
1183	7350786.968	5044395.342	85.7400	0.2977	86.0377
1184	7350789.698	5044393.472	88.5900	0.2977	88.8877
1185	7350793.149	5044391.191	88.5900	0.2977	88.8877
1186	7350795.670	5044389.451	85.9000	0.2977	86.1977
1187	7350798.421	5044389.971	85.7100	0.2977	86.0077
1188	7350799.901	5044389.581	85.7000	0.2977	85.9977
1189	7350807.864	5044386.390	85.4800	0.2977	85.7777
1190	7350807.594	5044383.239	85.5700	0.2977	85.8677
1191	7350810.424	5044387.070	85.5000	0.2977	85.7977
1192	7350808.284	5044385.510	85.5200	0.2977	85.8177
1193	7350807.283	5044384.099	85.5300	0.2977	85.8277
1194	7350810.885	5044380.868	85.5800	0.2977	85.8777
1195	7350820.187	5044374.127	85.4800	0.2977	85.7777
1196	7350817.887	5044373.016	85.4900	0.2977	85.7877
1197	7350814.296	5044372.786	85.5200	0.2977	85.8177
1198	7350816.966	5044377.077	85.5900	0.2977	85.8877
1199	7350813.385	5044379.658	85.5800	0.2977	85.8777
1200	7350808.764	5044374.297	85.5300	0.2977	85.8277
1201	7350811.015	5044372.776	85.5200	0.2977	85.8177
1202	7350792.369	5044388.421	85.6300	0.2977	85.9277
1203	7350791.469	5044390.091	85.6700	0.2977	85.9677
1204	7350792.279	5044391.731	85.7700	0.2977	86.0677
1205	7350810.985	5044381.519	89.6900	0.2977	89.9877
1206	7350811.275	5044381.349	89.4600	0.2977	89.7577
1207	7350803.092	5044412.267	85.4900	0.2977	85.7877
1208	7350803.822	5044413.198	85.5300	0.2977	85.8277
1209	7350802.171	5044412.207	85.4800	0.2977	85.7777
1210	7350812.245	5044389.531	85.4100	0.2977	85.7077
1211	7350793.980	5044372.986	85.8900	0.2977	86.1877
1212	7350794.330	5044373.296	85.9000	0.2977	86.1977
1213	7350679.088	5044392.191	85.8880	0.2976	86.1856
1214	7350674.847	5044394.192	85.8880	0.2976	86.1856
1215	7350688.980	5044405.045	85.7290	0.2976	86.0266
1216	7350715.767	5044413.077	85.6390	0.2976	85.9366



1217	7350744.126	5044388.620	85.5290	0.2976	85.8266
1218	7350747.186	5044401.844	85.9090	0.2976	86.2066
1219	7350748.607	5044401.844	85.9290	0.2976	86.2266
1220	7350749.897	5044400.234	85.5890	0.2976	85.8866
1221	7350750.737	5044402.004	85.9390	0.2976	86.2366
1222	7350752.748	5044403.395	85.9390	0.2976	86.2366
1223	7350752.948	5044401.324	85.5990	0.2976	85.8966
1224	7350754.858	5044403.665	85.5690	0.2976	85.8666
1225	7350753.688	5044405.025	85.9290	0.2976	86.2266
1226	7350757.369	5044405.135	85.5990	0.2976	85.8966
1227	7350755.479	5044407.026	85.5990	0.2976	85.8966
1228	7350755.669	5044408.736	85.9390	0.2976	86.2366
1229	7350758.619	5044408.156	85.6290	0.2976	85.9266
1230	7350757.929	5044409.816	85.9290	0.2976	86.2266
1231	7350760.510	5044410.547	85.6490	0.2976	85.9466
1232	7350759.289	5044411.777	85.9090	0.2976	86.2066
1233	7350761.080	5044413.778	85.6590	0.2976	85.9566
1234	7350761.470	5044415.558	85.9190	0.2976	86.2166
1235	7350763.861	5044416.828	85.9190	0.2976	86.2166
1236	7350764.241	5044414.968	85.6790	0.2976	85.9766
1237	7350766.071	5044417.289	85.6990	0.2976	85.9966
1238	7350764.761	5044418.259	85.9190	0.2976	86.2166
1239	7350766.911	5044420.830	85.7690	0.2976	86.0666
1240	7350768.492	5044419.149	85.7290	0.2976	86.0266
1241	7350767.972	5044422.970	85.9090	0.2976	86.2066
1242	7350769.732	5044424.070	85.9100	0.2976	86.2076
1243	7350770.212	5044422.260	85.6800	0.2976	85.9776
1244	7350770.532	5044425.131	85.9100	0.2976	86.2076
1245	7350772.053	5044424.671	85.6500	0.2976	85.9476
1246	7350813.583	5044484.478	82.8700	0.2977	83.1677
1247	7350820.864	5044489.329	82.6600	0.2977	82.9577
1248	7350823.835	5044505.724	82.5300	0.2977	82.8277
1249	7350826.225	5044527.050	82.6310	0.2977	82.9287
1250	7350810.681	5044500.792	82.7900	0.2977	83.0877
1251	7350809.301	5044491.349	83.0600	0.2977	83.3577
1252	7350787.575	5044481.967	83.9400	0.2977	84.2377
1253	7350784.265	5044476.485	84.5000	0.2977	84.7977
1254	7350778.343	5044480.156	85.1300	0.2976	85.4276
1255	7350778.913	5044480.976	84.6800	0.2976	84.9776
1256	7350831.007	5044500.312	80.0510	0.2977	80.3487
1257	7350844.430	5044508.014	79.5510	0.2977	79.8487
1258	7350858.074	5044514.886	79.6910	0.2977	79.9887
1259	7350800.508	5044519.577	81.9100	0.2977	82.2077
1260	7350809.841	5044517.497	82.3000	0.2977	82.5977
1261	7350816.412	5044539.133	83.0810	0.2977	83.3787
1262	7350832.037	5044512.105	79.6410	0.2977	79.9387
1263	7350837.649	5044493.130	80.4810	0.2977	80.7787
1264	7350845.771	5044501.473	79.7610	0.2977	80.0587
1265	7350881.881	5044506.284	79.7510	0.2977	80.0487
1266	7350906.037	5044526.750	80.8520	0.2977	81.1497
1267	7350878.339	5044531.401	79.3710	0.2977	79.6687
1268	7350857.073	5044536.322	79.3510	0.2977	79.6487
1269	7350828.375	5044538.453	79.3210	0.2977	79.6187
1270	7350822.193	5044542.624	79.7210	0.2977	80.0187
1271	7350834.376	5044557.878	79.2310	0.2977	79.5287
1272	7350851.721	5044564.060	79.4310	0.2977	79.7287
1273	7350842.758	5044588.767	79.3110	0.2977	79.6087
1274	7350836.096	5044605.562	79.2010	0.2977	79.4987
1275	7350812.769	5044606.882	79.1510	0.2977	79.4487
1276	7350819.391	5044588.837	79.4310	0.2977	79.7287
1277	7350881.657	5044649.065	79.2120	0.2977	79.5097
1278	7350815.999	5044694.038	80.1910	0.2977	80.4887
5001	7350511.413	5044888.455	84.0490	0.2976	84.3466
5002	7350507.392	5044892.266	82.4390	0.2976	82.7366
5003	7350518.795	5044869.489	81.6090	0.2976	81.9066
5004	7350487.087	5044842.081	84.1480	0.2975	84.4455
5005	7350481.305	5044846.753	82.0680	0.2975	82.3655
5006	7350503.892	5044841.871	81.7980	0.2976	82.0956
5007	7350459.800	5044797.648	83.7280	0.2975	84.0255



5008	7350455.059	5044804.420	82.1980	0.2975	82.4955
5009	7350460.420	5044790.846	84.1680	0.2975	84.4655
5010	7350462.061	5044789.245	84.1380	0.2975	84.4355
5011	7350464.011	5044786.635	84.2180	0.2975	84.5155
5012	7350466.822	5044783.434	82.6680	0.2975	82.9655
5013	7350445.466	5044758.986	84.1670	0.2975	84.4645
5014	7350443.366	5044760.127	84.1270	0.2975	84.4245
5016	7350433.223	5044757.136	83.9970	0.2975	84.2945
5017	7350429.052	5044760.177	82.5070	0.2975	82.8045
5018	7350441.375	5044750.124	84.0970	0.2975	84.3945
5019	7350443.816	5044747.963	82.8370	0.2975	83.1345
5020	7350471.934	5044749.994	80.8980	0.2975	81.1955
5021	7350471.664	5044733.079	80.5580	0.2975	80.8555
5022	7350463.772	5044724.566	80.5470	0.2975	80.8445
5023	7350433.813	5044743.001	84.0070	0.2975	84.3045
5024	7350431.573	5044744.012	84.1070	0.2975	84.4045
5025	7350421.430	5044722.435	84.1070	0.2975	84.4045
5026	7350419.799	5044724.246	84.1870	0.2975	84.4845
5027	7350424.141	5044722.645	83.9570	0.2975	84.2545
5028	7350428.622	5044718.924	82.0370	0.2975	82.3345
5029	7350412.667	5044725.436	83.7370	0.2975	84.0345
5030	7350408.966	5044727.147	82.6770	0.2975	82.9745
5031	7350410.977	5044705.180	83.2570	0.2975	83.5545
5031	7350410.447	5044704.920	84.0670	0.2975	84.3645
5032	7350417.899	5044697.778	83.9670	0.2975	84.2645
5033	7350420.040	5044716.353	83.8170	0.2975	84.1145
5034	7350418.579	5044702.149	83.5070	0.2975	83.8045
5035	7350426.351	5044702.329	79.6870	0.2975	79.9845
5036	7350428.212	5044693.207	79.4570	0.2975	79.7545
5037	7350435.264	5044678.882	79.6570	0.2975	79.9545
5038	7350443.156	5044684.194	79.4670	0.2975	79.7645
5039	7350443.956	5044695.817	79.2870	0.2975	79.5845
5040	7350403.785	5044711.632	83.8370	0.2975	84.1345
5041	7350399.984	5044713.913	82.4570	0.2975	82.7545
5042	7350403.975	5044699.378	83.3370	0.2975	83.6345
5043	7350408.016	5044696.918	83.4070	0.2975	83.7045
5044	7350414.758	5044692.946	83.3470	0.2975	83.6445
5045	7350415.709	5044692.406	83.9370	0.2975	84.2345
5046	7350403.445	5044705.080	83.8470	0.2975	84.1445
5047	7350397.754	5044696.507	83.2970	0.2975	83.5945
5048	7350399.384	5044707.981	82.2370	0.2975	82.5345
5049	7350383.330	5044655.175	84.1560	0.2975	84.4535
5050	7350381.239	5044654.205	84.1560	0.2975	84.4535
5051	7350396.703	5044685.324	83.6960	0.2975	83.9935
5052	7350395.013	5044686.504	83.5360	0.2975	83.8335
5053	7350385.490	5044678.532	82.8560	0.2975	83.1535
5054	7350383.670	5044680.452	82.7060	0.2975	83.0035
5055	7350366.985	5044678.922	83.0960	0.2975	83.3935
5056	7350359.973	5044680.302	81.2660	0.2975	81.5635
5057	7350349.000	5044682.753	78.3560	0.2975	78.6535
5058	7350376.328	5044668.809	82.5860	0.2975	82.8835
5059	7350374.807	5044670.249	82.5860	0.2975	82.8835
5060	7350371.517	5044665.258	82.7660	0.2975	83.0635
5061	7350374.848	5044658.206	83.9660	0.2975	84.2635
1377	7350379.179	5044647.363	84.1160	0.2975	84.4135
1378	7350388.331	5044652.134	84.1660	0.2975	84.4635
1379	7350382.860	5044650.233	83.9860	0.2975	84.2835
1380	7350385.811	5044646.612	83.7560	0.2975	84.0535
1381	7350385.281	5044642.891	82.7860	0.2975	83.0835
1382	7350400.315	5044641.721	83.6060	0.2975	83.9035
1383	7350405.966	5044639.500	83.0560	0.2975	83.3535
1384	7350409.917	5044637.850	83.0760	0.2975	83.3735
1385	7350417.970	5044634.429	82.7770	0.2975	83.0745
1386	7350397.854	5044638.050	82.5360	0.2975	82.8335
1387	7350381.500	5044630.027	80.7160	0.2975	81.0135
1388	7350405.586	5044620.175	81.1260	0.2975	81.4235
1389	7350390.612	5044650.894	84.6560	0.2975	84.9535
1390	7350387.461	5044646.102	84.7160	0.2975	85.0135
1391	7350391.502	5044652.354	84.6560	0.2975	84.9535



1392	7350392.492	5044651.774	84.6960	0.2975	84.9935
1393	7350393.463	5044653.294	84.7060	0.2975	85.0035
1394	7350392.392	5044653.915	85.7160	0.2975	86.0135
1395	7350395.823	5044651.914	84.7060	0.2975	85.0035
1396	7350398.884	5044657.136	84.6860	0.2975	84.9835
1397	7350397.194	5044662.197	84.6760	0.2975	84.9735
1398	7350398.504	5044660.487	84.7160	0.2975	85.0135
1399	7350407.707	5044656.035	84.0960	0.2975	84.3935
1401	7350409.007	5044658.236	84.0070	0.2975	84.3045
1402	7350404.806	5044660.717	84.1560	0.2975	84.4535
1403	7350409.537	5044668.669	84.0470	0.2975	84.3445
1404	7350401.135	5044668.679	84.2760	0.2975	84.5735
1405	7350397.784	5044662.977	84.2460	0.2975	84.5435
1406	7350402.095	5044675.381	84.3970	0.2975	84.6945
1407	7350407.206	5044681.053	84.7070	0.2975	85.0045
1408	7350408.177	5044681.323	84.6870	0.2975	84.9845
1409	7350407.977	5044679.672	84.5570	0.2975	84.8545
1410	7350409.327	5044681.863	84.4970	0.2975	84.7945
1411	7350415.589	5044692.426	84.0070	0.2975	84.3045
1412	7350417.199	5044673.631	83.9370	0.2975	84.2345
1413	7350410.787	5044678.972	84.1670	0.2975	84.4645
1414	7350424.801	5044672.250	83.9470	0.2975	84.2445
1415	7350427.212	5044673.941	83.7470	0.2975	84.0445
1416	7350429.112	5044673.161	83.7470	0.2975	84.0445
1417	7350423.481	5044668.389	83.9970	0.2975	84.2945
1418	7350421.670	5044662.297	83.9270	0.2975	84.2245
1419	7350420.640	5044658.216	83.8370	0.2975	84.1345
1420	7350415.349	5044639.170	83.6460	0.2975	83.9435
1421	7350419.070	5044638.260	83.5270	0.2975	83.8245
1422	7350409.137	5044647.823	83.7260	0.2975	84.0235
1423	7350408.227	5044647.543	84.1060	0.2975	84.4035
1424	7350405.296	5044640.631	84.0960	0.2975	84.3935
1425	7350375.468	5044640.811	83.7360	0.2975	84.0335
1427	7350395.104	5044617.184	78.1560	0.2975	78.4535
1428	7350425.322	5044597.668	78.1160	0.2975	78.4135
1429	7350451.770	5044586.695	78.1470	0.2975	78.4445
1430	7350481.419	5044569.511	78.1770	0.2976	78.4746
1431	7350515.238	5044550.165	78.1270	0.2976	78.4246
1432	7350542.427	5044527.339	78.1370	0.2976	78.4346
1433	7350562.933	5044501.612	78.1280	0.2976	78.4256
1434	7350581.709	5044483.197	78.1380	0.2976	78.4356
1435	7350595.053	5044467.322	78.1580	0.2976	78.4556
1436	7350602.595	5044443.706	78.1580	0.2976	78.4556
2082	7351351.288	5044650.431	84.6470	0.2978	84.9448
2083	7351347.897	5044642.588	84.7270	0.2978	85.0248
2084	7351349.848	5044641.168	84.7470	0.2978	85.0448
2085	7351350.988	5044640.748	84.6370	0.2978	84.9348
2086	7351359.991	5044641.668	84.7070	0.2978	85.0048
2087	7351361.291	5044640.218	84.7470	0.2978	85.0448
2088	7351365.422	5044638.037	84.7970	0.2978	85.0948
2089	7351382.677	5044654.002	84.7570	0.2978	85.0548
2090	7351372.594	5044659.173	84.7570	0.2978	85.0548
2091	7351370.414	5044660.234	84.7570	0.2978	85.0548
2092	7351365.482	5044663.265	84.7170	0.2978	85.0148
2093	7351364.162	5044664.095	84.5370	0.2978	84.8348
2094	7351362.391	5044665.705	84.4170	0.2978	84.7148
2095	7351362.021	5044666.035	84.4470	0.2978	84.7448
2096	7351371.984	5044682.220	84.1070	0.2978	84.4048
2097	7351372.174	5044681.800	84.1870	0.2978	84.4848
2098	7351374.044	5044680.450	84.3870	0.2978	84.6848
2099	7351375.145	5044678.919	84.6770	0.2978	84.9748
2100	7351377.996	5044676.128	84.6770	0.2978	84.9748
2101	7351380.446	5044676.469	84.6870	0.2978	84.9848
2102	7351355.889	5044667.486	81.8370	0.2978	82.1348
2103	7351391.569	5044690.003	84.4980	0.2979	84.7959
2104	7351389.749	5044690.723	84.5580	0.2979	84.8559
2105	7351388.398	5044692.733	84.5280	0.2979	84.8259
2106	7351386.308	5044696.784	84.5280	0.2979	84.8259
2107	7351384.447	5044696.945	84.2270	0.2978	84.5248



2108	7351382.596	5044698.075	84.0170	0.2978	84.3148
2109	7351382.126	5044698.285	83.9970	0.2978	84.2948
2110	7351380.926	5044706.477	81.7070	0.2978	82.0048
2111	7351396.690	5044721.352	84.1380	0.2979	84.4359
2112	7351396.900	5044721.172	84.1980	0.2979	84.4959
2113	7351398.971	5044719.731	84.3780	0.2979	84.6759
2114	7351400.121	5044718.861	84.5080	0.2979	84.8059
2115	7351401.012	5044714.680	84.5580	0.2979	84.8559
2116	7351402.862	5044713.349	84.5580	0.2979	84.8559
2117	7351404.033	5044711.909	84.6480	0.2979	84.9459
2118	7351406.083	5044736.506	84.1080	0.2979	84.4059
2119	7351406.393	5044736.296	84.1580	0.2979	84.4559
2120	7351408.473	5044734.956	84.2880	0.2979	84.5859
2121	7351409.734	5044734.206	84.2380	0.2979	84.5359
2122	7351415.816	5044735.276	84.4580	0.2979	84.7559
2123	7351415.966	5044732.375	84.4080	0.2979	84.7059
2124	7351418.126	5044730.485	84.3380	0.2979	84.6359
2125	7351417.376	5044746.289	84.3780	0.2979	84.6759
2126	7351417.736	5044745.949	84.3980	0.2979	84.6959
2127	7351409.683	5044755.452	81.0680	0.2979	81.3659
2128	7351415.945	5044752.671	84.0980	0.2979	84.3959
2129	7351416.956	5044753.281	84.2280	0.2979	84.5259
2130	7351418.916	5044752.231	84.2580	0.2979	84.5559
2131	7351425.658	5044748.190	84.4680	0.2979	84.7659
2132	7351427.499	5044747.179	84.5280	0.2979	84.8259
2133	7351429.700	5044746.259	84.5380	0.2979	84.8359
2134	7351421.447	5044750.550	84.4280	0.2979	84.7259
2135	7351419.486	5044750.020	84.4480	0.2979	84.7459
2227	7351483.553	5044871.556	84.8790	0.2979	85.1769
2228	7351486.103	5044875.687	84.9490	0.2979	85.2469
2229	7351481.532	5044868.525	89.5890	0.2979	89.8869
2230	7351476.851	5044861.123	85.2190	0.2979	85.5169
2231	7351476.881	5044861.173	86.8990	0.2979	87.1969
2232	7351474.410	5044857.212	85.0890	0.2979	85.3869
2233	7351468.109	5044847.189	84.9690	0.2979	85.2669
2234	7351465.128	5044842.367	84.8290	0.2979	85.1269
2235	7351457.896	5044847.139	84.7190	0.2979	85.0169
2236	7351460.737	5044851.940	84.8890	0.2979	85.1869
2237	7351474.160	5044856.852	88.9790	0.2979	89.2769
2238	7351440.932	5044803.846	84.6090	0.2979	84.9069
2239	7351451.945	5044821.421	84.7490	0.2979	85.0469
2240	7351453.875	5044824.532	84.5790	0.2979	84.8769
2241	7351448.523	5044823.532	91.6590	0.2979	91.9569
2242	7351449.234	5044827.113	90.0390	0.2979	90.3369
2243	7351448.923	5044841.227	85.4690	0.2979	85.7669
4062	7350908.417	5044463.713	85.0890	0.2977	85.3867
4063	7350901.637	5044454.215	85.2770	0.2977	85.5747
4064	7350895.084	5044458.907	85.2390	0.2977	85.5367
4065	7350890.753	5044452.957	85.2450	0.2977	85.5427
4066	7350897.435	5044448.347	85.2430	0.2977	85.5407
4067	7350890.626	5044438.920	85.1420	0.2977	85.4397
4068	7350945.171	5044399.783	85.1390	0.2977	85.4367
4069	7350951.383	5044396.314	85.1330	0.2977	85.4307
4070	7350957.859	5044386.956	85.0660	0.2977	85.3637
4071	7350960.048	5044387.796	85.0850	0.2977	85.3827
4072	7350960.524	5044385.690	85.0920	0.2977	85.3897
4073	7350946.745	5044391.439	85.0950	0.2977	85.3927
4074	7350911.374	5044416.764	85.0500	0.2977	85.3477
4075	7350914.832	5044421.575	85.1090	0.2977	85.4067
4076	7350887.239	5044434.060	85.1680	0.2977	85.4657
4077	7350880.936	5044425.331	85.3130	0.2977	85.6107
4078	7350874.152	5044431.575	85.3400	0.2977	85.6377
4079	7350865.588	5044423.414	85.3780	0.2977	85.6757
4080	7350875.615	5044418.002	85.3130	0.2977	85.6107
4081	7350869.363	5044409.269	85.0980	0.2977	85.3957
4082	7350878.563	5044431.950	85.2630	0.2977	85.5607
4083	7350878.437	5044432.176	85.2820	0.2977	85.5797
4084	7350879.150	5044433.704	85.2880	0.2977	85.5857
4085	7350862.473	5044407.509	85.2110	0.2977	85.5087



4086	7350865.096	5044415.932	85.3500	0.2977	85.6477
4087	7350864.395	5044418.707	85.4240	0.2977	85.7217
4088	7350867.445	5044418.827	85.3130	0.2977	85.6107
4089	7350855.937	5044412.386	85.3640	0.2977	85.6617
4090	7350856.878	5044411.624	85.3020	0.2977	85.5997
4091	7350837.852	5044387.340	85.2460	0.2977	85.5437
4092	7350838.726	5044386.708	85.2390	0.2977	85.5367
4093	7350844.358	5044382.778	85.2060	0.2977	85.5037
4094	7350844.700	5044381.062	85.1270	0.2977	85.4247
4095	7350846.691	5044379.652	85.0680	0.2977	85.3657
4096	7350856.702	5044367.904	85.0580	0.2977	85.3557
4097	7350855.175	5044368.191	85.0670	0.2977	85.3647
4098	7350858.445	5044365.305	85.1220	0.2977	85.4197
4099	7350876.395	5044352.319	85.1220	0.2977	85.4197
4100	7350878.819	5044357.827	85.1340	0.2977	85.4317
4101	7350899.278	5044335.754	85.1650	0.2977	85.4627
4102	7350908.658	5044336.232	85.1500	0.2977	85.4477
4103	7350829.445	5044341.283	85.1840	0.2977	85.4817
4104	7350825.434	5044339.601	85.1320	0.2977	85.4297
4105	7350824.510	5044340.243	85.1420	0.2977	85.4397
4106	7350822.905	5044338.010	85.1430	0.2977	85.4407
4107	7350823.777	5044337.403	85.1470	0.2977	85.4447
4108	7350827.847	5044338.670	85.1450	0.2977	85.4427
4109	7350836.150	5044334.542	85.1280	0.2977	85.4257
4110	7350840.267	5044340.210	85.1220	0.2977	85.4197
4111	7350852.338	5044356.785	85.1230	0.2977	85.4207
4112	7350848.545	5044367.265	85.0600	0.2977	85.3577
4113	7350841.182	5044330.319	85.1260	0.2977	85.4237
4114	7350855.755	5044320.403	85.1260	0.2977	85.4237
4115	7350861.508	5044316.264	85.1820	0.2977	85.4797
4116	7350876.990	5044304.987	85.1200	0.2977	85.4177
4117	7350877.828	5044304.369	85.0900	0.2977	85.3877
4118	7350865.395	5044279.324	84.7340	0.2977	85.0317
4119	7350846.302	5044289.565	84.7970	0.2977	85.0947
4120	7350845.498	5044298.293	85.0700	0.2977	85.3677
4121	7350846.685	5044299.090	84.6870	0.2977	84.9847
4122	7350866.675	5044285.413	85.0560	0.2977	85.3537
4123	7350867.372	5044286.027	84.7880	0.2977	85.0857
4124	7350865.916	5044282.769	85.0350	0.2977	85.3327
4125	7350879.746	5044276.748	85.2170	0.2977	85.5147
4126	7350882.845	5044276.243	84.7300	0.2977	85.0277
4127	7350881.375	5044273.472	85.0040	0.2977	85.3017
4128	7350880.671	5044271.075	84.9360	0.2977	85.2337
4129	7350892.433	5044264.750	85.2300	0.2977	85.5277
4130	7350892.971	5044266.802	85.1340	0.2977	85.4317
4131	7350898.914	5044276.182	84.7760	0.2977	85.0737
4132	7350900.490	5044279.134	84.8230	0.2977	85.1207
4133	7350906.364	5044289.357	84.9720	0.2977	85.2697
4134	7350890.924	5044295.780	84.8310	0.2977	85.1287
4135	7350820.692	5044299.375	85.6780	0.2977	85.9757
4136	7350835.405	5044288.727	85.6050	0.2977	85.9027
4137	7350837.535	5044285.438	85.5450	0.2977	85.8427
4138	7350820.725	5044285.784	85.5840	0.2977	85.8817
4139	7350791.026	5044304.613	85.5930	0.2977	85.8907
4140	7350764.147	5044321.610	85.5730	0.2976	85.8706
4141	7350762.728	5044323.499	85.6200	0.2976	85.9176
4142	7350760.422	5044321.288	82.9740	0.2976	83.2716
4143	7350764.216	5044321.381	83.1820	0.2976	83.4796
4144	7350792.160	5044301.161	82.8990	0.2977	83.1967
4145	7350793.262	5044303.005	83.1340	0.2977	83.4317
4146	7350795.477	5044301.646	84.9190	0.2977	85.2167
4154	7350844.201	5044288.859	84.6320	0.2977	84.9297
4155	7350862.705	5044277.155	84.5900	0.2977	84.8877
4156	7350878.023	5044268.328	84.6420	0.2977	84.9397
4157	7350882.899	5044263.262	84.6470	0.2977	84.9447
4158	7350880.625	5044259.704	83.0220	0.2977	83.3197
4159	7350892.729	5044262.285	85.0810	0.2977	85.3787
4160	7350902.406	5044261.844	85.0690	0.2977	85.3667
4161	7350904.151	5044264.223	84.9330	0.2977	85.2307



4162	7350906.843	5044269.858	84.6710	0.2977	84.9687
4163	7350902.210	5044257.094	85.0590	0.2977	85.3567
4164	7350915.739	5044255.854	85.0230	0.2977	85.3207
4165	7350916.751	5044257.440	84.8710	0.2977	85.1687
4166	7350918.865	5044261.609	84.7030	0.2977	85.0007
4167	7350919.235	5044264.227	86.2610	0.2977	86.5587
4168	7350925.388	5044257.337	85.3710	0.2977	85.6687
4169	7350924.304	5044252.741	85.0650	0.2977	85.3627
4170	7350925.051	5044248.642	84.8230	0.2977	85.1207
4171	7350928.811	5044251.339	85.0900	0.2977	85.3877
4172	7350934.357	5044252.853	85.1260	0.2977	85.4237
4173	7350934.286	5044249.876	84.9820	0.2977	85.2797
4174	7350940.715	5044251.499	85.0870	0.2977	85.3847
4175	7350940.940	5044253.407	86.6580	0.2977	86.9557
4176	7350940.463	5044248.300	84.9680	0.2977	85.2657
4177	7350939.043	5044241.841	84.7770	0.2977	85.0747
4178	7350937.662	5044238.223	83.1730	0.2977	83.4707
4179	7350930.358	5044222.481	80.7790	0.2977	81.0767
4180	7350927.544	5044217.040	79.1540	0.2977	79.4517
4181	7350908.382	5044229.548	79.1260	0.2977	79.4237
4182	7350912.250	5044231.501	80.5860	0.2977	80.8837
4183	7350909.782	5044242.688	82.0690	0.2977	82.3667
4184	7350945.614	5044221.506	81.7200	0.2977	82.0177
4185	7350957.141	5044208.550	81.0700	0.2977	81.3677
4186	7350963.363	5044194.321	79.2350	0.2977	79.5327
4187	7350961.140	5044220.162	82.4260	0.2977	82.7237
4188	7350963.301	5044224.613	84.4410	0.2977	84.7387
4189	7350962.490	5044231.938	84.8050	0.2977	85.1027
4190	7350965.607	5044237.279	84.8090	0.2977	85.1067
4191	7350949.434	5044239.440	84.7880	0.2977	85.0857
4192	7350947.898	5044246.930	84.9020	0.2977	85.1997
4193	7350948.630	5044249.316	85.0060	0.2977	85.3037
4194	7350948.813	5044251.032	86.2810	0.2977	86.5787
4195	7350955.059	5044246.019	84.9610	0.2977	85.2587
4196	7350955.197	5044248.671	84.8970	0.2977	85.1947
4197	7350955.153	5044250.439	86.1180	0.2977	86.4157
4198	7350962.998	5044245.616	85.0320	0.2977	85.3297
4199	7350962.430	5044249.815	84.7440	0.2977	85.0417
4200	7350961.483	5044251.875	85.7340	0.2977	86.0317
4201	7350966.547	5044251.592	84.9150	0.2977	85.2127
4202	7350968.008	5044245.476	85.1050	0.2977	85.4027
4203	7350967.930	5044243.185	84.7660	0.2977	85.0637
4204	7350976.184	5044245.570	85.1180	0.2977	85.4157
4205	7350976.136	5044247.866	85.0030	0.2977	85.3007
4206	7350976.398	5044243.127	84.8210	0.2977	85.1187
4207	7350973.165	5044232.847	85.3440	0.2977	85.6417
4208	7350970.971	5044227.044	84.7380	0.2977	85.0357
4209	7350980.882	5044228.414	85.3420	0.2977	85.6397
4210	7350990.196	5044237.122	85.0640	0.2977	85.3617
4211	7350989.520	5044239.733	85.0070	0.2977	85.3047
4212	7350985.918	5044238.843	84.9300	0.2977	85.2277
4213	7350986.589	5044236.185	84.8760	0.2977	85.1737
4428	7350431.979	5044708.385	80.0950	0.2975	80.3925
4429	7350431.047	5044704.342	79.4880	0.2975	79.7855
4430	7350425.601	5044704.643	80.0650	0.2975	80.3625
4431	7350427.010	5044703.372	79.5510	0.2975	79.8485
4432	7350425.497	5044697.256	79.9180	0.2975	80.2155
4433	7350427.130	5044697.925	79.4480	0.2975	79.7455
4434	7350420.498	5044705.130	83.1630	0.2975	83.4605
4435	7350420.178	5044716.011	83.6790	0.2975	83.9765
4436	7350438.996	5044705.351	80.0400	0.2975	80.3375
4437	7350437.120	5044701.755	79.1580	0.2975	79.4555
4438	7350446.698	5044698.203	79.6030	0.2975	79.9005
4439	7350441.570	5044696.773	79.0380	0.2975	79.3355
4440	7350447.400	5044686.881	79.5250	0.2975	79.8225
4441	7350444.062	5044678.646	79.6070	0.2975	79.9045
4442	7350440.724	5044673.628	79.5980	0.2975	79.8955
4443	7350436.692	5044674.218	79.6370	0.2975	79.9345
4444	7350435.153	5044670.778	80.1040	0.2975	80.4015



4445	7350431.280	5044682.035	80.0720	0.2975	80.3695
4446	7350433.748	5044683.351	79.3270	0.2975	79.6245
4447	7350436.257	5044662.192	80.3820	0.2975	80.6795
4448	7350431.265	5044645.003	80.8460	0.2975	81.1435
4449	7350419.564	5044638.939	83.6410	0.2975	83.9385
4450	7350436.369	5044640.314	80.9860	0.2975	81.2835
4451	7350446.668	5044648.052	80.5760	0.2975	80.8735
4452	7350460.446	5044647.065	81.1030	0.2975	81.4005
4453	7350452.861	5044636.319	80.5240	0.2975	80.8215
4454	7350452.171	5044630.358	83.0630	0.2975	83.3605
4455	7350452.185	5044625.903	82.4030	0.2975	82.7005
4456	7350439.041	5044608.268	82.4790	0.2975	82.7765
4457	7350477.906	5044624.503	81.2620	0.2975	81.5595
4458	7350481.902	5044630.890	80.8580	0.2976	81.1556
4459	7350473.848	5044616.509	83.3060	0.2975	83.6035
4460	7350471.743	5044611.778	82.5120	0.2975	82.8095
4461	7350458.819	5044596.575	82.3500	0.2975	82.6475
4462	7350475.595	5044588.174	82.1920	0.2975	82.4895
4463	7350481.857	5044603.226	82.4230	0.2976	82.7206
4464	7350484.862	5044607.183	83.1770	0.2976	83.4746
4465	7350487.543	5044613.079	80.1290	0.2976	80.4266
4466	7350491.495	5044614.941	80.6200	0.2976	80.9176
4467	7350502.375	5044606.002	80.6150	0.2976	80.9126
4468	7350500.108	5044603.571	79.8210	0.2976	80.1186
4469	7350507.317	5044615.853	80.5440	0.2976	80.8416
4470	7350488.928	5044639.961	80.9490	0.2976	81.2466
4471	7350495.374	5044653.106	80.9710	0.2976	81.2686
4472	7350511.453	5044661.267	81.1530	0.2976	81.4506
4473	7350527.538	5044644.569	80.1890	0.2976	80.4866
4474	7350548.114	5044655.621	80.4690	0.2976	80.7666
4475	7350535.162	5044672.909	80.8470	0.2976	81.1446
4476	7350559.695	5044645.115	80.4370	0.2976	80.7346
4477	7350546.807	5044631.547	80.4920	0.2976	80.7896
4478	7350540.683	5044619.787	80.5490	0.2976	80.8466
4479	7350543.823	5044612.396	80.6360	0.2976	80.9336
4480	7350534.573	5044622.866	79.8650	0.2976	80.1626
4481	7350531.472	5044613.389	80.5910	0.2976	80.8886
4482	7350523.361	5044605.624	80.3650	0.2976	80.6626
4483	7350512.769	5044592.961	80.9510	0.2976	81.2486
4484	7350506.614	5044586.019	83.2580	0.2976	83.5556
4485	7350504.080	5044583.117	82.7440	0.2976	83.0416
4486	7350496.368	5044575.600	82.1690	0.2976	82.4666
4487	7350531.218	5044599.441	80.7050	0.2976	81.0026
4488	7350541.566	5044589.754	80.7940	0.2976	81.0916
4489	7350558.257	5044590.661	80.8170	0.2976	81.1146
4490	7350552.474	5044611.230	81.0930	0.2976	81.3906
4491	7350561.056	5044610.682	80.3180	0.2976	80.6156
4492	7350571.741	5044621.258	80.3080	0.2976	80.6056
4493	7350581.225	5044634.321	80.5640	0.2976	80.8616
4494	7350566.104	5044639.497	80.5880	0.2976	80.8856
4495	7350521.300	5044592.979	80.9780	0.2976	81.2756
4496	7350515.443	5044588.282	81.2810	0.2976	81.5786
4497	7350510.714	5044581.695	83.5060	0.2976	83.8036
4498	7350507.231	5044580.174	82.8420	0.2976	83.1396
4499	7350501.412	5044572.423	82.1580	0.2976	82.4556
4500	7350531.673	5044549.206	81.8050	0.2976	82.1026
4501	7350536.755	5044555.059	82.9500	0.2976	83.2476
4502	7350540.145	5044557.814	80.5430	0.2976	80.8406
4503	7350527.400	5044575.841	79.8910	0.2976	80.1886
4504	7350524.152	5044579.655	81.2560	0.2976	81.5536
4505	7350530.363	5044582.068	81.0270	0.2976	81.3246
4506	7350535.430	5044576.562	80.2190	0.2976	80.5166
4507	7350540.958	5044572.702	80.3400	0.2976	80.6376
4508	7350547.093	5044579.398	80.4740	0.2976	80.7716
4509	7350555.705	5044581.195	80.3940	0.2976	80.6916
4510	7350561.954	5044584.704	81.1610	0.2976	81.4586
4511	7350567.793	5044574.440	82.0560	0.2976	82.3536
4512	7350562.022	5044571.196	80.4770	0.2976	80.7746
4513	7350564.650	5044565.492	80.2860	0.2976	80.5836



4514	7350566.192	5044560.570	79.9550	0.2976	80.2526
4515	7350553.542	5044558.019	79.8300	0.2976	80.1276
4516	7350570.822	5044565.479	81.9980	0.2976	82.2956
4517	7350576.617	5044566.665	81.9650	0.2976	82.2626
4518	7350571.455	5044576.270	82.1290	0.2976	82.4266
4519	7350568.973	5044581.106	81.9180	0.2976	82.2156
4520	7350572.484	5044584.095	80.8210	0.2976	81.1186
4521	7350579.675	5044575.733	81.0740	0.2976	81.3716
4522	7350584.320	5044564.101	81.5610	0.2976	81.8586
4523	7350591.937	5044573.369	80.7330	0.2976	81.0306
4524	7350582.745	5044588.413	80.6360	0.2976	80.9336
4525	7350598.826	5044554.520	81.1420	0.2976	81.4396
4526	7350573.444	5044555.915	82.1640	0.2976	82.4616
4527	7350570.902	5044552.883	81.1650	0.2976	81.4626
4528	7350565.645	5044555.448	80.5890	0.2976	80.8866
4529	7350571.276	5044546.140	81.2050	0.2976	81.5026
4530	7350565.511	5044540.678	80.5550	0.2976	80.8526
4531	7350560.703	5044535.429	82.8380	0.2976	83.1356
4532	7350552.423	5044527.135	81.2040	0.2976	81.5016
4533	7350551.228	5044526.196	79.8800	0.2976	80.1776
4534	7350619.211	5044532.427	80.8420	0.2976	81.1396
4535	7350598.537	5044538.656	80.9080	0.2976	81.2056
4536	7350598.770	5044517.800	81.4340	0.2976	81.7316
4537	7350592.293	5044511.196	83.7690	0.2976	84.0666
4538	7350590.185	5044508.798	83.6910	0.2976	83.9886
4539	7350587.284	5044505.337	82.9130	0.2976	83.2106
4540	7350578.930	5044497.428	82.5090	0.2976	82.8066
4541	7350576.307	5044524.030	83.6960	0.2976	83.9936
4542	7350572.757	5044522.092	83.0490	0.2976	83.3466
4543	7350584.688	5044541.154	81.2180	0.2976	81.5156
4544	7350602.706	5044558.526	80.8450	0.2976	81.1426
4545	7350600.936	5044568.733	80.5680	0.2976	80.8656
4546	7350629.611	5044510.989	80.5810	0.2976	80.8786
4547	7350618.360	5044504.550	81.5210	0.2976	81.8186
4548	7350616.642	5044502.123	81.6480	0.2976	81.9456
4549	7350608.006	5044495.315	84.0720	0.2976	84.3696
4550	7350606.606	5044493.413	84.0460	0.2976	84.3436
4551	7350604.141	5044491.093	83.1160	0.2976	83.4136
4552	7350599.674	5044474.732	82.3700	0.2976	82.6676
4553	7350601.442	5044504.057	82.2210	0.2976	82.5186
4554	7350628.540	5044492.813	81.0590	0.2976	81.3566
4555	7350616.922	5044482.956	84.0570	0.2976	84.3546
4556	7350614.526	5044480.555	83.1040	0.2976	83.4016
4557	7350603.848	5044470.356	82.0580	0.2976	82.3556
4558	7350631.199	5044463.285	83.4670	0.2976	83.7646
4559	7350629.068	5044455.467	82.0700	0.2976	82.3676
4560	7350639.055	5044452.580	83.2550	0.2976	83.5526
4561	7350642.925	5044443.281	85.6350	0.2976	85.9326
4562	7350643.984	5044453.976	83.3130	0.2976	83.6106
4563	7350635.765	5044462.237	82.7910	0.2976	83.0886
4564	7350640.223	5044472.005	80.7980	0.2976	81.0956
4565	7350635.520	5044477.061	80.3340	0.2976	80.6316
4566	7350637.991	5044483.595	81.3260	0.2976	81.6236
4567	7350651.811	5044483.328	79.8930	0.2976	80.1906
4568	7350654.148	5044479.944	81.5280	0.2976	81.8256
4569	7350662.808	5044484.531	80.6540	0.2976	80.9516
4570	7350662.872	5044479.905	80.6090	0.2976	80.9066
4571	7350660.984	5044475.795	82.1070	0.2976	82.4046
4572	7350654.161	5044468.516	82.2830	0.2976	82.5806
4573	7350673.629	5044477.730	81.3510	0.2976	81.6486
4574	7350645.885	5044498.622	80.3670	0.2976	80.6646

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GriderWeb Korisnik: Geosystem doo  
Transformacija visina

DATUM FR-NVT2 u DATUM TRST

Naziv tacke	y [m]	x [m]	H1 [m]	dH [m]	H2 [m]
SP1	7350661.838	5044857.035	87.6510	0.2976	87.9486
SP1	7350661.847	5044857.043	87.6620	0.2976	87.9596
SP1	7350661.846	5044857.032	87.6620	0.2976	87.9596
SP2	7350550.996	5044937.353	87.4600	0.2976	87.7576
SP2	7350551.003	5044937.358	87.4790	0.2976	87.7766
SP2	7350550.998	5044937.362	87.5050	0.2976	87.8026
SP3	7350789.668	5044755.904	87.8050	0.2977	88.1027
SP3	7350789.678	5044755.900	87.7880	0.2977	88.0857
SP3	7350789.681	5044755.893	87.7990	0.2977	88.0967
170	7350798.795	5044779.392	84.3770	0.2977	84.6747
171	7350812.899	5044794.209	81.9390	0.2977	82.2367
172	7350825.591	5044784.572	81.8530	0.2977	82.1507
173	7350816.590	5044773.578	83.5990	0.2977	83.8967
174	7350808.458	5044761.243	85.8460	0.2977	86.1437
175	7350805.955	5044757.704	87.3350	0.2977	87.6327
176	7350804.230	5044754.899	87.5480	0.2977	87.8457
177	7350800.681	5044750.013	87.6970	0.2977	87.9947
178	7350799.861	5044748.728	87.6190	0.2977	87.9167
179	7350800.404	5044742.402	85.9270	0.2977	86.2247
180	7350793.877	5044734.265	82.6520	0.2977	82.9497
181	7350791.198	5044729.586	82.0040	0.2977	82.3017
182	7350789.527	5044727.261	80.7160	0.2977	81.0137
183	7350766.666	5044757.879	83.6000	0.2976	83.8976
184	7350760.112	5044750.998	81.4810	0.2976	81.7786
185	7350759.169	5044749.230	80.8460	0.2976	81.1436
186	7350749.312	5044770.454	83.6310	0.2976	83.9286
187	7350742.401	5044762.897	81.7000	0.2976	81.9976
188	7350744.077	5044756.508	80.5170	0.2976	80.8146
189	7350726.887	5044780.725	82.2490	0.2976	82.5466
190	7350722.549	5044776.078	81.4480	0.2976	81.7456
191	7350721.824	5044775.287	81.0300	0.2976	81.3276
192	7350707.611	5044794.759	82.3600	0.2976	82.6576
193	7350705.699	5044792.158	81.9140	0.2976	82.2116
194	7350704.215	5044789.318	81.8200	0.2976	82.1176
195	7350703.367	5044788.304	81.3110	0.2976	81.6086
196	7350690.460	5044806.274	82.1350	0.2976	82.4326
197	7350686.425	5044802.232	81.5860	0.2976	81.8836
198	7350685.901	5044801.253	81.0940	0.2976	81.3916
199	7350693.873	5044814.126	85.0200	0.2976	85.3176
200	7350673.537	5044828.549	85.2260	0.2976	85.5236
201	7350667.408	5044821.584	82.0880	0.2976	82.3856
202	7350668.957	5044811.856	81.3710	0.2976	81.6686
203	7350646.765	5044837.104	82.2310	0.2976	82.5286
204	7350643.173	5044832.843	81.5800	0.2976	81.8776
205	7350641.862	5044830.756	80.8130	0.2976	81.1106
206	7350632.283	5044847.491	82.3470	0.2976	82.6446
207	7350630.802	5044840.262	81.5150	0.2976	81.8126
208	7350630.281	5044838.506	80.6990	0.2976	80.9966
209	7350618.776	5044858.484	82.4610	0.2976	82.7586
210	7350609.786	5044865.105	82.4830	0.2976	82.7806
211	7350604.633	5044860.617	81.5140	0.2976	81.8116
212	7350603.071	5044858.874	80.4440	0.2976	80.7416
213	7350600.617	5044872.257	82.7760	0.2976	83.0736
214	7350595.451	5044867.386	81.5130	0.2976	81.8106
215	7350594.157	5044865.594	80.4820	0.2976	80.7796
216	7350586.155	5044880.839	82.3960	0.2976	82.6936



217	7350583.238	5044877.258	81.7260	0.2976	82.0236
218	7350583.271	5044872.854	80.4890	0.2976	80.7866
219	7350570.207	5044892.951	82.5110	0.2976	82.8086
220	7350567.140	5044890.290	81.8750	0.2976	82.1726
221	7350560.909	5044887.135	80.3300	0.2976	80.6276
222	7350548.573	5044909.017	82.8800	0.2976	83.1776
223	7350545.760	5044905.449	82.5680	0.2976	82.8656
224	7350545.115	5044900.746	80.9470	0.2976	81.2446
225	7350541.230	5044898.114	80.7850	0.2976	81.0826
226	7350536.147	5044900.786	81.4780	0.2976	81.7756
227	7350539.896	5044908.336	83.0930	0.2976	83.3906
228	7350537.218	5044905.580	82.0900	0.2976	82.3876
229	7350534.491	5044913.154	84.7760	0.2976	85.0736
230	7350531.611	5044906.948	84.6190	0.2976	84.9166
231	7350528.939	5044908.286	84.7490	0.2976	85.0466
232	7350526.616	5044909.244	84.7380	0.2976	85.0356
233	7350524.095	5044899.263	84.5820	0.2976	84.8796
234	7350521.856	5044900.473	84.6180	0.2976	84.9156
235	7350517.937	5044890.875	84.4390	0.2976	84.7366
236	7350519.951	5044889.737	84.5000	0.2976	84.7976
237	7350522.283	5044888.945	84.2270	0.2976	84.5246
238	7350514.275	5044879.318	84.4400	0.2976	84.7376
239	7350512.410	5044880.378	84.4760	0.2976	84.7736
240	7350506.884	5044865.274	84.4090	0.2976	84.7066
241	7350504.493	5044866.145	84.3730	0.2976	84.6706
242	7350509.417	5044864.828	84.1780	0.2976	84.4756
243	7350502.780	5044857.407	84.3080	0.2976	84.6056
244	7350500.708	5044858.329	84.3530	0.2976	84.6506
245	7350494.215	5044841.482	84.4410	0.2976	84.7386
246	7350496.518	5044840.405	84.3300	0.2976	84.6276
247	7350492.271	5044842.247	84.5070	0.2976	84.8046
248	7350484.852	5044824.969	84.4630	0.2975	84.7605
249	7350482.650	5044825.902	84.3510	0.2975	84.6485
250	7350487.379	5044824.227	84.1930	0.2975	84.4905
251	7350472.222	5044803.499	84.1680	0.2975	84.4655
252	7350469.631	5044803.917	84.3620	0.2975	84.6595
253	7350474.150	5044801.863	84.1800	0.2975	84.4775
254	7350463.956	5044792.217	84.0610	0.2975	84.3585
255	7350462.070	5044793.426	84.2190	0.2975	84.5165
256	7350466.398	5044790.775	84.1800	0.2975	84.4775
257	7350533.148	5044913.725	84.8770	0.2976	85.1746
258	7350531.558	5044915.697	84.9120	0.2976	85.2096
259	7350529.332	5044917.661	85.0020	0.2976	85.2996
260	7350536.109	5044926.078	85.6560	0.2976	85.9536
261	7350538.475	5044923.388	85.5170	0.2976	85.8146
262	7350540.449	5044921.575	85.6500	0.2976	85.9476
263	7350541.808	5044920.324	85.6660	0.2976	85.9636
264	7350547.361	5044916.225	83.8000	0.2976	84.0976
265	7350546.974	5044924.698	86.4260	0.2976	86.7236
266	7350545.982	5044926.418	86.1420	0.2976	86.4396
267	7350544.254	5044928.442	86.1510	0.2976	86.4486
268	7350551.070	5044934.760	87.0970	0.2976	87.3946
269	7350552.684	5044933.144	87.2010	0.2976	87.4986
270	7350550.508	5044938.163	87.4500	0.2976	87.7476
271	7350554.094	5044924.737	86.8640	0.2976	87.1616
272	7350557.330	5044938.292	87.3830	0.2976	87.6806
273	7350556.005	5044940.550	87.3070	0.2976	87.6046
274	7350561.952	5044955.158	87.7380	0.2976	88.0356
275	7350572.800	5044954.854	87.7210	0.2976	88.0186
276	7350575.801	5044937.986	87.5620	0.2976	87.8596
277	7350578.188	5044924.282	87.5700	0.2976	87.8676
278	7350570.499	5044915.028	87.6050	0.2976	87.9026
279	7350572.990	5044905.719	87.5470	0.2976	87.8446
280	7350580.528	5044913.607	87.4880	0.2976	87.7856
281	7350591.688	5044902.087	87.4900	0.2976	87.7876
282	7350597.062	5044888.200	87.3970	0.2976	87.6946
283	7350604.324	5044885.750	87.3470	0.2976	87.6446
284	7350602.687	5044882.168	85.9150	0.2976	86.2126
285	7350594.954	5044885.287	85.3330	0.2976	85.6306



286	7350583.184	5044894.100	85.3860	0.2976	85.6836
287	7350568.828	5044903.637	85.1490	0.2976	85.4466
288	7350823.917	5044733.959	87.6620	0.2977	87.9597
289	7350823.083	5044731.978	87.5380	0.2977	87.8357
290	7350814.432	5044719.475	82.3840	0.2977	82.6817
291	7350811.688	5044716.581	81.9160	0.2977	82.2137
292	7350804.372	5044717.189	80.7260	0.2977	81.0237
293	7350828.369	5044700.753	80.5640	0.2977	80.8617
294	7350830.736	5044703.116	81.9380	0.2977	82.2357
295	7350833.332	5044706.126	82.3550	0.2977	82.6527
296	7350855.683	5044689.482	82.3370	0.2977	82.6347
297	7350853.977	5044687.330	81.9490	0.2977	82.2467
298	7350852.156	5044685.742	81.2000	0.2977	81.4977
299	7350872.908	5044670.298	80.9070	0.2977	81.2047
300	7350874.557	5044672.695	82.0610	0.2977	82.3587
301	7350876.119	5044674.879	82.4560	0.2977	82.7537
302	7350898.579	5044660.822	82.6980	0.2977	82.9957
303	7350893.985	5044659.446	82.1890	0.2977	82.4867
304	7350892.020	5044657.768	80.9590	0.2977	81.2567
305	7350907.519	5044670.617	87.3870	0.2977	87.6847
306	7350908.984	5044674.109	87.7090	0.2977	88.0067
307	7350912.178	5044679.235	87.5620	0.2977	87.8597
308	7350914.190	5044682.293	87.2510	0.2977	87.5487
309	7350896.568	5044679.479	87.6150	0.2977	87.9127
310	7350886.533	5044688.188	87.7570	0.2977	88.0547
311	7350887.054	5044689.374	87.7180	0.2977	88.0157
312	7350890.500	5044694.196	87.6530	0.2977	87.9507
313	7350892.755	5044697.180	87.2240	0.2977	87.5217
314	7350878.044	5044693.699	87.7700	0.2977	88.0677
315	7350866.143	5044702.447	87.5600	0.2977	87.8577
316	7350866.861	5044703.432	87.6230	0.2977	87.9207
317	7350870.299	5044708.464	87.5730	0.2977	87.8707
318	7350872.467	5044711.324	87.3040	0.2977	87.6017
319	7350843.849	5044717.804	87.5330	0.2977	87.8307
320	7350844.709	5044719.096	87.6210	0.2977	87.9187
321	7350847.804	5044724.276	87.5460	0.2977	87.8437
322	7350849.711	5044727.075	87.2360	0.2977	87.5337
323	7350827.505	5044738.480	87.5440	0.2977	87.8417
324	7350828.379	5044739.651	87.5870	0.2977	87.8847
325	7350829.651	5044741.189	87.2570	0.2977	87.5547
326	7350832.137	5044744.725	85.8330	0.2977	86.1307
327	7350837.138	5044751.749	84.4050	0.2977	84.7027
328	7350847.736	5044766.511	81.8550	0.2977	82.1527
329	7350868.368	5044752.040	81.8020	0.2977	82.0997
330	7350861.102	5044739.996	83.7620	0.2977	84.0597
331	7350853.514	5044730.104	85.8470	0.2977	86.1447
332	7350875.331	5044715.267	85.6780	0.2977	85.9757
333	7350883.088	5044724.690	83.7200	0.2977	84.0177
334	7350891.408	5044735.835	81.9680	0.2977	82.2657
335	7350910.120	5044723.985	81.9380	0.2977	82.2357
336	7350903.260	5044711.165	83.6030	0.2977	83.9007
337	7350895.960	5044700.525	85.6420	0.2977	85.9397
338	7350918.548	5044684.737	85.6240	0.2977	85.9217
339	7350926.187	5044695.774	83.4010	0.2977	83.6987
340	7350935.675	5044708.156	81.8430	0.2977	82.1407
341	7350957.486	5044694.468	81.5160	0.2977	81.8137
342	7350949.582	5044681.463	83.0710	0.2977	83.3687
343	7350941.667	5044670.353	85.2230	0.2977	85.5207
344	7350937.629	5044665.181	87.0460	0.2977	87.3437
345	7350935.797	5044662.716	87.5580	0.2977	87.8557
346	7350932.371	5044667.185	87.5770	0.2977	87.8747
347	7350931.755	5044658.303	87.8150	0.2977	88.1127
348	7350930.964	5044656.833	87.8090	0.2977	88.1067
349	7350929.468	5044654.991	87.8020	0.2977	88.0997
350	7350943.022	5044646.534	87.8090	0.2977	88.1067
351	7350949.597	5044639.254	87.7370	0.2977	88.0347
352	7350950.761	5044640.811	87.7260	0.2977	88.0237
353	7350952.548	5044643.198	87.8630	0.2977	88.1607
354	7350956.152	5044647.977	87.6430	0.2977	87.9407



355	7350957.272	5044650.314	87.2990	0.2977	87.5967
356	7350959.948	5044654.314	85.8490	0.2977	86.1467
357	7350964.993	5044662.122	84.0460	0.2977	84.3437
358	7350975.715	5044677.009	81.9420	0.2977	82.2397
359	7350994.689	5044661.403	82.0830	0.2977	82.3807
360	7350985.540	5044649.221	83.7330	0.2977	84.0307
361	7350979.064	5044641.087	85.6920	0.2977	85.9897
362	7350976.053	5044637.336	87.3520	0.2977	87.6497
363	7350974.771	5044635.331	87.6460	0.2977	87.9437
364	7350971.240	5044630.444	87.7760	0.2977	88.0737
365	7350969.312	5044627.954	87.7730	0.2977	88.0707
366	7350967.984	5044626.201	87.6460	0.2977	87.9437
367	7350973.115	5044625.059	87.6710	0.2977	87.9687
368	7350971.969	5044623.611	87.5900	0.2977	87.8877
369	7350979.796	5044619.495	87.6740	0.2977	87.9717
370	7350978.482	5044617.908	87.6310	0.2977	87.9287
371	7350980.365	5044615.133	87.5680	0.2977	87.8657
372	7350982.439	5044616.072	87.6030	0.2977	87.9007
373	7350984.429	5044612.338	87.5570	0.2977	87.8547
374	7350982.535	5044611.382	87.5760	0.2977	87.8737
375	7350982.451	5044606.929	87.4170	0.2977	87.7147
376	7350985.428	5044607.360	87.5020	0.2977	87.7997
377	7350985.246	5044602.991	87.4660	0.2977	87.7637
378	7350982.119	5044603.077	87.3500	0.2977	87.6477
379	7350980.530	5044598.466	87.1940	0.2977	87.4917
380	7350983.539	5044597.330	87.3660	0.2977	87.6637
381	7350981.237	5044593.225	87.2510	0.2977	87.5487
382	7350978.531	5044594.602	87.0000	0.2977	87.2977
383	7350974.831	5044589.028	86.9550	0.2977	87.2527
384	7350976.196	5044585.928	86.9860	0.2977	87.2837
385	7350981.566	5044581.308	86.8560	0.2977	87.1537
386	7350983.168	5044580.010	86.7670	0.2977	87.0647
387	7350986.562	5044584.512	86.8000	0.2977	87.0977
388	7350984.895	5044585.763	86.9680	0.2977	87.2657
389	7350985.593	5044586.793	86.9780	0.2977	87.2757
390	7350986.512	5044586.712	87.1350	0.2977	87.4327
391	7350988.318	5044587.754	87.1160	0.2977	87.4137
392	7350988.229	5044590.345	87.1040	0.2977	87.4017
393	7350989.734	5044589.165	87.1470	0.2977	87.4447
394	7350991.169	5044593.708	87.2220	0.2977	87.5197
395	7350992.452	5044592.335	87.3170	0.2977	87.6147
396	7350994.330	5044596.387	87.3300	0.2977	87.6277
397	7350995.645	5044594.780	87.3930	0.2977	87.6907
398	7350997.622	5044598.196	87.4080	0.2977	87.7057
399	7350998.559	5044596.241	87.4320	0.2977	87.7297
400	7351001.004	5044596.882	87.5380	0.2977	87.8357
401	7351000.358	5044599.299	87.4330	0.2977	87.7307
402	7351005.484	5044600.137	87.5480	0.2977	87.8457
403	7351004.773	5044597.569	87.5190	0.2977	87.8167
404	7351010.402	5044599.787	87.6230	0.2977	87.9207
405	7351008.362	5044596.852	87.5440	0.2977	87.8417
406	7351011.869	5044595.534	87.3380	0.2977	87.6357
407	7351014.630	5044598.473	87.6740	0.2977	87.9717
408	7351019.696	5044596.255	87.7310	0.2977	88.0287
409	7351017.663	5044592.487	87.3620	0.2977	87.6597
410	7351022.790	5044601.577	87.6540	0.2977	87.9517
411	7351021.348	5044606.661	87.2130	0.2977	87.5107
412	7351024.652	5044610.506	85.3410	0.2977	85.6387
413	7351031.415	5044619.580	83.5920	0.2977	83.8897
414	7351043.047	5044635.726	81.6430	0.2977	81.9407
415	7351016.625	5044648.128	82.0800	0.2977	82.3777
416	7351010.997	5044635.986	83.2340	0.2977	83.5317
417	7351003.993	5044624.268	85.3520	0.2977	85.6497
418	7351001.196	5044619.835	87.1940	0.2977	87.4917
419	7350999.805	5044618.009	87.5410	0.2977	87.8387
420	7350960.474	5044598.778	80.9260	0.2977	81.2237
421	7350958.477	5044601.425	80.9110	0.2977	81.2087
422	7350955.926	5044608.957	81.1200	0.2977	81.4177
423	7350966.601	5044608.522	83.1280	0.2977	83.4257



424	7350966.571	5044560.922	86.4090	0.2977	86.7067
425	7350967.687	5044558.677	86.1630	0.2977	86.4607
426	7350965.949	5044559.737	86.4000	0.2977	86.6977
427	7350960.429	5044564.266	86.5570	0.2977	86.8547
428	7350958.540	5044565.817	86.4500	0.2977	86.7477
429	7350947.363	5044551.522	86.0910	0.2977	86.3887
430	7350947.585	5044549.037	86.3030	0.2977	86.6007
431	7350955.180	5044543.454	86.2050	0.2977	86.5027
432	7350957.438	5044544.892	85.9710	0.2977	86.2687
433	7350954.574	5044541.124	86.0150	0.2977	86.3127
434	7350953.495	5044541.976	86.0640	0.2977	86.3617
435	7350953.054	5044542.392	85.9670	0.2977	86.2647
436	7350947.155	5044546.394	86.1310	0.2977	86.4287
437	7350946.725	5044546.729	86.1760	0.2977	86.4737
438	7350944.866	5044547.958	86.0300	0.2977	86.3277
439	7350949.424	5044536.021	85.9530	0.2977	86.2507
440	7350947.458	5044534.739	85.8080	0.2977	86.1057
441	7350948.243	5044532.759	85.6960	0.2977	85.9937
442	7350946.604	5044533.654	85.8020	0.2977	86.0997
443	7350943.925	5044541.932	85.9940	0.2977	86.2917
444	7350941.598	5044543.602	86.0520	0.2977	86.3497
445	7350939.687	5044541.120	85.9590	0.2977	86.2567
446	7350942.028	5044539.377	85.9330	0.2977	86.2307
447	7350929.003	5044526.942	85.6670	0.2977	85.9647
448	7350931.479	5044525.050	85.8490	0.2977	86.1467
449	7350937.100	5044520.825	85.7300	0.2977	86.0277
450	7350938.811	5044519.486	85.6470	0.2977	85.9447
451	7350928.158	5044508.615	85.5730	0.2977	85.8707
452	7350929.089	5044506.541	85.2840	0.2977	85.5817
453	7350927.369	5044507.601	85.5540	0.2977	85.8517
454	7350918.304	5044495.310	85.3820	0.2977	85.6797
455	7350919.242	5044493.235	85.2610	0.2977	85.5587
456	7350917.602	5044494.238	85.4550	0.2977	85.7527
457	7350912.717	5044486.455	85.5210	0.2977	85.8187
458	7350911.394	5044485.911	85.4230	0.2977	85.7207
459	7350911.507	5044484.634	85.4200	0.2977	85.7177
460	7350912.220	5044483.186	85.3310	0.2977	85.6287
461	7350913.487	5044484.553	85.3820	0.2977	85.6797
462	7350926.531	5044473.194	84.9300	0.2977	85.2277
463	7350922.617	5044463.502	85.1220	0.2977	85.4197
464	7350906.235	5044475.016	85.2930	0.2977	85.5907
465	7350926.332	5044481.987	82.0870	0.2977	82.3847
466	7350932.882	5044476.572	81.8150	0.2977	82.1127
467	7350937.630	5044496.207	81.7710	0.2977	82.0687
468	7350946.269	5044495.490	81.6240	0.2977	81.9217
469	7350960.094	5044528.264	82.1470	0.2977	82.4447
470	7350988.615	5044570.486	83.0370	0.2977	83.3347
471	7350997.472	5044565.985	82.3680	0.2977	82.6657
472	7350998.472	5044567.426	82.3730	0.2977	82.6707
473	7351000.104	5044566.431	82.2940	0.2977	82.5917
474	7350996.714	5044574.710	82.3180	0.2977	82.6157
475	7351003.448	5044579.153	82.3850	0.2977	82.6827
476	7350989.949	5044551.772	82.1200	0.2977	82.4177
477	7350982.597	5044554.789	82.1970	0.2977	82.4947
478	7350977.765	5044526.011	82.2170	0.2977	82.5147
479	7350967.890	5044533.715	81.8570	0.2977	82.1547
480	7350968.220	5044524.152	81.8500	0.2977	82.1477
481	7350969.837	5044522.964	81.9890	0.2977	82.2867
482	7350968.783	5044521.381	81.8460	0.2977	82.1437
483	7350921.900	5044512.057	85.6870	0.2977	85.9847
484	7350918.586	5044513.072	85.5620	0.2977	85.8597
485	7350918.689	5044508.455	85.5810	0.2977	85.8787
486	7350914.145	5044504.281	85.5290	0.2977	85.8267
487	7350908.507	5044499.965	85.5700	0.2977	85.8677
488	7350907.244	5044501.031	85.6560	0.2977	85.9537
489	7350907.554	5044502.721	85.5650	0.2977	85.8627
490	7350903.879	5044496.949	85.6940	0.2977	85.9917
491	7350903.443	5044499.719	85.6980	0.2977	85.9957
492	7350883.720	5044484.024	85.4910	0.2977	85.7887



493	7350879.278	5044480.885	85.4980	0.2977	85.7957
494	7350875.916	5044478.239	85.5360	0.2977	85.8337
495	7350874.181	5044479.184	85.3410	0.2977	85.6387
496	7350874.966	5044477.403	85.4670	0.2977	85.7647
497	7350872.819	5044478.283	85.4140	0.2977	85.7117
498	7350873.025	5044475.153	85.5250	0.2977	85.8227
499	7350870.220	5044471.791	85.5320	0.2977	85.8297
500	7350864.461	5044463.896	85.5230	0.2977	85.8207
501	7350863.826	5044464.278	85.6750	0.2977	85.9727
502	7350854.908	5044460.572	85.2970	0.2977	85.5947
503	7350850.832	5044454.439	85.4070	0.2977	85.7047
504	7350850.137	5044453.649	85.3560	0.2977	85.6537
505	7350851.735	5044454.333	85.3670	0.2977	85.6647
506	7350850.502	5044455.329	85.3140	0.2977	85.6117
507	7350851.737	5044447.806	85.6250	0.2977	85.9227
508	7350851.638	5044446.055	85.4770	0.2977	85.7747
509	7350851.018	5044446.658	85.6720	0.2977	85.9697
510	7350850.868	5044446.657	85.6770	0.2977	85.9747
511	7350848.229	5044441.807	85.4470	0.2977	85.7447
512	7350847.152	5044440.776	85.4110	0.2977	85.7087
513	7350843.738	5044443.590	85.4590	0.2977	85.7567
SP4	7350856.025	5044412.242	85.4330	0.2977	85.7307
SP4	7350856.032	5044412.212	85.4180	0.2977	85.7157
SP4	7350856.025	5044412.225	85.4300	0.2977	85.7277
SP5	7350818.160	5044440.181	85.3390	0.2977	85.6367
SP5	7350818.164	5044440.191	85.3560	0.2977	85.6537
SP5	7350818.166	5044440.171	85.3440	0.2977	85.6417
SP6	7350718.269	5044486.507	85.4970	0.2976	85.7946
SP6	7350718.259	5044486.504	85.4890	0.2976	85.7866
SP6	7350718.262	5044486.494	85.4930	0.2976	85.7906
SP7	7350772.384	5044324.206	85.6800	0.2976	85.9776
SP7	7350772.387	5044324.206	85.6760	0.2976	85.9736
SP7	7350772.395	5044324.209	85.6690	0.2976	85.9666
SP9	7350808.211	5044488.509	82.8720	0.2977	83.1697
SP9	7350808.203	5044488.517	82.8780	0.2977	83.1757
SP9	7350808.204	5044488.530	82.8800	0.2977	83.1777
SP10	7350803.579	5044378.905	85.5220	0.2977	85.8197
SP10	7350803.582	5044378.910	85.5230	0.2977	85.8207
SP10	7350803.588	5044378.909	85.5150	0.2977	85.8127
SP11	7350740.834	5044378.971	85.7190	0.2976	86.0166
SP11	7350740.832	5044378.969	85.7160	0.2976	86.0136
SP11	7350740.839	5044378.963	85.7220	0.2976	86.0196
SP12A	7350821.390	5044535.954	83.9210	0.2977	84.2187
SP12A	7350821.397	5044535.952	83.9230	0.2977	84.2207
SP12A	7350821.392	5044535.950	83.9190	0.2977	84.2167
1279	7350855.998	5044412.411	85.4500	0.2977	85.7477
1280	7350859.058	5044409.921	85.3350	0.2977	85.6327
1281	7350750.536	5044513.847	82.3730	0.2976	82.6706
1282	7350764.665	5044500.524	83.9920	0.2976	84.2896
1283	7350763.501	5044497.760	84.3450	0.2976	84.6426
1284	7350761.431	5044495.960	84.3550	0.2976	84.6526
1285	7350759.848	5044494.071	85.5660	0.2976	85.8636
1286	7350773.302	5044492.417	83.0990	0.2976	83.3966
1287	7350779.496	5044484.372	84.2610	0.2976	84.5586
1288	7350770.532	5044515.477	83.5640	0.2976	83.8616
1289	7350746.484	5044529.904	80.3600	0.2976	80.6576
1290	7350749.822	5044528.107	82.2660	0.2976	82.5636
1291	7350700.221	5044509.868	80.8800	0.2976	81.1776
1292	7350680.368	5044519.714	80.9230	0.2976	81.2206
1293	7350670.429	5044530.579	81.0130	0.2976	81.3106
1294	7350674.673	5044545.020	80.6850	0.2976	80.9826
1295	7350654.573	5044556.121	80.7450	0.2976	81.0426
1296	7350639.492	5044562.861	80.6540	0.2976	80.9516
1297	7350634.681	5044539.603	80.6410	0.2976	80.9386
1298	7350628.188	5044517.587	80.7520	0.2976	81.0496
1299	7350609.001	5044550.952	80.6920	0.2976	80.9896
1300	7350594.899	5044531.198	81.2480	0.2976	81.5456
1301	7350574.363	5044548.989	81.3250	0.2976	81.6226
SP12	7350512.919	5044877.895	84.2950	0.2976	84.5926



SP12	7350512.931	5044877.907	84.3160	0.2976	84.6136
SP12	7350512.922	5044877.900	84.3190	0.2976	84.6166
1302	7350551.603	5044889.161	80.1840	0.2976	80.4816
1303	7350559.429	5044874.461	80.4840	0.2976	80.7816
1304	7350570.249	5044863.775	80.2580	0.2976	80.5556
1305	7350566.114	5044852.718	80.1440	0.2976	80.4416
1306	7350587.249	5044844.851	79.8870	0.2976	80.1846
1307	7350615.221	5044826.550	80.7440	0.2976	81.0416
1308	7350604.369	5044812.968	80.6160	0.2976	80.9136
1309	7350593.810	5044789.155	80.5770	0.2976	80.8746
1310	7350584.377	5044787.066	81.1080	0.2976	81.4056
1311	7350564.946	5044798.810	80.5020	0.2976	80.7996
1312	7350553.559	5044806.850	80.4000	0.2976	80.6976
1313	7350540.241	5044789.064	80.4510	0.2976	80.7486
1314	7350527.572	5044816.208	80.6560	0.2976	80.9536
1315	7350572.922	5044770.960	80.6110	0.2976	80.9086
1316	7350567.860	5044759.994	80.5050	0.2976	80.8026
1317	7350553.503	5044736.884	80.8390	0.2976	81.1366
1318	7350575.837	5044715.026	80.4980	0.2976	80.7956
1319	7350570.381	5044706.007	81.1010	0.2976	81.3986
1320	7350568.836	5044686.704	80.9930	0.2976	81.2906
1321	7350579.126	5044669.913	80.6460	0.2976	80.9436
1322	7350598.972	5044685.855	80.8010	0.2976	81.0986
1323	7350615.239	5044692.511	80.8360	0.2976	81.1336
1324	7350613.251	5044709.643	80.5460	0.2976	80.8436
1325	7350621.624	5044723.845	80.5260	0.2976	80.8236
1326	7350623.849	5044726.063	80.0320	0.2976	80.3296
1327	7350628.175	5044726.949	80.5990	0.2976	80.8966
1328	7350646.190	5044704.610	80.4810	0.2976	80.7786
1329	7350659.150	5044725.367	80.6230	0.2976	80.9206
1330	7350671.400	5044734.937	80.7910	0.2976	81.0886
1331	7350687.241	5044745.190	80.6970	0.2976	80.9946
1332	7350668.734	5044752.639	80.9800	0.2976	81.2776
1333	7350654.155	5044769.782	80.8530	0.2976	81.1506
1334	7350684.708	5044767.954	80.1890	0.2976	80.4866
1335	7350695.291	5044738.857	80.6280	0.2976	80.9256
SP13	7350491.581	5044837.621	84.2710	0.2976	84.5686
SP13	7350491.578	5044837.623	84.2690	0.2976	84.5666
SP13	7350491.575	5044837.616	84.2650	0.2976	84.5626
SP14	7350463.354	5044791.838	84.0810	0.2975	84.3785
SP14	7350463.350	5044791.832	84.0750	0.2975	84.3725
SP14	7350463.349	5044791.838	84.0780	0.2975	84.3755
SP15	7350439.349	5044751.734	84.1310	0.2975	84.4285
SP15	7350439.345	5044751.736	84.1240	0.2975	84.4215
SP15	7350439.341	5044751.732	84.1260	0.2975	84.4235
SP16	7350414.428	5044712.479	84.0150	0.2975	84.3125
SP16	7350414.430	5044712.483	84.0140	0.2975	84.3115
SP16	7350414.426	5044712.484	84.0220	0.2975	84.3195
1336	7350699.721	5044714.289	80.7410	0.2976	81.0386
1337	7350682.753	5044699.617	80.5100	0.2976	80.8076
1338	7350673.280	5044677.878	80.6100	0.2976	80.9076
1339	7350678.906	5044667.663	80.8800	0.2976	81.1776
1340	7350690.862	5044659.485	80.5410	0.2976	80.8386
1341	7350715.009	5044665.186	80.4410	0.2976	80.7386
1342	7350730.909	5044673.106	80.1550	0.2976	80.4526
1343	7350734.399	5044671.441	80.2310	0.2976	80.5286
1344	7350736.196	5044670.740	80.8810	0.2976	81.1786
1345	7350736.425	5044654.734	80.6070	0.2976	80.9046
1346	7350755.795	5044681.083	80.8420	0.2976	81.1396
1347	7350767.135	5044708.914	79.5150	0.2976	79.8126
1348	7350776.997	5044657.740	80.7410	0.2976	81.0386
1349	7350798.718	5044646.122	80.6160	0.2977	80.9137
1350	7350804.477	5044640.440	80.4830	0.2977	80.7807
1351	7350815.824	5044620.689	80.6950	0.2977	80.9927
1352	7350826.258	5044624.409	80.3290	0.2977	80.6267
1353	7350736.575	5044636.618	79.4000	0.2976	79.6976
1354	7350774.288	5044623.362	79.1720	0.2976	79.4696
1355	7350801.893	5044610.375	79.0940	0.2977	79.3917
1356	7350793.812	5044596.059	79.5980	0.2977	79.8957



1357	7350779.018	5044603.640	79.8020	0.2976	80.0996
1358	7350750.654	5044595.908	80.4860	0.2976	80.7836
1359	7350710.702	5044597.193	80.3900	0.2976	80.6876
1360	7350685.168	5044595.424	80.3830	0.2976	80.6806
1361	7350658.215	5044606.857	80.7460	0.2976	81.0436
1362	7350665.986	5044626.692	80.6550	0.2976	80.9526
1363	7350634.921	5044631.306	80.8420	0.2976	81.1396
1364	7350621.145	5044656.203	81.0460	0.2976	81.3436
1365	7350598.449	5044622.802	80.8520	0.2976	81.1496
1366	7350620.880	5044606.909	80.6990	0.2976	80.9966
1367	7350660.281	5044585.736	80.9520	0.2976	81.2496
1368	7350686.732	5044579.122	80.4570	0.2976	80.7546
1369	7350711.063	5044571.593	80.5990	0.2976	80.8966
1370	7350747.854	5044562.163	80.2870	0.2976	80.5846
1371	7350691.448	5044475.717	85.4690	0.2976	85.7666
1372	7350628.897	5044434.234	78.2030	0.2976	78.5006
1373	7350606.284	5044439.243	78.1700	0.2976	78.4676
1374	7350599.215	5044453.062	78.1510	0.2976	78.4486
1375	7350569.800	5044493.890	78.1560	0.2976	78.4536
1376	7350575.504	5044499.595	82.5000	0.2976	82.7976
SP17	7350381.941	5044654.507	84.1460	0.2975	84.4435
SP17	7350381.943	5044654.501	84.1470	0.2975	84.4445
SP17	7350381.936	5044654.507	84.1450	0.2975	84.4425
SP18	7350391.354	5044681.492	83.1930	0.2975	83.4905
SP18	7350391.355	5044681.495	83.2000	0.2975	83.4975
SP18	7350391.347	5044681.492	83.1950	0.2975	83.4925
SP20	7350405.955	5044626.533	82.0450	0.2975	82.3425
SP20	7350405.947	5044626.530	82.0320	0.2975	82.3295
SP20	7350405.962	5044626.544	82.0130	0.2975	82.3105
SP21	7350380.898	5044624.129	78.5760	0.2975	78.8735
SP21	7350380.899	5044624.131	78.5860	0.2975	78.8835
SP21	7350380.897	5044624.126	78.5790	0.2975	78.8765
1437	7351286.034	5044595.940	81.7200	0.2978	82.0178
1438	7351290.672	5044592.617	84.5400	0.2978	84.8378
1439	7351292.473	5044591.186	84.9100	0.2978	85.2078
1440	7351292.850	5044591.037	84.9300	0.2978	85.2278
1441	7351298.778	5044586.926	84.9980	0.2978	85.2958
1442	7351299.207	5044586.616	84.9820	0.2978	85.2798
1443	7351303.178	5044583.361	84.7130	0.2978	85.0108
1444	7351302.586	5044575.699	84.7580	0.2978	85.0558
1445	7351307.178	5044572.279	83.9380	0.2978	84.2358
1446	7351292.873	5044555.523	83.5450	0.2978	83.8428
1447	7351289.633	5044557.725	84.5930	0.2978	84.8908
1448	7351287.250	5044560.425	84.7220	0.2978	85.0198
1449	7351283.997	5044563.499	85.2430	0.2978	85.5408
1450	7351283.898	5044561.425	85.3170	0.2978	85.6148
1451	7351299.328	5044556.764	83.4370	0.2978	83.7348
1452	7351283.432	5044563.708	85.2540	0.2978	85.5518
1453	7351277.094	5044567.438	85.1010	0.2978	85.3988
1454	7351276.894	5044567.641	85.1610	0.2978	85.4588
1455	7351275.110	5044568.434	84.8010	0.2978	85.0988
1456	7351284.548	5044581.275	84.8820	0.2978	85.1798
1457	7351282.678	5044578.200	84.8940	0.2978	85.1918
1458	7351265.714	5044553.318	85.1860	0.2978	85.4838
1459	7351260.100	5044545.919	85.1950	0.2978	85.4928
1460	7351261.315	5044545.063	85.4490	0.2978	85.7468
1461	7351261.853	5044544.713	85.3640	0.2978	85.6618
1462	7351273.729	5044547.541	85.3870	0.2978	85.6848
1463	7351267.347	5044540.499	85.8690	0.2978	86.1668
1464	7351268.186	5044540.167	85.5750	0.2978	85.8728
1465	7351269.731	5044539.382	85.3750	0.2978	85.6728
1466	7351265.137	5044516.398	82.6650	0.2978	82.9628
1467	7351262.168	5044519.164	84.7000	0.2978	84.9978
1468	7351260.190	5044520.795	84.7180	0.2978	85.0158
1469	7351258.210	5044523.423	85.8560	0.2978	86.1538
1470	7351259.283	5044526.235	85.9320	0.2978	86.2298
1471	7351256.164	5044522.990	85.9870	0.2978	86.2848
1472	7351255.619	5044523.291	85.9930	0.2978	86.2908
1473	7351249.338	5044527.527	85.6600	0.2978	85.9578



1474	7351248.856	5044527.863	85.7220	0.2978	86.0198
1475	7351247.634	5044528.647	85.5030	0.2978	85.8008
1476	7351251.942	5044533.021	85.4830	0.2978	85.7808
1477	7351243.203	5044534.211	82.0350	0.2978	82.3328
1478	7351229.958	5044522.808	81.8910	0.2978	82.1888
1479	7351236.235	5044516.779	85.4580	0.2978	85.7558
1480	7351237.899	5044515.299	85.9430	0.2978	86.2408
1481	7351238.428	5044514.753	85.9320	0.2978	86.2298
1482	7351243.725	5044509.305	86.3400	0.2978	86.6378
1483	7351244.182	5044508.799	86.2930	0.2978	86.5908
1484	7351246.789	5044505.721	84.6380	0.2978	84.9358
1485	7351248.818	5044504.301	84.7600	0.2978	85.0578
1486	7351248.485	5044499.357	84.6170	0.2978	84.9148
1487	7351252.096	5044496.076	82.5440	0.2978	82.8418
1488	7351235.546	5044484.679	84.7100	0.2978	85.0078
1489	7351237.108	5044483.251	84.4930	0.2978	84.7908
1490	7351240.031	5044479.775	82.8870	0.2978	83.1848
1491	7351248.036	5044484.687	82.2610	0.2978	82.5588
1492	7351233.122	5044486.123	84.8060	0.2978	85.1038
1493	7351229.445	5044472.978	85.5230	0.2978	85.8208
1494	7351225.980	5044470.498	84.7690	0.2978	85.0668
1495	7351225.304	5044472.140	84.8080	0.2978	85.1058
1496	7351215.501	5044465.531	85.0830	0.2978	85.3808
1497	7351211.891	5044467.203	85.6340	0.2978	85.9318
1498	7351210.458	5044447.251	84.8090	0.2978	85.1068
1499	7351213.704	5044447.133	84.7230	0.2978	85.0208
1500	7351223.288	5044451.202	87.6010	0.2978	87.8988
1501	7351225.592	5044456.932	87.1230	0.2978	87.4208
1502	7351216.051	5044440.338	82.7210	0.2978	83.0188
1503	7351208.451	5044449.095	84.7670	0.2978	85.0648
1504	7351200.468	5044455.778	84.6000	0.2978	84.8978
1505	7351200.833	5044463.175	84.7330	0.2978	85.0308
1506	7351199.218	5044468.629	87.1130	0.2978	87.4108
1507	7351189.875	5044461.371	83.8440	0.2978	84.1418
1508	7351192.335	5044471.879	87.6270	0.2978	87.9248
1509	7351181.869	5044459.264	83.2430	0.2978	83.5408
1510	7351167.925	5044464.643	82.6250	0.2978	82.9228
1511	7351169.937	5044468.932	82.7560	0.2978	83.0538
1512	7351159.255	5044470.273	82.6360	0.2978	82.9338
1513	7351155.420	5044466.006	81.3990	0.2978	81.6968
1514	7351164.854	5044460.028	80.8610	0.2978	81.1588
1515	7351144.093	5044443.352	81.5150	0.2978	81.8128
1516	7351155.492	5044425.874	81.1910	0.2978	81.4888
1517	7351172.553	5044415.617	81.0790	0.2978	81.3768
1518	7351178.523	5044411.588	82.7410	0.2978	83.0388
1519	7351181.292	5044408.267	84.8620	0.2978	85.1598
1520	7351183.362	5044407.266	84.9160	0.2978	85.2138
1521	7351185.495	5044405.480	84.5930	0.2978	84.8908
1522	7351182.827	5044411.738	84.7110	0.2978	85.0088
1523	7351249.602	5044515.151	86.1600	0.2978	86.4578
1524	7351249.411	5044515.412	86.1690	0.2978	86.4668
1525	7351243.659	5044520.629	85.8290	0.2978	86.1268
1526	7351242.921	5044520.952	85.8120	0.2978	86.1098
1527	7351231.580	5044508.478	85.9780	0.2978	86.2758
1528	7351231.167	5044508.937	86.0170	0.2978	86.3148
1529	7351229.338	5044510.579	85.7410	0.2978	86.0388
1530	7351235.918	5044501.364	86.5270	0.2978	86.8248
1531	7351236.162	5044500.898	86.5110	0.2978	86.8088
1532	7351238.175	5044497.961	84.8180	0.2978	85.1158
1533	7351230.337	5044491.243	85.3690	0.2978	85.6668
1534	7351227.903	5044494.390	86.7010	0.2978	86.9988
1535	7351227.417	5044494.695	86.7480	0.2978	87.0458
1536	7351222.155	5044502.861	86.2190	0.2978	86.5168
1537	7351221.729	5044503.357	86.2300	0.2978	86.5278
1538	7351220.620	5044505.332	85.7270	0.2978	86.0248
1539	7351219.291	5044503.604	86.1940	0.2978	86.4918
1540	7351208.058	5044500.384	85.8820	0.2978	86.1798
1541	7351208.814	5044498.991	86.3000	0.2978	86.5978
1542	7351209.174	5044498.521	86.3400	0.2978	86.6378



1543	7351208.960	5044497.786	86.3690	0.2978	86.6668
1544	7351212.546	5044487.775	86.9060	0.2978	87.2038
1545	7351212.950	5044487.154	86.9520	0.2978	87.2498
1546	7351216.179	5044487.083	86.9400	0.2978	87.2378
1547	7351217.106	5044482.912	85.7020	0.2978	85.9998
1548	7351204.908	5044486.254	87.0550	0.2978	87.3528
1549	7351205.011	5044485.950	87.0310	0.2978	87.3288
1550	7351202.989	5044496.442	86.5760	0.2978	86.8738
1551	7351202.933	5044496.863	86.5960	0.2978	86.8938
1552	7351200.940	5044499.229	86.1750	0.2978	86.4728
1553	7351190.288	5044498.932	86.4000	0.2978	86.6978
1554	7351190.249	5044497.670	86.8550	0.2978	87.1528
1555	7351190.413	5044496.597	86.8640	0.2978	87.1618
1556	7351189.876	5044495.924	86.8900	0.2978	87.1878
1557	7351188.898	5044486.244	87.4530	0.2978	87.7508
1558	7351188.551	5044485.823	87.3870	0.2978	87.6848
1559	7351191.063	5044484.548	87.5190	0.2978	87.8168
1560	7351187.671	5044484.511	87.4580	0.2978	87.7558
1561	7351181.755	5044478.648	87.2970	0.2978	87.5948
1562	7351188.330	5044503.431	84.8710	0.2978	85.1688
1563	7351199.703	5044505.579	83.6630	0.2978	83.9608
1564	7351206.855	5044510.021	82.7050	0.2978	83.0028
1565	7351213.099	5044514.062	82.3330	0.2978	82.6308
1566	7351210.172	5044526.539	81.0800	0.2978	81.3778
1567	7351199.066	5044519.755	82.0190	0.2978	82.3168
1568	7351188.869	5044513.846	83.0670	0.2978	83.3648
2001	7351362.606	5044609.644	84.5090	0.2978	84.8068
2002	7351362.608	5044609.611	84.5310	0.2978	84.8288
2003	7351360.828	5044606.482	84.5960	0.2978	84.8938
2004	7351358.444	5044603.401	84.5960	0.2978	84.8938
2005	7351358.086	5044601.312	84.7640	0.2978	85.0618
2006	7351349.703	5044608.700	84.6550	0.2978	84.9528
2007	7351346.773	5044602.850	84.4090	0.2978	84.7068
2008	7351343.330	5044611.444	84.6930	0.2978	84.9908
2009	7351344.313	5044615.787	84.7630	0.2978	85.0608
2010	7351336.548	5044613.694	84.7510	0.2978	85.0488
2011	7351333.854	5044612.129	84.7870	0.2978	85.0848
2012	7351332.516	5044614.141	84.7370	0.2978	85.0348
2013	7351329.324	5044614.208	84.6870	0.2978	84.9848
2014	7351333.690	5044618.843	84.8000	0.2978	85.0978
2015	7351324.991	5044613.411	84.6910	0.2978	84.9888
2016	7351320.341	5044611.504	84.7270	0.2978	85.0248
2017	7351318.962	5044609.761	84.7940	0.2978	85.0918
2018	7351316.720	5044608.857	84.7770	0.2978	85.0748
2019	7351315.776	5044607.303	84.8340	0.2978	85.1318
2020	7351312.245	5044604.900	84.8310	0.2978	85.1288
2021	7351312.939	5044604.657	84.7900	0.2978	85.0878
2022	7351309.571	5044602.134	84.8240	0.2978	85.1218
2023	7351310.288	5044601.815	84.8340	0.2978	85.1318
2024	7351306.942	5044599.094	84.8450	0.2978	85.1428
2025	7351307.596	5044598.779	84.8520	0.2978	85.1498
2026	7351309.240	5044599.034	86.8070	0.2978	87.1048
2027	7351311.950	5044594.452	84.6350	0.2978	84.9328
2028	7351318.173	5044602.213	84.6500	0.2978	84.9478
2029	7351304.596	5044595.753	84.8810	0.2978	85.1788
2030	7351305.220	5044595.534	84.8930	0.2978	85.1908
2031	7351297.176	5044584.517	84.9840	0.2978	85.2818
2032	7351297.525	5044583.989	84.9940	0.2978	85.2918
2033	7351301.484	5044580.732	84.6180	0.2978	84.9158
2034	7351304.059	5044575.477	84.5530	0.2978	84.8508
2035	7351308.352	5044576.722	83.7370	0.2978	84.0348
2036	7351315.273	5044588.498	84.2030	0.2978	84.5008
2037	7351314.588	5044594.165	84.6830	0.2978	84.9808
2038	7351321.843	5044592.060	84.2270	0.2978	84.5248
2039	7351325.341	5044600.457	84.5470	0.2978	84.8448
2040	7351331.928	5044603.851	84.5220	0.2978	84.8198
2041	7351337.944	5044602.706	84.4580	0.2978	84.7558
2042	7351312.513	5044575.172	83.7080	0.2978	84.0058
2043	7351291.727	5044589.282	84.9070	0.2978	85.2048



2044	7351290.979	5044589.665	84.8280	0.2978	85.1258
2045	7351300.782	5044602.730	84.9030	0.2978	85.2008
2046	7351299.923	5044603.085	84.9110	0.2978	85.2088
2047	7351305.389	5044609.049	84.9190	0.2978	85.2168
2048	7351304.696	5044609.515	84.9350	0.2978	85.2328
2049	7351309.454	5044613.690	84.9230	0.2978	85.2208
2050	7351308.853	5044614.233	84.9210	0.2978	85.2188
2051	7351313.760	5044617.590	84.8650	0.2978	85.1628
2052	7351312.884	5044618.301	84.8620	0.2978	85.1598
2053	7351314.934	5044620.599	84.8650	0.2978	85.1628
2054	7351319.627	5044616.042	84.7900	0.2978	85.0878
2055	7351305.323	5044602.896	84.8540	0.2978	85.1518
2056	7351294.046	5044586.548	84.9290	0.2978	85.2268
2057	7351317.398	5044620.210	84.8390	0.2978	85.1368
2058	7351323.527	5044623.096	84.8150	0.2978	85.1128
2059	7351327.154	5044632.753	84.4640	0.2978	84.7618
2060	7351325.545	5044623.552	84.8040	0.2978	85.1018
2061	7351330.334	5044623.784	84.8010	0.2978	85.0988
2062	7351333.160	5044623.555	84.8300	0.2978	85.1278
2063	7351336.400	5044626.749	84.9130	0.2978	85.2108
2064	7351335.838	5044627.268	84.8980	0.2978	85.1958
2065	7351337.236	5044623.293	84.8620	0.2978	85.1598
2066	7351338.911	5044622.284	84.8820	0.2978	85.1798
2067	7351338.681	5044626.230	84.8510	0.2978	85.1488
2068	7351339.742	5044631.139	84.8600	0.2978	85.1578
2069	7351341.619	5044629.753	84.6810	0.2978	84.9788
2070	7351342.170	5044629.098	84.7140	0.2978	85.0118
2071	7351345.985	5044626.270	84.8210	0.2978	85.1188
2072	7351352.371	5044626.904	84.8080	0.2978	85.1058
2073	7351349.651	5044623.552	84.7960	0.2978	85.0938
2074	7351345.936	5044621.782	84.7820	0.2978	85.0798
2075	7351342.050	5044621.134	84.8190	0.2978	85.1168
2076	7351347.716	5044618.434	84.7380	0.2978	85.0358
2077	7351352.193	5044615.999	84.6970	0.2978	84.9948
2078	7351355.691	5044613.952	84.6620	0.2978	84.9598
2079	7351354.871	5044617.747	84.7630	0.2978	85.0608
2080	7351353.889	5044623.636	84.7620	0.2978	85.0598
2081	7351355.192	5044628.239	84.8190	0.2978	85.1168
sp23	7351362.511	5044661.744	84.6240	0.2978	84.9218
sp23a	7351362.518	5044661.743	84.6220	0.2978	84.9198
sp23b	7351362.515	5044661.745	84.5930	0.2978	84.8908
sp24a	7351337.102	5044624.141	84.8740	0.2978	85.1718
sp24b	7351337.109	5044624.151	84.8810	0.2978	85.1788
sp24c	7351337.115	5044624.150	84.8850	0.2978	85.1828
sp25a	7351385.870	5044699.465	84.3210	0.2979	84.6189
sp25b	7351385.868	5044699.461	84.3220	0.2979	84.6199
sp25c	7351385.869	5044699.467	84.3190	0.2979	84.6169
sp26a	7351417.790	5044751.211	84.3410	0.2979	84.6389
sp26b	7351417.793	5044751.210	84.3470	0.2979	84.6449
sp26c	7351417.799	5044751.221	84.3470	0.2979	84.6449
2136	7351429.217	5044774.208	84.4190	0.2979	84.7169
2137	7351430.133	5044774.092	84.4280	0.2979	84.7259
2138	7351431.978	5044772.682	84.5130	0.2979	84.8109
2139	7351433.521	5044771.995	84.5840	0.2979	84.8819
2140	7351436.377	5044768.859	84.6680	0.2979	84.9659
2141	7351439.824	5044767.852	84.6820	0.2979	84.9799
2142	7351442.306	5044767.110	84.7220	0.2979	85.0199
2143	7351433.866	5044735.366	84.7880	0.2979	85.0859
2144	7351444.860	5044772.259	84.8020	0.2979	85.0999
2145	7351443.227	5044774.052	84.7340	0.2979	85.0319
2146	7351450.940	5044780.667	84.7770	0.2979	85.0749
2147	7351449.490	5044782.302	84.7830	0.2979	85.0809
2148	7351457.164	5044787.387	84.8440	0.2979	85.1419
2149	7351455.701	5044789.002	84.8160	0.2979	85.1139
2150	7351461.050	5044780.202	84.8120	0.2979	85.1099
2151	7351465.369	5044777.685	84.6140	0.2979	84.9119
2152	7351452.599	5044787.785	84.7200	0.2979	85.0179
2153	7351465.563	5044795.607	84.8320	0.2979	85.1299
2154	7351464.237	5044797.368	84.7670	0.2979	85.0649



2155	7351468.862	5044806.442	84.7140	0.2979	85.0119
2156	7351470.894	5044804.923	84.7560	0.2979	85.0539
2157	7351472.737	5044803.842	84.7770	0.2979	85.0749
2158	7351476.027	5044802.636	84.8260	0.2979	85.1239
2159	7351479.030	5044812.703	84.7560	0.2979	85.0539
2160	7351477.550	5044814.053	84.7660	0.2979	85.0639
2161	7351484.690	5044819.848	84.8080	0.2979	85.1059
2162	7351483.291	5044821.581	84.7610	0.2979	85.0589
2163	7351486.075	5044826.508	84.7340	0.2979	85.0319
2164	7351491.401	5044827.342	84.7760	0.2979	85.0739
2165	7351489.723	5044828.724	84.7860	0.2979	85.0839
2166	7351491.348	5044831.226	84.8230	0.2979	85.1209
2167	7351493.606	5044830.368	84.7810	0.2979	85.0789
2168	7351492.295	5044833.481	84.7780	0.2979	85.0759
2169	7351494.919	5044833.972	84.8040	0.2979	85.1019
2170	7351495.128	5044836.742	84.8420	0.2979	85.1399
2171	7351492.906	5044837.247	84.8290	0.2979	85.1269
2172	7351494.889	5044841.628	84.8050	0.2979	85.1029
2173	7351492.890	5044841.686	84.8140	0.2979	85.1119
2174	7351503.861	5044846.790	84.7610	0.2979	85.0589
2175	7351492.173	5044851.680	84.7410	0.2979	85.0389
2176	7351494.441	5044852.113	84.7540	0.2979	85.0519
2177	7351494.707	5044856.094	84.7820	0.2979	85.0799
2178	7351492.247	5044857.157	84.8280	0.2979	85.1259
2179	7351494.977	5044863.832	84.8380	0.2979	85.1359
2180	7351497.353	5044863.169	84.8180	0.2979	85.1159
2181	7351503.067	5044878.046	84.7290	0.2979	85.0269
2182	7351505.574	5044877.165	84.7760	0.2979	85.0739
2183	7351504.944	5044882.767	84.8420	0.2979	85.1399
2184	7351506.775	5044882.672	84.8320	0.2979	85.1299
2185	7351505.020	5044885.534	84.7430	0.2979	85.0409
2186	7351507.021	5044888.813	84.7810	0.2979	85.0789
2187	7351507.182	5044884.911	84.8250	0.2979	85.1229
2188	7351505.330	5044892.842	84.8280	0.2979	85.1259
2189	7351507.412	5044893.058	84.8090	0.2979	85.1069
2190	7351508.363	5044896.992	84.8290	0.2979	85.1269
2191	7351506.255	5044897.844	84.8090	0.2979	85.1069
2192	7351509.241	5044904.013	84.8800	0.2979	85.1779
2193	7351511.339	5044902.904	84.8420	0.2979	85.1399
2194	7351514.173	5044900.279	84.6900	0.2979	84.9879
2195	7351516.570	5044862.359	84.7490	0.2979	85.0469
2196	7351530.338	5044881.596	84.6830	0.2979	84.9809
2197	7351521.816	5044882.304	84.7760	0.2979	85.0739
2198	7351491.113	5044863.384	84.7910	0.2979	85.0889
2199	7351490.177	5044864.681	84.8000	0.2979	85.0979
2200	7351487.775	5044866.154	84.7610	0.2979	85.0589
2201	7351478.876	5044851.551	84.7690	0.2979	85.0669
2202	7351480.366	5044850.394	84.7940	0.2979	85.0919
2203	7351473.183	5044843.956	84.7290	0.2979	85.0269
2204	7351474.688	5044842.641	84.7410	0.2979	85.0389
2205	7351477.227	5044841.159	84.6670	0.2979	84.9649
2206	7351466.289	5044839.608	84.9730	0.2979	85.2709
2207	7351468.364	5044838.196	84.7910	0.2979	85.0889
2208	7351469.887	5044836.729	84.7360	0.2979	85.0339
2209	7351468.405	5044836.531	84.7150	0.2979	85.0129
2210	7351464.000	5044833.013	84.6980	0.2979	84.9959
2211	7351465.615	5044831.348	84.6780	0.2979	84.9759
2212	7351461.210	5044827.676	84.6550	0.2979	84.9529
2213	7351463.297	5044826.872	84.6440	0.2979	84.9419
2214	7351458.486	5044821.516	84.6850	0.2979	84.9829
2215	7351460.466	5044820.527	84.6640	0.2979	84.9619
2216	7351463.081	5044818.930	84.6320	0.2979	84.9299
2217	7351452.581	5044812.062	84.6510	0.2979	84.9489
2218	7351454.436	5044810.835	84.6700	0.2979	84.9679
2219	7351446.792	5044800.543	84.6090	0.2979	84.9069
2220	7351444.927	5044801.519	84.5480	0.2979	84.8459
2221	7351441.014	5044794.073	84.5720	0.2979	84.8699
2222	7351443.006	5044793.085	84.6080	0.2979	84.9059
2223	7351443.306	5044787.211	84.6210	0.2979	84.9189



2224	7351435.693	5044783.079	84.4910	0.2979	84.7889
2225	7351437.678	5044782.147	84.5670	0.2979	84.8649
sp27a	7351472.576	5044842.803	84.7300	0.2979	85.0279
sp27b	7351472.582	5044842.803	84.7430	0.2979	85.0409
sp27c	7351472.580	5044842.799	84.7370	0.2979	85.0349
sp28a	7351504.324	5044886.013	84.8170	0.2979	85.1149
sp28b	7351504.317	5044886.010	84.8240	0.2979	85.1219
sp28c	7351504.315	5044886.015	84.8280	0.2979	85.1259
2244	7351519.792	5044931.360	84.7250	0.2979	85.0229
2245	7351524.061	5044928.019	84.9230	0.2979	85.2209
2246	7351525.968	5044926.823	84.9700	0.2979	85.2679
2247	7351526.421	5044919.963	84.7500	0.2979	85.0479
2248	7351536.852	5044917.189	84.6460	0.2979	84.9439
2249	7351547.359	5044908.622	84.6750	0.2979	84.9729
2250	7351549.567	5044906.496	84.4780	0.2979	84.7759
2251	7351561.587	5044933.481	84.7900	0.2979	85.0879
2252	7351563.929	5044932.255	84.7230	0.2979	85.0209
2253	7351551.792	5044939.158	84.5450	0.2979	84.8429
2254	7351541.674	5044944.463	84.7210	0.2979	85.0189
2255	7351539.089	5044947.611	84.7350	0.2979	85.0329
2256	7351537.371	5044948.706	84.7290	0.2979	85.0269
2257	7351530.834	5044945.516	85.0370	0.2979	85.3349
2258	7351551.173	5044976.311	84.8150	0.2979	85.1129
2259	7351551.109	5044969.994	84.7470	0.2979	85.0449
2260	7351554.125	5044968.390	84.5790	0.2979	84.8769
2261	7351557.920	5044991.262	84.9090	0.2979	85.2069
2262	7351561.178	5044989.645	84.9310	0.2979	85.2289
2263	7351565.527	5044988.547	84.9100	0.2979	85.2079
2264	7351565.821	5044982.843	84.7030	0.2979	85.0009
2265	7351573.758	5044977.300	84.7900	0.2979	85.0879
2266	7351564.154	5044961.393	84.8080	0.2979	85.1059
2267	7351556.146	5044966.768	84.7550	0.2979	85.0529
2268	7351574.573	5044952.185	84.7870	0.2979	85.0849
2269	7351577.881	5044952.047	84.8500	0.2979	85.1479
2270	7351588.819	5044974.383	84.7580	0.2979	85.0559
2271	7351589.182	5044971.536	84.8100	0.2979	85.1079
2272	7351602.880	5044996.976	84.8720	0.2979	85.1699
2273	7351604.162	5044994.963	84.9250	0.2979	85.2229
2274	7351592.479	5045002.053	84.8510	0.2979	85.1489
2275	7351583.062	5045010.353	84.7560	0.2979	85.0539
2276	7351579.535	5045012.858	84.7390	0.2979	85.0369
2277	7351599.441	5045036.397	84.8470	0.2979	85.1449
2278	7351595.606	5045039.962	84.8080	0.2979	85.1059
2279	7351607.276	5045029.963	84.9080	0.2979	85.2059
2280	7351615.798	5045017.949	84.8670	0.2979	85.1649
2281	7351629.896	5045040.811	84.8370	0.2979	85.1349
2282	7351617.412	5045047.656	84.9730	0.2979	85.2709
2283	7351609.971	5045053.097	84.8210	0.2979	85.1189
2284	7351608.823	5045058.446	84.8260	0.2979	85.1239
2285	7351623.176	5045082.066	84.6860	0.2980	84.9840
2286	7351626.466	5045079.448	84.7890	0.2980	85.0870
2287	7351636.659	5045077.532	84.8810	0.2980	85.1790
2288	7351648.020	5045071.637	84.7950	0.2980	85.0930
2289	7351648.949	5045070.799	84.7990	0.2980	85.0970
2290	7351664.499	5045096.909	84.8860	0.2980	85.1840
2291	7351666.902	5045095.769	84.8620	0.2980	85.1600
2292	7351656.021	5045100.484	85.0050	0.2980	85.3030
2293	7351643.929	5045107.812	84.7710	0.2980	85.0690
2294	7351643.981	5045113.955	85.0710	0.2980	85.3690
2295	7351659.725	5045131.346	84.8350	0.2980	85.1330
2296	7351656.163	5045134.431	84.7300	0.2980	85.0280
2297	7351667.408	5045124.296	84.8450	0.2980	85.1430
2298	7351677.459	5045116.128	85.0010	0.2980	85.2990
2299	7351679.628	5045113.666	85.1320	0.2980	85.4300
2300	7351683.819	5045139.895	84.9150	0.2980	85.2130
2301	7351692.834	5045141.176	84.9070	0.2980	85.2050
2302	7351694.135	5045140.579	84.8460	0.2980	85.1440
2303	7351673.757	5045149.701	84.8600	0.2980	85.1580
2304	7351671.549	5045153.562	84.6280	0.2980	84.9260



2305	7351697.977	5045112.010	86.8340	0.2980	87.1320
2306	7351699.480	5045111.094	86.4910	0.2980	86.7890
2307	7351679.727	5045081.349	86.9440	0.2980	87.2420
2308	7351681.199	5045080.802	86.5970	0.2980	86.8950
2309	7351677.549	5045082.613	87.4790	0.2980	87.7770
2310	7351658.121	5045049.833	87.6220	0.2980	87.9200
2311	7351660.332	5045048.569	87.0560	0.2980	87.3540
2312	7351661.134	5045047.396	86.8270	0.2980	87.1250
2313	7351641.573	5045021.749	87.7730	0.2979	88.0709
2314	7351643.662	5045020.392	87.2670	0.2979	87.5649
2315	7351644.360	5045018.863	86.9560	0.2979	87.2539
2316	7351619.969	5044985.206	87.8830	0.2979	88.1809
2317	7351622.255	5044984.007	87.1810	0.2979	87.4789
2318	7351623.350	5044983.444	86.8300	0.2979	87.1279
2319	7351602.642	5044955.681	87.9120	0.2979	88.2099
2320	7351604.358	5044954.304	87.3760	0.2979	87.6739
2321	7351604.852	5044952.996	87.1400	0.2979	87.4379
2322	7351581.822	5044920.917	88.2400	0.2979	88.5379
2323	7351583.386	5044918.858	87.6800	0.2979	87.9779
2324	7351584.227	5044918.023	87.3630	0.2979	87.6609
2325	7351559.841	5044883.937	88.4450	0.2979	88.7429
2326	7351561.909	5044882.171	87.7860	0.2979	88.0839
2327	7351562.743	5044881.682	87.5650	0.2979	87.8629
3011	7352238.263	5046051.614	84.6570	0.2984	84.9554
3012	7352239.466	5046050.277	84.7890	0.2984	85.0874
3013	7352240.597	5046049.655	84.8510	0.2984	85.1494
3014	7352244.037	5046046.213	84.9250	0.2984	85.2234
3015	7352246.622	5046041.074	84.8680	0.2984	85.1664
3016	7352250.524	5046038.334	84.9070	0.2984	85.2054
3017	7352254.098	5046035.130	84.9580	0.2984	85.2564
3018	7352257.804	5046032.016	84.8970	0.2984	85.1954
3019	7352261.023	5046027.816	84.8570	0.2984	85.1554
3020	7352267.780	5046030.986	85.2120	0.2984	85.5104
3021	7352269.173	5046030.005	85.2080	0.2984	85.5064
3022	7352270.061	5046031.443	85.2080	0.2984	85.5064
3023	7352268.732	5046032.256	85.2650	0.2984	85.5634
3024	7352269.842	5046032.519	85.1600	0.2984	85.4584
3025	7352266.635	5046021.050	84.8720	0.2984	85.1704
3026	7352263.458	5046019.881	84.7640	0.2984	85.0624
3027	7352248.855	5046003.906	84.7150	0.2984	85.0134
3028	7352246.516	5046004.852	84.8460	0.2984	85.1444
3029	7352242.002	5046006.854	84.9200	0.2984	85.2184
3030	7352237.534	5046008.621	84.9530	0.2984	85.2514
3031	7352233.024	5046010.240	84.8780	0.2984	85.1764
3032	7352228.601	5046012.406	84.8620	0.2984	85.1604
3033	7352224.053	5046014.619	84.8070	0.2984	85.1054
3034	7352221.707	5046019.657	84.6010	0.2984	84.8994
3035	7352221.756	5046023.942	84.4520	0.2984	84.7504
3036	7352221.139	5046026.344	83.7870	0.2984	84.0854
3037	7352222.748	5046016.609	84.5910	0.2984	84.8894
3038	7352221.701	5046014.666	84.7120	0.2984	85.0104
3039	7352217.808	5046012.480	84.7590	0.2984	85.0574
3040	7352212.533	5046002.721	84.6730	0.2984	84.9714
3041	7352207.516	5045992.223	84.7450	0.2984	85.0434
3042	7352212.436	5045996.033	84.7490	0.2984	85.0474
3043	7352214.122	5045994.075	84.6030	0.2984	84.9014
3044	7352213.030	5045991.633	84.7860	0.2984	85.0844
3045	7352207.477	5045987.511	84.7540	0.2984	85.0524
3046	7352205.682	5045988.302	84.7080	0.2984	85.0064
3047	7352202.814	5045978.698	84.8290	0.2984	85.1274
3048	7352201.934	5045979.081	84.7650	0.2984	85.0634
3049	7352196.210	5045964.767	84.9100	0.2984	85.2084
3050	7352198.379	5045963.520	84.8680	0.2984	85.1664
3051	7352203.593	5045968.259	84.7640	0.2984	85.0624
3052	7352202.832	5045966.391	85.0090	0.2984	85.3074
3053	7352205.032	5045974.939	84.8740	0.2984	85.1724
3054	7352197.928	5045973.707	84.6710	0.2984	84.9694
3055	7352195.428	5045975.246	83.3440	0.2984	83.6424
3056	7352206.134	5045967.647	84.9110	0.2984	85.2094



3057	7352209.913	5045964.645	84.9880	0.2984	85.2864
3058	7352209.689	5045960.012	84.9330	0.2984	85.2314
3059	7352213.910	5045961.991	84.9600	0.2984	85.2584
3060	7352215.898	5045961.066	84.9500	0.2984	85.2484
3061	7352218.282	5045958.065	84.5660	0.2984	84.8644
3062	7352221.411	5045967.860	84.8840	0.2984	85.1824
3063	7352223.642	5045965.703	84.4420	0.2984	84.7404
3064	7352226.179	5045973.945	84.8540	0.2984	85.1524
3065	7352229.522	5045972.321	85.1240	0.2984	85.4224
3066	7352233.077	5045983.184	84.8870	0.2984	85.1854
3067	7352235.018	5045981.771	84.6530	0.2984	84.9514
3068	7352227.990	5045988.652	84.9800	0.2984	85.2784
3069	7352210.048	5045953.838	84.9610	0.2984	85.2594
3070	7352209.078	5045954.434	84.9520	0.2984	85.2504
3071	7352204.878	5045946.779	84.9650	0.2984	85.2634
3072	7352204.556	5045946.962	84.9770	0.2984	85.2754
3073	7352208.714	5045944.177	84.4740	0.2984	84.7724
3074	7352199.212	5045938.405	84.9460	0.2984	85.2444
3075	7352194.944	5045940.681	84.9570	0.2984	85.2554
3076	7352190.999	5045943.421	84.9290	0.2984	85.2274
3077	7352183.981	5045936.062	84.8630	0.2984	85.1614
3078	7352188.508	5045945.151	84.8930	0.2984	85.1914
3079	7352188.203	5045945.328	84.8020	0.2984	85.1004
3080	7352193.049	5045953.629	84.8770	0.2984	85.1754
3081	7352191.921	5045954.232	84.8600	0.2984	85.1584
3082	7352191.436	5045961.940	84.5000	0.2984	84.7984
3083	7352195.492	5045968.369	84.7840	0.2984	85.0824
3084	7352179.514	5045935.801	84.2680	0.2984	84.5664
3085	7352180.315	5045928.420	84.9050	0.2984	85.2034
3086	7352181.134	5045927.897	84.9210	0.2984	85.2194
3087	7352183.714	5045927.589	84.9390	0.2984	85.2374
3088	7352182.657	5045925.837	84.9270	0.2984	85.2254
3089	7352184.143	5045923.622	84.9720	0.2984	85.2704
3090	7352187.426	5045921.057	84.9270	0.2984	85.2254
3091	7352190.662	5045916.538	84.6170	0.2984	84.9154
3092	7352191.929	5045927.476	84.9340	0.2984	85.2324
3093	7352182.926	5045914.899	84.9540	0.2984	85.2524
3094	7352176.228	5045906.389	84.9590	0.2984	85.2574
3095	7352174.434	5045908.029	84.9980	0.2984	85.2964
3096	7352170.696	5045911.383	84.9560	0.2984	85.2544
3097	7352175.533	5045918.934	84.9110	0.2984	85.2094
3098	7352175.335	5045919.029	84.9170	0.2984	85.2154
3099	7352162.616	5045905.805	84.6710	0.2984	84.9694
3100	7352166.149	5045903.887	84.9180	0.2984	85.2164
3101	7352169.893	5045900.825	84.9910	0.2984	85.2894
3102	7352170.994	5045899.988	84.9870	0.2984	85.2854
3103	7352176.165	5045894.673	84.5620	0.2984	84.8604

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DATUM FR-NVT2 u DATUM TRST

Naziv tacke	y [m]	x [m]	H1 [m]	dH [m]	H2 [m]
3104	7352172.544	5045893.601	84.9870	0.2984	85.2854
3105	7352171.798	5045888.930	85.0710	0.2984	85.3694
3106	7352168.797	5045891.085	84.6820	0.2984	84.9804
3107	7352166.546	5045888.185	84.7770	0.2984	85.0754
3108	7352163.855	5045890.281	84.9530	0.2984	85.2514
3109	7352163.482	5045890.511	84.9710	0.2984	85.2694
3110	7352159.670	5045892.524	84.9630	0.2984	85.2614
3111	7352159.193	5045892.900	84.9730	0.2984	85.2714
3112	7352153.910	5045880.887	84.9290	0.2984	85.2274
3113	7352152.455	5045881.297	85.3820	0.2984	85.6804
3114	7352155.238	5045877.426	84.9550	0.2984	85.2534
3115	7352161.911	5045873.237	84.7250	0.2984	85.0234
3116	7352149.290	5045881.811	84.6760	0.2984	84.9744
3117	7352144.875	5045869.848	85.2420	0.2984	85.5404
3118	7352147.727	5045868.395	84.9620	0.2984	85.2604
3119	7352148.640	5045867.035	84.9470	0.2984	85.2454
3120	7352152.522	5045861.830	84.7330	0.2984	85.0314
3121	7352147.687	5045857.197	85.0320	0.2984	85.3304
3122	7352143.268	5045858.452	84.8750	0.2984	85.1734
3123	7352142.834	5045858.700	84.8840	0.2984	85.1824
3124	7352133.788	5045843.322	84.9020	0.2983	85.2003
3125	7352139.992	5045838.842	84.8650	0.2983	85.1633
3126	7352130.080	5045846.130	84.8630	0.2983	85.1613
3127	7352126.692	5045840.692	84.7280	0.2983	85.0263
3128	7352121.845	5045840.326	84.6020	0.2983	84.9003
3129	7352119.658	5045841.466	83.3530	0.2983	83.6513
3130	7352122.617	5045805.135	84.4460	0.2983	84.7443
3131	7352121.801	5045811.770	84.3440	0.2983	84.6423
3132	7352115.202	5045813.639	84.9520	0.2983	85.2503
3133	7352110.297	5045814.986	84.9760	0.2983	85.2743
3134	7352107.014	5045818.293	84.6520	0.2983	84.9503
3135	7352113.867	5045783.905	84.1500	0.2983	84.4483
3136	7352110.664	5045785.686	84.4310	0.2983	84.7293
3137	7352114.538	5045796.414	84.5310	0.2983	84.8293
3138	7352112.352	5045797.380	84.5070	0.2983	84.8053
3139	7352106.929	5045790.386	84.2540	0.2983	84.5523
3140	7352105.299	5045792.882	84.7310	0.2983	85.0293
3141	7352103.166	5045794.267	85.0020	0.2983	85.3003
3142	7352098.686	5045796.338	84.9430	0.2983	85.2413
3143	7352093.297	5045797.979	84.3820	0.2983	84.6803
3144	7352091.679	5045769.045	84.4810	0.2983	84.7793
3145	7352090.531	5045769.836	84.7180	0.2983	85.0163
3146	7352088.670	5045771.488	85.0070	0.2983	85.3053
3147	7352084.107	5045772.912	84.9320	0.2983	85.2303
3148	7352082.405	5045773.876	84.8240	0.2983	85.1223
3149	7352080.022	5045775.175	83.6010	0.2983	83.8993
3150	7352075.195	5045743.236	84.4850	0.2983	84.7833
3151	7352074.326	5045743.874	84.6750	0.2983	84.9733
3152	7352072.208	5045745.531	85.0190	0.2983	85.3173
3153	7352068.773	5045748.325	84.9240	0.2983	85.2223
3154	7352064.659	5045725.819	84.5230	0.2983	84.8213
3155	7352063.404	5045726.474	84.6850	0.2983	84.9833
3156	7352061.640	5045728.329	85.0230	0.2983	85.3213
3157	7352056.740	5045728.951	84.9730	0.2983	85.2713
3158	7352053.633	5045729.428	84.6490	0.2983	84.9473
3159	7352051.280	5045730.058	83.7090	0.2983	84.0073



3160	7352049.530	5045730.735	84.4280	0.2983	84.7263
3161	7352047.396	5045731.253	84.0080	0.2983	84.3063
3162	7352052.947	5045705.267	84.4330	0.2983	84.7313
3163	7352051.171	5045706.235	84.7000	0.2983	84.9983
3164	7352048.629	5045707.167	85.0320	0.2983	85.3303
3165	7352045.773	5045711.163	84.9870	0.2983	85.2853
3166	7352044.503	5045711.899	84.8780	0.2983	85.1763
3167	7352038.321	5045681.934	84.4070	0.2983	84.7053
3168	7352036.617	5045682.674	84.6450	0.2983	84.9433
3169	7352034.530	5045684.088	84.9910	0.2983	85.2893
3170	7352029.323	5045684.482	84.9020	0.2983	85.2003
3171	7352027.207	5045686.712	84.7410	0.2983	85.0393
3172	7352025.451	5045687.351	84.5120	0.2983	84.8103
3173	7352022.637	5045693.658	84.0640	0.2983	84.3623
3174	7352022.793	5045654.066	83.9400	0.2983	84.2383
3175	7352020.277	5045654.760	84.4430	0.2983	84.7413
3176	7352018.115	5045656.850	84.9340	0.2983	85.2323
3177	7352012.118	5045656.147	84.6570	0.2983	84.9553
3178	7352010.198	5045656.896	84.4500	0.2983	84.7483
3179	7352012.877	5045641.663	84.3080	0.2983	84.6063
3180	7352011.977	5045639.963	84.5640	0.2983	84.8623
3181	7352007.176	5045627.458	83.7860	0.2982	84.0842
3182	7352005.811	5045629.706	84.2700	0.2982	84.5682
3183	7352002.758	5045630.929	84.9620	0.2982	85.2602
3184	7352000.803	5045632.146	84.6340	0.2982	84.9322
3185	7351998.398	5045633.306	84.5790	0.2982	84.8772
3186	7351995.530	5045635.427	84.4170	0.2982	84.7152
3187	7351993.190	5045636.441	83.2990	0.2982	83.5972
3188	7351996.982	5045626.035	84.5610	0.2982	84.8592
3189	7351986.462	5045595.143	84.2300	0.2982	84.5282
3190	7351984.652	5045595.174	84.6650	0.2982	84.9632
3191	7351982.195	5045596.172	85.0520	0.2982	85.3502
3192	7351980.685	5045598.945	84.5650	0.2982	84.8632
3193	7351978.336	5045600.332	84.5330	0.2982	84.8312
3194	7351974.837	5045600.526	84.3860	0.2982	84.6842
3195	7351972.765	5045602.475	83.1000	0.2982	83.3982
3196	7351967.671	5045561.889	84.0020	0.2982	84.3002
3197	7351966.107	5045562.615	84.5040	0.2982	84.8022
3198	7351963.297	5045563.974	85.2240	0.2982	85.5222
3199	7351960.539	5045564.413	84.8740	0.2982	85.1722
3200	7351956.887	5045565.586	84.3650	0.2982	84.6632
3201	7351952.086	5045567.380	83.9550	0.2982	84.2532
3202	7351948.969	5045565.879	83.0880	0.2982	83.3862
3203	7351942.432	5045519.223	84.0500	0.2982	84.3482
3204	7351940.701	5045520.028	84.7060	0.2982	85.0042
3205	7351941.154	5045521.427	84.6210	0.2982	84.9192
3206	7351937.013	5045519.729	85.3900	0.2982	85.6882
3207	7351934.933	5045520.619	84.9110	0.2982	85.2092
3208	7351930.160	5045522.319	84.2620	0.2982	84.5602
3209	7351926.431	5045523.620	83.9760	0.2982	84.2742
3210	7351923.733	5045523.096	82.7630	0.2982	83.0612
3211	7351921.288	5045485.372	84.5950	0.2982	84.8932
3212	7351920.329	5045486.000	84.8480	0.2982	85.1462
3213	7351917.745	5045487.173	85.5210	0.2982	85.8192
3214	7351916.083	5045488.537	85.0980	0.2982	85.3962
3215	7351912.815	5045493.722	84.2330	0.2982	84.5312
3216	7351910.893	5045495.092	84.0330	0.2982	84.3312
3217	7351905.627	5045457.956	84.3080	0.2982	84.6062
3218	7351904.308	5045459.258	85.0760	0.2982	85.3742
3219	7351901.570	5045460.122	85.6760	0.2982	85.9742
3220	7351899.515	5045461.055	85.1530	0.2982	85.4512
3221	7351897.757	5045463.106	84.7500	0.2982	85.0482
3222	7351896.083	5045467.127	84.2520	0.2982	84.5502
3223	7351892.853	5045467.615	83.9820	0.2982	84.2802
3224	7351876.486	5045409.412	84.8600	0.2981	85.1581
3225	7351875.528	5045411.447	85.3360	0.2981	85.6341
3226	7351872.833	5045411.897	85.9000	0.2981	86.1981
3227	7351870.974	5045413.638	85.4130	0.2981	85.7111
3228	7351869.955	5045415.008	85.1090	0.2981	85.4071



3229	7351868.630	5045416.809	84.1570	0.2981	84.4551
3230	7351865.740	5045418.394	84.0620	0.2981	84.3601
3231	7351857.844	5045418.782	83.4390	0.2981	83.7371
3232	7351853.624	5045419.903	81.9000	0.2981	82.1981
3233	7351854.196	5045372.168	85.2900	0.2981	85.5881
3234	7351852.931	5045373.571	85.5470	0.2981	85.8451
3235	7351850.943	5045374.891	86.0940	0.2981	86.3921
3236	7351849.346	5045376.866	85.5690	0.2981	85.8671
3237	7351848.573	5045377.807	85.3250	0.2981	85.6231
3238	7351846.330	5045379.478	83.8600	0.2981	84.1581
3239	7351843.804	5045383.075	84.0750	0.2981	84.3731
3240	7351842.145	5045350.798	85.2280	0.2981	85.5261
3241	7351840.293	5045352.141	85.5930	0.2981	85.8911
3242	7351837.864	5045352.878	86.1870	0.2981	86.4851
3243	7351837.149	5045356.423	85.6140	0.2981	85.9121
3244	7351836.697	5045357.311	85.4370	0.2981	85.7351
3245	7351834.226	5045358.990	83.8600	0.2981	84.1581
3246	7351829.139	5045364.933	84.0530	0.2981	84.3511
3247	7351819.782	5045313.851	85.5600	0.2981	85.8581
3248	7351818.343	5045314.904	85.9520	0.2981	86.2501
3249	7351815.547	5045315.329	86.3610	0.2981	86.6591
3250	7351813.590	5045317.156	85.8680	0.2981	86.1661
3251	7351811.762	5045317.433	85.6410	0.2981	85.9391
3252	7351809.292	5045318.785	84.0210	0.2981	84.3191
3253	7351804.206	5045326.544	83.9910	0.2981	84.2891
3254	7351803.427	5045287.315	85.7870	0.2981	86.0851
3255	7351802.438	5045288.045	86.0940	0.2981	86.3921
3256	7351799.921	5045288.733	86.5810	0.2981	86.8791
3257	7351797.602	5045289.466	86.1650	0.2981	86.4631
3258	7351796.415	5045292.555	85.8470	0.2981	86.1451
3259	7351794.780	5045295.071	84.0660	0.2981	84.3641
3260	7351790.896	5045298.447	84.3040	0.2981	84.6021
3261	7351788.158	5045299.703	84.0160	0.2981	84.3141
3262	7351778.464	5045244.991	86.0480	0.2981	86.3461
3263	7351777.161	5045245.790	86.2990	0.2981	86.5971
3264	7351774.956	5045246.688	86.7360	0.2981	87.0341
3265	7351772.028	5045246.096	86.3570	0.2981	86.6551
3266	7351768.550	5045243.024	86.1080	0.2981	86.4061
3267	7351765.580	5045243.920	84.6590	0.2981	84.9571
3268	7351760.123	5045250.306	84.4670	0.2981	84.7651
3269	7351756.196	5045252.398	84.6370	0.2981	84.9351
3270	7351747.377	5045191.376	85.9730	0.2980	86.2710
3271	7351746.132	5045193.140	86.5270	0.2980	86.8250
3272	7351743.456	5045193.630	86.9700	0.2980	87.2680
3273	7351741.731	5045195.357	86.4700	0.2980	86.7680
3274	7351741.147	5045196.852	86.2770	0.2980	86.5750
3275	7351738.670	5045198.875	84.5650	0.2980	84.8630
3276	7351735.849	5045200.493	84.3970	0.2980	84.6950
3277	7351733.505	5045202.303	84.6990	0.2980	84.9970
3278	7351726.713	5045201.575	84.7910	0.2980	85.0890
3279	7351723.508	5045205.003	85.0040	0.2980	85.3020
3280	7351694.580	5045180.356	84.6600	0.2980	84.9580
3281	7351702.515	5045173.170	84.7450	0.2980	85.0430
3282	7351699.322	5045156.476	84.8630	0.2980	85.1610
3283	7351700.669	5045149.128	84.8590	0.2980	85.1570
3284	7351692.245	5045115.263	86.6070	0.2980	86.9050
3285	7351693.755	5045114.291	86.8860	0.2980	87.1840
3286	7351695.582	5045112.876	87.3010	0.2980	87.5990
3287	7351674.377	5045084.392	86.8040	0.2980	87.1020
3288	7351675.457	5045083.422	87.1430	0.2980	87.4410
3289	7351654.546	5045050.782	87.0120	0.2980	87.3100
3290	7351655.725	5045050.287	87.1920	0.2980	87.4900
3291	7351638.555	5045023.244	87.2600	0.2979	87.5579
3292	7351639.341	5045022.556	87.3640	0.2979	87.6619
3293	7351615.113	5044985.313	87.2770	0.2979	87.5749
3294	7351616.793	5044984.584	87.4940	0.2979	87.7919
3295	7351598.337	5044955.900	87.4940	0.2979	87.7919
3296	7351599.553	5044955.202	87.5880	0.2979	87.8859
3297	7351578.307	5044922.687	87.6540	0.2979	87.9519



3298	7351579.737	5044921.883	87.9980	0.2979	88.2959
3299	7351557.814	5044885.686	88.0920	0.2979	88.3899
3300	7351554.461	5044887.172	87.7340	0.2979	88.0319
sp31a	7350879.985	5044443.535	85.3680	0.2977	85.6657
sp31b	7350879.984	5044443.536	85.3720	0.2977	85.6697
sp31c	7350879.985	5044443.536	85.3780	0.2977	85.6757
sp32a	7350835.950	5044384.465	85.2440	0.2977	85.5417
sp32b	7350835.946	5044384.464	85.2440	0.2977	85.5417
sp32c	7350835.944	5044384.463	85.2430	0.2977	85.5407
4001	7350953.525	5044541.646	85.9490	0.2977	86.2467
4002	7350954.414	5044541.008	85.9120	0.2977	86.2097
4003	7350956.299	5044539.749	85.1730	0.2977	85.4707
4004	7350975.796	5044526.353	85.1120	0.2977	85.4097
4005	7350999.215	5044510.179	85.1160	0.2977	85.4137
4006	7351021.943	5044494.426	85.1000	0.2977	85.3977
4007	7351003.446	5044461.478	85.1460	0.2977	85.4437
4008	7350979.104	5044476.837	85.1530	0.2977	85.4507
4009	7350959.442	5044492.267	85.0940	0.2977	85.3917
4010	7350935.701	5044512.572	85.1210	0.2977	85.4187
4011	7350934.834	5044513.208	85.3680	0.2977	85.6657
4012	7350921.082	5044495.738	85.4290	0.2977	85.7267
4013	7350922.565	5044494.633	85.0990	0.2977	85.3967
4014	7350912.501	5044483.030	85.3330	0.2977	85.6307
4015	7350940.164	5044481.728	85.1280	0.2977	85.4257
4016	7350963.920	5044464.327	85.0590	0.2977	85.3567
4017	7350983.206	5044425.733	85.1110	0.2977	85.4087
4018	7350975.444	5044417.343	85.0480	0.2977	85.3457
4019	7350952.971	5044442.942	85.0820	0.2977	85.3797
4020	7350938.965	5044453.421	85.1490	0.2977	85.4467
4021	7350924.512	5044463.545	85.0250	0.2977	85.3227
4022	7350928.438	5044455.409	85.0850	0.2977	85.3827
4023	7350949.067	5044474.506	85.0730	0.2977	85.3707
4024	7350959.931	5044490.621	85.1060	0.2977	85.4037
4025	7350987.932	5044496.988	85.1010	0.2977	85.3987
4026	7350973.249	5044506.697	85.1390	0.2977	85.4367
4027	7350957.329	5044517.193	85.1090	0.2977	85.4067
4028	7350945.278	5044525.954	85.1310	0.2977	85.4287
4029	7350944.031	5044526.669	85.6910	0.2977	85.9887
4030	7350958.412	5044545.839	85.9890	0.2977	86.2867
4031	7350959.801	5044544.554	85.1420	0.2977	85.4397
4032	7350970.866	5044533.692	85.0730	0.2977	85.3707
4033	7350971.880	5044534.940	84.6570	0.2977	84.9547
4034	7350983.960	5044524.070	85.0640	0.2977	85.3617
4035	7350984.678	5044525.003	84.8500	0.2977	85.1477
4036	7350999.272	5044513.481	85.0810	0.2977	85.3787
4037	7350999.719	5044514.277	84.9130	0.2977	85.2107
4038	7351014.948	5044503.758	85.0880	0.2977	85.3857
4039	7351025.076	5044499.353	85.0010	0.2977	85.2987
4040	7351026.168	5044499.925	84.4930	0.2977	84.7907
4041	7351021.415	5044489.963	84.6770	0.2977	84.9747
4042	7351020.560	5044490.345	85.0750	0.2977	85.3727
4043	7351016.821	5044505.630	83.7920	0.2977	84.0897
4044	7351024.200	5044520.434	83.7030	0.2977	84.0007
4045	7351014.648	5044526.771	83.2170	0.2977	83.5147
4046	7351004.637	5044514.339	83.1540	0.2977	83.4517
4047	7350994.721	5044521.827	82.6200	0.2977	82.9177
4048	7351003.803	5044535.247	82.6830	0.2977	82.9807
4049	7350990.483	5044545.992	82.0790	0.2977	82.3767
4050	7350978.378	5044535.443	82.0690	0.2977	82.3667
4051	7350969.727	5044542.038	82.3300	0.2977	82.6277
4052	7350981.113	5044556.021	82.4360	0.2977	82.7337
4053	7351003.130	5044584.284	83.0700	0.2977	83.3677
4054	7351004.683	5044583.621	82.9940	0.2977	83.2917
4055	7351005.285	5044585.194	83.0900	0.2977	83.3877
4056	7351012.699	5044583.346	83.5600	0.2977	83.8577
4057	7351006.098	5044567.014	82.2120	0.2977	82.5097
4058	7351010.668	5044546.519	82.7210	0.2977	83.0187
4059	7351030.153	5044549.396	83.3720	0.2977	83.6697
4060	7350972.019	5044564.281	86.3970	0.2977	86.6947



4061	7350821.617	5044438.354	85.3250	0.2977	85.6227
sp34a	7350888.623	5044268.435	85.4400	0.2977	85.7377
sp34b	7350888.622	5044268.439	85.4340	0.2977	85.7317
sp34c	7350888.616	5044268.436	85.4260	0.2977	85.7237
sp35a	7350891.453	5044295.819	84.8510	0.2977	85.1487
sp35b	7350891.449	5044295.820	84.8530	0.2977	85.1507
sp35c	7350891.454	5044295.822	84.8490	0.2977	85.1467
4147	7350905.039	5044292.891	85.0800	0.2977	85.3777
4148	7350914.958	5044304.634	85.1120	0.2977	85.4097
4149	7350926.440	5044325.154	85.2890	0.2977	85.5867
4150	7350923.769	5044346.241	85.1750	0.2977	85.4727
4151	7350924.820	5044347.595	85.1600	0.2977	85.4577
4152	7350939.965	5044355.078	85.0750	0.2977	85.3727
4153	7350942.557	5044353.709	85.2030	0.2977	85.5007
4214	7350985.113	5044242.748	84.9070	0.2977	85.2047
4215	7350985.036	5044246.175	85.0220	0.2977	85.3197
4216	7350981.212	5044259.533	84.4780	0.2977	84.7757
4217	7350972.628	5044264.831	84.8120	0.2977	85.1097
4218	7350988.144	5044252.049	84.8070	0.2977	85.1047
4219	7350995.892	5044251.530	84.7540	0.2977	85.0517
4220	7351000.921	5044253.365	84.7840	0.2977	85.0817
4221	7351005.445	5044254.146	84.7950	0.2977	85.0927
4222	7351004.358	5044260.114	84.7070	0.2977	85.0047
4223	7351000.206	5044259.425	84.7740	0.2977	85.0717
4224	7351003.149	5044257.750	82.5180	0.2977	82.8157
4225	7351009.523	5044262.756	84.7160	0.2977	85.0137
4226	7351004.127	5044269.599	84.7110	0.2977	85.0087
4227	7350995.966	5044273.514	84.7580	0.2977	85.0557
4228	7351001.014	5044286.027	84.6390	0.2977	84.9367
4229	7351007.452	5044282.990	84.6070	0.2977	84.9047
4230	7351014.596	5044282.599	85.7410	0.2977	86.0387
4231	7351013.177	5044292.789	83.7450	0.2977	84.0427
4232	7351015.971	5044285.174	84.4980	0.2977	84.7957
4233	7351017.683	5044286.533	83.6630	0.2977	83.9607
4234	7351014.554	5044280.671	84.5650	0.2977	84.8627
4235	7351010.771	5044274.257	84.8320	0.2977	85.1297
4236	7351020.146	5044260.640	84.5790	0.2977	84.8767
4237	7351029.657	5044262.995	85.1050	0.2977	85.4027
4238	7351033.450	5044269.348	84.7370	0.2977	85.0347
4239	7351037.892	5044263.890	84.7150	0.2977	85.0127
4240	7350994.225	5044247.239	85.0300	0.2977	85.3277
4241	7350995.423	5044238.113	84.6890	0.2977	84.9867
4242	7351003.193	5044249.004	85.0550	0.2977	85.3527
4243	7351010.859	5044250.861	85.1060	0.2977	85.4037
4244	7351016.951	5044239.005	85.1980	0.2977	85.4957
4245	7351019.499	5044250.229	84.9870	0.2977	85.2847
4246	7351019.088	5044253.289	85.1240	0.2977	85.4217
4247	7351018.045	5044256.522	84.8870	0.2977	85.1847
4248	7351029.202	5044256.644	85.1350	0.2977	85.4327
4249	7351030.226	5044253.783	84.9380	0.2977	85.2357
4250	7351039.029	5044250.309	84.9490	0.2977	85.2467
4251	7351041.109	5044261.599	85.2020	0.2977	85.4997
4252	7351041.861	5044267.700	84.7800	0.2977	85.0777
4253	7351046.947	5044267.166	84.8870	0.2977	85.1847
4254	7351050.577	5044268.136	85.0810	0.2977	85.3787
4255	7351048.323	5044275.174	82.6320	0.2977	82.9297
4256	7351043.213	5044272.360	83.0500	0.2977	83.3477
4257	7351055.749	5044268.667	85.1040	0.2977	85.4017
4258	7351061.338	5044267.463	84.9800	0.2977	85.2777
4259	7351052.928	5044258.124	84.8300	0.2977	85.1277
4260	7350991.166	5044222.421	84.8910	0.2977	85.1887
4261	7351074.249	5044276.639	84.9000	0.2977	85.1977
4262	7351076.542	5044274.605	83.9920	0.2977	84.2897
4263	7351085.399	5044266.155	83.5160	0.2978	83.8138
4264	7351074.756	5044278.657	84.9060	0.2977	85.2037
4265	7351073.338	5044281.219	84.9440	0.2977	85.2417
4266	7351070.557	5044284.742	82.7070	0.2977	83.0047
4267	7351091.264	5044289.688	84.8300	0.2978	85.1278
4268	7351092.635	5044287.676	84.8900	0.2978	85.1878



4269	7351094.225	5044285.984	83.6310	0.2978	83.9288
4270	7351098.756	5044277.803	83.4540	0.2978	83.7518
4271	7351089.735	5044293.781	84.8160	0.2978	85.1138
4272	7351084.770	5044296.270	82.4050	0.2977	82.7027
4273	7351081.358	5044288.836	84.8790	0.2977	85.1767
4274	7351099.724	5044311.216	81.9950	0.2978	82.2928
4275	7351104.920	5044305.275	84.9320	0.2978	85.2298
4276	7351107.073	5044310.004	84.5440	0.2978	84.8418
4277	7351106.957	5044303.238	84.9820	0.2978	85.2798
4278	7351110.597	5044299.677	84.8480	0.2978	85.1458
4279	7351114.033	5044296.342	82.6390	0.2978	82.9368
4280	7351105.114	5044294.437	84.5420	0.2978	84.8398
4281	7351119.460	5044311.750	84.6290	0.2978	84.9268
4282	7351128.058	5044303.020	79.2420	0.2978	79.5398
4283	7351116.962	5044313.731	85.0530	0.2978	85.3508
4284	7351114.879	5044314.912	84.6510	0.2978	84.9488
4285	7351111.139	5044319.572	82.5100	0.2978	82.8078
4286	7351110.850	5044327.217	81.7890	0.2978	82.0868
4287	7351103.578	5044352.086	81.3620	0.2978	81.6598
4288	7351111.855	5044346.193	81.3670	0.2978	81.6648
4289	7351123.994	5044334.557	82.5750	0.2978	82.8728
4290	7351127.743	5044331.047	84.8130	0.2978	85.1108
4291	7351129.989	5044329.172	84.9400	0.2978	85.2378
4292	7351132.242	5044326.442	84.6720	0.2978	84.9698
4293	7351121.016	5044318.245	85.0620	0.2978	85.3598
4294	7351123.319	5044316.641	84.8690	0.2978	85.1668
4295	7351118.229	5044319.632	84.7740	0.2978	85.0718
4296	7351133.852	5044338.886	85.2380	0.2978	85.5358
4297	7351137.506	5044339.386	84.9690	0.2978	85.2668
4298	7351139.505	5044337.716	84.9330	0.2978	85.2308
4299	7351135.593	5044340.251	84.8400	0.2978	85.1378
4300	7351132.522	5044344.946	82.5450	0.2978	82.8428
4301	7351122.354	5044354.126	81.1890	0.2978	81.4868
4302	7351155.466	5044341.713	79.2600	0.2978	79.5578
4303	7351148.670	5044350.506	84.8950	0.2978	85.1928
4304	7351146.787	5044352.449	84.9370	0.2978	85.2348
4305	7351144.614	5044354.029	84.7330	0.2978	85.0308
4306	7351139.527	5044356.182	82.4790	0.2978	82.7768
4307	7351128.491	5044364.691	81.2970	0.2978	81.5948
4308	7351151.451	5044375.761	82.7190	0.2978	83.0168
4309	7351148.923	5044376.334	82.4010	0.2978	82.6988
4310	7351157.020	5044371.231	84.6910	0.2978	84.9888
4311	7351158.932	5044370.097	84.8740	0.2978	85.1718
4312	7351160.566	5044368.558	84.5160	0.2978	84.8138
4313	7351177.453	5044393.011	84.5760	0.2978	84.8738
4314	7351174.914	5044394.349	84.8910	0.2978	85.1888
4315	7351172.774	5044395.514	84.6670	0.2978	84.9648
4316	7351163.037	5044397.878	81.1260	0.2978	81.4238
4317	7351181.798	5044389.908	81.0880	0.2978	81.3858
4318	7351186.081	5044388.819	79.8130	0.2978	80.1108
4319	7351158.219	5044373.806	85.2360	0.2978	85.5338
4320	7351182.659	5044411.813	84.5040	0.2978	84.8018
4321	7351192.524	5044439.474	82.0010	0.2978	82.2988
4322	7351186.582	5044427.178	82.4360	0.2978	82.7338
4323	7351178.791	5044421.891	82.4200	0.2978	82.7178
4324	7351178.556	5044424.230	83.0980	0.2978	83.3958
4325	7351179.151	5044439.472	81.8880	0.2978	82.1858
4326	7351175.094	5044438.953	80.7970	0.2978	81.0948
4327	7351173.126	5044427.672	81.0880	0.2978	81.3858
4328	7351155.829	5044414.537	80.8340	0.2978	81.1318
4329	7351131.632	5044387.543	81.3230	0.2978	81.6208
4330	7351076.133	5044319.386	81.9730	0.2977	82.2707
4331	7351057.619	5044316.451	82.3780	0.2977	82.6757
4332	7351049.486	5044305.950	82.4600	0.2977	82.7577
4333	7350837.927	5044274.175	79.0970	0.2977	79.3947
4334	7350849.301	5044267.397	79.3840	0.2977	79.6817
4335	7350864.237	5044256.730	79.1490	0.2977	79.4467
4336	7350889.219	5044241.733	79.1080	0.2977	79.4057
4337	7350764.846	5044313.300	79.8300	0.2976	80.1276



4338	7350762.904	5044311.159	79.0040	0.2976	79.3016
4339	7350756.261	5044316.082	79.0060	0.2976	79.3036
4340	7350754.655	5044319.736	79.8120	0.2976	80.1096
4341	7350754.058	5044319.493	79.1050	0.2976	79.4026
4342	7350753.804	5044321.343	79.8280	0.2976	80.1256
4343	7350753.441	5044323.229	79.8160	0.2976	80.1136
4344	7350752.165	5044323.095	79.0550	0.2976	79.3526
4345	7350756.843	5044333.774	79.9410	0.2976	80.2386
4346	7350747.391	5044339.078	79.0240	0.2976	79.3216
4347	7350750.875	5044333.243	79.1220	0.2976	79.4196
4348	7350729.683	5044355.928	79.8760	0.2976	80.1736
4349	7350728.708	5044355.042	79.1130	0.2976	79.4106
4350	7350904.218	5044651.557	82.1790	0.2977	82.4767
4351	7350902.679	5044648.473	80.7200	0.2977	81.0177
4352	7350900.497	5044645.198	80.3330	0.2977	80.6307
4353	7350930.729	5044631.444	82.1050	0.2977	82.4027
4354	7350929.029	5044628.250	80.5030	0.2977	80.8007
4355	7350933.737	5044637.289	83.1030	0.2977	83.4007
4356	7350959.127	5044612.462	82.0880	0.2977	82.3857
4357	7350957.414	5044608.860	81.3240	0.2977	81.6217
4358	7350955.395	5044610.958	80.6980	0.2977	80.9957
4359	7350971.463	5044609.363	84.3500	0.2977	84.6477
4360	7350956.469	5044593.312	80.6210	0.2977	80.9187
4361	7350952.593	5044593.384	80.7890	0.2977	81.0867
4362	7350943.704	5044583.764	80.8030	0.2977	81.1007
4363	7350944.777	5044589.002	79.4050	0.2977	79.7027
4364	7350947.567	5044592.448	79.6700	0.2977	79.9677
4365	7350944.255	5044594.431	79.4710	0.2977	79.7687
4366	7350944.070	5044594.675	79.4800	0.2977	79.7777
4367	7350946.035	5044598.197	80.6860	0.2977	80.9837
4368	7350942.940	5044576.356	79.6490	0.2977	79.9467
4369	7350932.830	5044561.505	80.4240	0.2977	80.7217
4370	7350908.565	5044571.405	80.3400	0.2977	80.6377
4371	7350901.524	5044552.926	79.9360	0.2977	80.2337
4372	7350882.019	5044555.860	80.2480	0.2977	80.5457
4373	7350861.304	5044563.495	79.4320	0.2977	79.7297
4374	7350870.707	5044577.552	79.5980	0.2977	79.8957
4375	7350886.010	5044594.173	79.7830	0.2977	80.0807
4376	7350897.783	5044609.958	79.8880	0.2977	80.1857
4377	7350901.804	5044613.896	81.1940	0.2977	81.4917
4378	7350905.490	5044616.396	79.5850	0.2977	79.8827
4379	7350907.918	5044618.936	79.4120	0.2977	79.7097
4380	7350906.649	5044626.385	81.1620	0.2977	81.4597
4381	7350908.783	5044629.617	80.4180	0.2977	80.7157
4382	7350893.120	5044621.386	81.0620	0.2977	81.3597
4383	7350893.437	5044624.335	79.9480	0.2977	80.2457
4384	7350890.279	5044623.848	79.8590	0.2977	80.1567
4385	7350886.893	5044618.810	80.2250	0.2977	80.5227
4386	7350879.896	5044623.404	79.5140	0.2977	79.8117
4387	7350879.867	5044632.417	80.6670	0.2977	80.9647
4388	7350881.228	5044631.378	80.6120	0.2977	80.9097
4389	7350885.509	5044631.231	79.5040	0.2977	79.8017
4390	7350880.572	5044636.619	79.2760	0.2977	79.5737
4391	7350884.467	5044639.266	80.1270	0.2977	80.4247
4392	7350887.271	5044639.520	80.1320	0.2977	80.4297
4393	7350863.563	5044627.305	79.3990	0.2977	79.6967
4394	7350866.817	5044623.809	80.6430	0.2977	80.9407
4395	7350867.929	5044622.809	80.6070	0.2977	80.9047
4396	7350870.382	5044619.065	79.9660	0.2977	80.2637
4397	7350863.787	5044617.926	80.7840	0.2977	81.0817
4398	7350851.820	5044612.317	80.9300	0.2977	81.2277
4399	7350844.533	5044615.561	79.5040	0.2977	79.8017
4400	7350835.355	5044611.015	79.7460	0.2977	80.0437
4401	7350839.465	5044617.356	80.9110	0.2977	81.2087
4402	7350842.238	5044616.323	79.7950	0.2977	80.0927
4403	7350835.430	5044622.235	80.3730	0.2977	80.6707
4404	7350843.502	5044634.894	80.2270	0.2977	80.5247
4405	7350846.152	5044633.384	80.5270	0.2977	80.8247
4406	7350849.475	5044631.224	79.3900	0.2977	79.6877



4407	7350857.860	5044642.043	79.2800	0.2977	79.5777
4408	7350856.127	5044645.585	80.2420	0.2977	80.5397
4409	7350874.234	5044650.878	79.5710	0.2977	79.8687
4410	7350874.965	5044655.937	80.8840	0.2977	81.1817
4411	7350870.821	5044657.261	80.2570	0.2977	80.5547
4412	7350877.727	5044659.211	80.6770	0.2977	80.9747
4413	7350877.668	5044659.243	80.7670	0.2977	81.0647
sp37a	7350454.759	5044655.597	80.8240	0.2975	81.1215
sp37b	7350454.759	5044655.590	80.8290	0.2975	81.1265
sp37c	7350454.758	5044655.583	80.8330	0.2975	81.1305
sp38a	7350491.187	5044630.747	81.0810	0.2976	81.3786
sp38b	7350491.185	5044630.744	81.0800	0.2976	81.3776
sp38c	7350491.190	5044630.746	81.0760	0.2976	81.3736
4414	7350379.594	5044628.900	79.5560	0.2975	79.8535
4415	7350367.387	5044638.903	81.9950	0.2975	82.2925
4416	7350360.906	5044636.058	79.3860	0.2975	79.6835
4417	7350362.130	5044641.731	80.9900	0.2975	81.2875
4418	7350356.449	5044644.070	79.4570	0.2975	79.7545
4419	7350357.684	5044638.920	79.3860	0.2975	79.6835
4420	7350358.644	5044647.367	80.6020	0.2975	80.8995
4421	7350356.819	5044655.330	79.5130	0.2975	79.8105
4422	7350362.363	5044666.596	81.3900	0.2975	81.6875
4423	7350356.423	5044665.075	79.5640	0.2975	79.8615
4424	7350368.065	5044663.138	83.4570	0.2975	83.7545
4425	7350363.447	5044645.948	83.3090	0.2975	83.6065
4426	7350354.378	5044679.425	79.6810	0.2975	79.9785
4427	7350348.685	5044691.937	79.6080	0.2975	79.9055
sp41a	7350610.865	5044538.177	80.9630	0.2976	81.2606
sp41b	7350610.863	5044538.171	80.9640	0.2976	81.2616
sp41c	7350610.862	5044538.170	80.9620	0.2976	81.2596
sp42a	7350638.529	5044505.499	80.9270	0.2976	81.2246
sp42b	7350638.541	5044505.502	80.9330	0.2976	81.2306
sp42c	7350638.543	5044505.501	80.9450	0.2976	81.2426
4575	7350610.715	5044571.284	80.6550	0.2976	80.9526
4576	7350597.176	5044590.110	80.5060	0.2976	80.8036
4577	7350582.744	5044604.608	80.6990	0.2976	80.9966
4578	7350572.922	5044617.793	80.2890	0.2976	80.5866
4579	7350580.798	5044636.734	80.6450	0.2976	80.9426
4580	7350595.994	5044625.699	80.9400	0.2976	81.2376
4581	7350601.031	5044653.612	80.8840	0.2976	81.1816
4582	7350616.650	5044667.697	80.8160	0.2976	81.1136
4583	7350638.998	5044658.626	80.3150	0.2976	80.6126
4584	7350653.538	5044677.841	80.3630	0.2976	80.6606
4585	7350639.377	5044691.089	80.3170	0.2976	80.6146
4586	7350705.144	5044642.022	80.2130	0.2976	80.5106
4587	7350688.458	5044620.720	80.5040	0.2976	80.8016
4588	7350728.931	5044592.605	80.2820	0.2976	80.5796
4589	7350742.575	5044621.616	79.9720	0.2976	80.2696
4590	7350748.579	5044634.839	79.1090	0.2976	79.4066
4591	7350762.530	5044657.486	80.3600	0.2976	80.6576
4592	7350795.064	5044688.538	80.0810	0.2977	80.3787
4593	7350811.952	5044675.060	79.9930	0.2977	80.2907
4594	7350824.542	5044663.260	80.0740	0.2977	80.3717
4595	7350843.652	5044651.000	80.2490	0.2977	80.5467
4596	7350859.166	5044668.223	80.1040	0.2977	80.4017
4597	7350837.107	5044682.889	80.1600	0.2977	80.4577
4598	7350806.601	5044704.445	79.9890	0.2977	80.2867
4599	7350795.700	5044703.250	80.0520	0.2977	80.3497
4600	7350779.039	5044713.341	79.6870	0.2976	79.9846
4601	7350773.782	5044707.659	79.6980	0.2976	79.9956
4602	7350753.081	5044721.901	79.7150	0.2976	80.0126
4603	7350760.122	5044739.594	80.0240	0.2976	80.3216
4604	7350757.117	5044739.300	79.6190	0.2976	79.9166
4605	7350745.541	5044747.282	79.5220	0.2976	79.8196
4606	7350746.620	5044748.749	80.1410	0.2976	80.4386
4607	7350750.187	5044754.520	80.7640	0.2976	81.0616
4608	7350740.848	5044746.386	79.4680	0.2976	79.7656
4609	7350735.179	5044738.375	79.4840	0.2976	79.7816
4610	7350733.594	5044736.681	79.8450	0.2976	80.1426



4611	7350734.272	5044732.779	79.4570	0.2976	79.7546
4612	7350736.066	5044725.643	79.4080	0.2976	79.7056
4613	7350741.198	5044720.316	79.5000	0.2976	79.7976
4614	7350750.751	5044723.851	79.5210	0.2976	79.8186
4615	7350728.995	5044739.553	79.8570	0.2976	80.1546
4616	7350717.928	5044761.571	80.2060	0.2976	80.5036
4617	7350727.337	5044759.596	79.9370	0.2976	80.2346
4618	7350694.160	5044785.668	80.3410	0.2976	80.6386
4619	7350683.425	5044770.242	80.1430	0.2976	80.4406
4620	7350664.309	5044784.347	79.5900	0.2976	79.8876
4621	7350677.710	5044799.015	80.1860	0.2976	80.4836
4622	7350650.380	5044770.840	80.8670	0.2976	81.1646
4623	7350634.287	5044752.133	80.2100	0.2976	80.5076
4624	7350587.734	5044744.371	80.5990	0.2976	80.8966
4625	7350610.993	5044767.588	80.4450	0.2976	80.7426
4626	7350627.908	5044786.849	80.4910	0.2976	80.7886
4627	7350641.567	5044807.477	80.0940	0.2976	80.3916
4628	7350582.740	5044821.785	80.1480	0.2976	80.4456
4629	7350569.794	5044831.767	80.1890	0.2976	80.4866
4630	7350563.614	5044835.903	80.9340	0.2976	81.2316
4631	7350552.920	5044842.447	80.2210	0.2976	80.5186
4632	7350542.954	5044847.869	80.8740	0.2976	81.1716
4633	7350529.638	5044857.408	80.2950	0.2976	80.5926
4634	7350513.173	5044835.776	81.2390	0.2976	81.5366
4635	7350503.247	5044839.105	81.4380	0.2976	81.7356
4636	7350496.385	5044806.432	80.7970	0.2976	81.0946
4637	7350502.297	5044799.024	81.3780	0.2976	81.6756
4638	7350508.089	5044804.308	80.6650	0.2976	80.9626
4639	7350514.388	5044792.226	80.6820	0.2976	80.9796
4640	7350524.735	5044782.330	79.9120	0.2976	80.2096
4641	7350531.902	5044774.248	80.6190	0.2976	80.9166
4642	7350546.585	5044763.566	80.6270	0.2976	80.9246
4643	7350535.068	5044740.445	81.1390	0.2976	81.4366
4644	7350515.547	5044753.976	81.1900	0.2976	81.4876
4645	7350508.646	5044754.932	79.9090	0.2976	80.2066
4646	7350499.672	5044756.953	80.0450	0.2976	80.3426
4647	7350489.484	5044761.651	81.0840	0.2976	81.3816
4648	7350481.703	5044768.833	80.5990	0.2975	80.8965
4649	7350485.537	5044745.998	81.1830	0.2975	81.4805
4650	7350498.659	5044741.293	80.4650	0.2976	80.7626
4651	7350504.998	5044739.355	81.1140	0.2976	81.4116
4652	7350506.131	5044735.246	81.1400	0.2976	81.4376
4653	7350501.503	5044732.723	80.8850	0.2976	81.1826
4654	7350497.924	5044716.332	80.8270	0.2976	81.1246
4655	7350507.201	5044717.304	81.2780	0.2976	81.5756
4656	7350501.744	5044701.684	80.9470	0.2976	81.2446
4657	7350516.684	5044695.480	81.1520	0.2976	81.4496
4658	7350528.162	5044689.143	81.1220	0.2976	81.4196
4659	7350545.268	5044676.294	80.9750	0.2976	81.2726
4660	7350506.028	5044684.131	80.8870	0.2976	81.1846
4661	7350494.782	5044690.391	80.2630	0.2976	80.5606
4662	7350484.350	5044686.908	80.6330	0.2976	80.9306
4663	7350479.141	5044674.303	80.3320	0.2975	80.6295
4664	7350475.639	5044652.189	80.8190	0.2975	81.1165
4665	7350923.356	5044577.536	80.1760	0.2977	80.4737
4666	7350909.726	5044589.993	79.8930	0.2977	80.1907
4667	7350895.013	5044580.926	80.1730	0.2977	80.4707
4668	7350876.307	5044608.460	80.7670	0.2977	81.0647
4669	7350878.288	5044606.026	80.2750	0.2977	80.5727
4670	7350872.479	5044612.395	79.8480	0.2977	80.1457
4671	7350866.946	5044607.192	80.8840	0.2977	81.1817
4672	7350861.819	5044601.134	80.9160	0.2977	81.2137
4673	7350859.780	5044586.704	80.4840	0.2977	80.7817
4674	7350853.285	5044580.544	79.3930	0.2977	79.6907
4675	7350783.127	5044570.344	80.6480	0.2977	80.9457
4676	7350778.977	5044565.665	82.6070	0.2976	82.9046
4677	7351044.342	5044603.444	84.2610	0.2977	84.5587
4678	7351074.288	5044616.654	81.3220	0.2977	81.6197
4679	7351063.730	5044605.673	82.7380	0.2977	83.0357



4680	7351059.991	5044591.634	84.4720	0.2977	84.7697
4681	7351055.651	5044583.278	87.1060	0.2977	87.4037
4682	7351053.571	5044580.019	87.6050	0.2977	87.9027
4683	7351049.743	5044575.222	87.6720	0.2977	87.9697
4684	7351048.296	5044573.162	87.5680	0.2977	87.8657
4685	7351050.190	5044562.466	84.5200	0.2977	84.8177
4686	7351039.747	5044591.715	87.5290	0.2977	87.8267
4687	7351001.521	5044597.221	87.4340	0.2977	87.7317
4688	7350990.017	5044590.512	87.3010	0.2977	87.5987
4689	7350972.233	5044565.863	86.6080	0.2977	86.9057
6001	7351184.811	5044486.907	87.4910	0.2978	87.7888
6002	7351184.706	5044486.501	87.4460	0.2978	87.7438
6003	7351181.087	5044487.848	87.5510	0.2978	87.8488
6004	7351180.940	5044487.389	87.5070	0.2978	87.8048
6005	7351177.405	5044488.985	87.6550	0.2978	87.9528
6006	7351177.233	5044488.518	87.6110	0.2978	87.9088
6007	7351173.343	5044490.395	87.7190	0.2978	88.0168
6008	7351173.198	5044489.901	87.6690	0.2978	87.9668
6009	7351172.300	5044489.213	87.6450	0.2978	87.9428
6010	7351169.779	5044491.806	87.7580	0.2978	88.0558
6011	7351169.639	5044491.559	87.6930	0.2978	87.9908
6012	7351170.993	5044496.031	87.5680	0.2978	87.8658
6013	7351170.995	5044500.028	87.3970	0.2978	87.6948
6014	7351171.435	5044500.405	87.3210	0.2978	87.6188
6015	7351174.871	5044498.491	87.2500	0.2978	87.5478
6016	7351175.110	5044498.926	87.2470	0.2978	87.5448
6017	7351178.922	5044497.170	87.1950	0.2978	87.4928
6018	7351179.041	5044497.733	87.1270	0.2978	87.4248
6019	7351178.277	5044493.563	87.4350	0.2978	87.7328
6020	7351182.844	5044496.381	87.0990	0.2978	87.3968
6021	7351182.963	5044497.007	87.0010	0.2978	87.2988
6022	7351186.838	5044496.031	86.9850	0.2978	87.2828
6023	7351186.949	5044496.537	86.8850	0.2978	87.1828
6024	7351186.521	5044491.943	87.2210	0.2978	87.5188
6025	7351190.863	5044495.846	86.8690	0.2978	87.1668
6026	7351190.896	5044496.340	86.8220	0.2978	87.1198
6027	7351194.922	5044495.862	86.7570	0.2978	87.0548
6028	7351194.882	5044496.403	86.6790	0.2978	86.9768
6029	7351195.281	5044491.379	86.9890	0.2978	87.2868
6030	7351194.410	5044498.867	86.3540	0.2978	86.6518
6031	7351190.276	5044498.751	86.4450	0.2978	86.7428
6032	7351185.308	5044499.140	86.4640	0.2978	86.7618
6033	7351179.877	5044501.082	86.5820	0.2978	86.8798
6034	7351173.734	5044502.730	86.9060	0.2978	87.2038
6035	7351164.431	5044489.987	87.4280	0.2978	87.7258
6036	7351167.588	5044487.992	87.3600	0.2978	87.6578
6037	7351171.561	5044485.773	87.5440	0.2978	87.8418
6038	7351169.159	5044483.527	86.0000	0.2978	86.2978
6039	7351176.879	5044481.384	87.2340	0.2978	87.5318
6040	7351175.137	5044477.917	85.4060	0.2978	85.7038
6041	7351181.464	5044478.753	87.2530	0.2978	87.5508
6042	7351181.452	5044474.526	85.5080	0.2978	85.8058
6043	7351186.788	5044475.831	87.3610	0.2978	87.6588
6044	7351191.047	5044471.525	87.2170	0.2978	87.5148
6045	7351189.958	5044467.509	85.3590	0.2978	85.6568
6046	7351186.053	5044469.505	85.1370	0.2978	85.4348
6047	7351196.111	5044468.607	87.6050	0.2978	87.9028
6048	7351199.287	5044468.546	86.9500	0.2978	87.2478
6049	7351203.417	5044469.813	86.8510	0.2978	87.1488
6050	7351202.017	5044473.291	86.7390	0.2978	87.0368
6051	7351200.543	5044479.283	86.7430	0.2978	87.0408
6052	7351193.479	5044482.681	87.2460	0.2978	87.5438
6053	7351185.177	5044482.846	87.3670	0.2978	87.6648
6054	7351177.483	5044485.340	87.5240	0.2978	87.8218
6055	7351170.724	5044488.654	87.7250	0.2978	88.0228
6056	7351206.008	5044472.403	85.7450	0.2978	86.0428
6057	7351206.194	5044468.784	85.4840	0.2978	85.7818
6058	7351204.491	5044466.460	85.1720	0.2978	85.4698
6059	7351200.369	5044464.521	84.6780	0.2978	84.9758



6060	7351197.278	5044462.530	84.2500	0.2978	84.5478
6061	7351193.567	5044461.156	84.0320	0.2978	84.3298
6062	7351190.026	5044461.311	83.7830	0.2978	84.0808
6063	7351185.480	5044463.775	83.5160	0.2978	83.8138
6064	7351180.199	5044466.023	83.0790	0.2978	83.3768
6065	7351170.168	5044472.100	82.4710	0.2978	82.7688
6066	7351203.329	5044461.308	84.8270	0.2978	85.1248
6067	7351207.910	5044462.885	85.3230	0.2978	85.6208
6068	7351212.459	5044464.404	85.0660	0.2978	85.3638
6069	7351217.941	5044466.866	84.7680	0.2978	85.0658
6070	7351215.345	5044463.906	84.8810	0.2978	85.1788
6071	7351222.149	5044471.643	84.6700	0.2978	84.9678
6072	7351225.653	5044475.133	85.7240	0.2978	86.0218
6073	7351220.781	5044473.216	85.4380	0.2978	85.7358
6074	7351217.366	5044469.799	85.2750	0.2978	85.5728
6075	7351210.920	5044473.972	85.9780	0.2978	86.2758
6076	7351213.983	5044477.301	85.8080	0.2978	86.1058
6077	7351218.466	5044481.016	85.3840	0.2978	85.6818
6078	7351232.170	5044476.532	85.1530	0.2978	85.4508
6079	7351234.112	5044474.970	84.1850	0.2978	84.4828
6080	7351232.081	5044470.847	84.5360	0.2978	84.8338
6081	7351230.265	5044470.989	85.1180	0.2978	85.4158
6082	7351227.609	5044469.534	84.8090	0.2978	85.1068
6083	7351225.031	5044466.174	84.8110	0.2978	85.1088
6084	7351221.919	5044461.996	84.7500	0.2978	85.0478
6085	7351219.450	5044458.437	84.7690	0.2978	85.0668
6086	7351229.439	5044467.622	85.3710	0.2978	85.6688
6087	7351231.681	5044467.725	85.1210	0.2978	85.4188
6088	7351227.586	5044464.013	85.9060	0.2978	86.2038
6089	7351225.035	5044458.527	86.5800	0.2978	86.8778
6090	7351223.836	5044455.098	87.2060	0.2978	87.5038
6091	7351228.427	5044455.113	87.1170	0.2978	87.4148
6092	7351229.526	5044451.678	87.2050	0.2978	87.5028
6093	7351231.368	5044459.754	86.0930	0.2978	86.3908
6094	7351234.832	5044464.050	85.0690	0.2978	85.3668
6095	7351238.239	5044470.027	84.0670	0.2978	84.3648
6096	7351244.728	5044465.596	83.7050	0.2978	84.0028
6097	7351242.625	5044462.305	84.1410	0.2978	84.4388
6098	7351241.166	5044460.572	84.7550	0.2978	85.0528
6099	7351237.529	5044456.364	85.8730	0.2978	86.1708
6100	7351234.557	5044452.069	86.8630	0.2978	87.1608
6101	7351233.762	5044449.800	87.3150	0.2978	87.6128
6102	7351233.318	5044448.559	86.7940	0.2978	87.0918
6103	7351232.998	5044446.855	87.5610	0.2978	87.8588
6104	7351227.710	5044449.534	87.5520	0.2978	87.8498
6105	7351228.716	5044450.890	86.7740	0.2978	87.0718
6106	7351237.595	5044449.289	87.0610	0.2978	87.3588
6107	7351237.610	5044448.226	86.7110	0.2978	87.0088
6108	7351237.695	5044446.930	87.3890	0.2978	87.6868
6109	7351240.991	5044446.737	87.1530	0.2978	87.4508
6110	7351241.940	5044447.496	86.8880	0.2978	87.1858
6111	7351241.607	5044448.884	86.7830	0.2978	87.0808
6112	7351240.872	5044447.931	86.2650	0.2978	86.5628
6113	7351243.047	5044450.107	86.1140	0.2978	86.4118
6114	7351244.983	5044452.486	85.4400	0.2978	85.7378
6115	7351247.620	5044455.971	84.5840	0.2978	84.8818
6116	7351251.591	5044460.258	83.4940	0.2978	83.7918
6117	7351256.452	5044455.437	83.8190	0.2978	84.1168
6118	7351255.135	5044452.437	84.0040	0.2978	84.3018
6119	7351253.692	5044450.392	84.8050	0.2978	85.1028
6120	7351251.838	5044447.894	85.4030	0.2978	85.7008
6121	7351250.371	5044446.040	85.8390	0.2978	86.1368
6122	7351248.377	5044443.055	86.5090	0.2978	86.8068
6123	7351246.766	5044440.218	87.2010	0.2978	87.4988
6124	7351252.544	5044436.274	87.0930	0.2978	87.3908
6125	7351254.613	5044439.348	86.3260	0.2978	86.6238
6126	7351256.626	5044442.093	85.7050	0.2978	86.0028
6127	7351258.478	5044444.798	85.1230	0.2978	85.4208
6128	7351260.143	5044447.341	84.5780	0.2978	84.8758



6129	7351260.995	5044448.827	84.1770	0.2978	84.4748
6130	7351263.426	5044451.656	83.7910	0.2978	84.0888
6131	7351268.516	5044447.696	83.7780	0.2978	84.0758
6132	7351267.545	5044445.622	83.9650	0.2978	84.2628
6133	7351266.501	5044443.772	84.4390	0.2978	84.7368
6134	7351263.655	5044440.570	85.0940	0.2978	85.3918
6135	7351260.532	5044435.913	86.2330	0.2978	86.5308
6136	7351257.536	5044432.587	87.1150	0.2978	87.4128
6137	7351256.068	5044426.014	87.1030	0.2978	87.4008
6138	7351257.966	5044422.016	86.4080	0.2978	86.7058
6139	7351260.398	5044419.448	86.3150	0.2978	86.6128
6140	7351262.216	5044421.676	87.2810	0.2978	87.5788
6141	7351252.433	5044427.925	87.1810	0.2978	87.4788
6142	7351264.369	5044418.930	87.2650	0.2978	87.5628
6143	7351269.511	5044415.808	88.1720	0.2978	88.4698
6144	7351272.694	5044411.751	90.1830	0.2978	90.4808
6145	7351269.693	5044406.038	90.5020	0.2978	90.7998
6146	7351270.899	5044406.425	90.5840	0.2978	90.8818
6147	7351271.615	5044406.042	90.9960	0.2978	91.2938
6148	7351272.068	5044405.780	91.2380	0.2978	91.5358
6149	7351273.371	5044405.019	91.2150	0.2978	91.5128
6150	7351273.932	5044404.855	90.9210	0.2978	91.2188
6151	7351274.863	5044404.476	90.4830	0.2978	90.7808
6152	7351279.862	5044412.586	90.5100	0.2978	90.8078
6153	7351279.006	5044413.137	90.9480	0.2978	91.2458
6154	7351278.692	5044413.507	91.1580	0.2978	91.4558
6155	7351277.507	5044414.411	91.1610	0.2978	91.4588
6156	7351276.948	5044414.738	90.9450	0.2978	91.2428
6157	7351276.303	5044415.169	90.4860	0.2978	90.7838
6158	7351275.311	5044416.439	90.2550	0.2978	90.5528
6159	7351279.355	5044423.809	90.0550	0.2978	90.3528
6160	7351280.852	5044422.758	90.4110	0.2978	90.7088
6161	7351281.769	5044422.258	90.9420	0.2978	91.2398
6162	7351282.207	5044421.986	91.1350	0.2978	91.4328
6163	7351283.511	5044421.175	91.1210	0.2978	91.4188
6164	7351284.149	5044420.848	90.9960	0.2978	91.2938
6165	7351284.989	5044420.186	90.4200	0.2978	90.7178
6166	7351285.769	5044419.307	90.0360	0.2978	90.3338
6167	7351290.130	5044425.679	89.8380	0.2978	90.1358
6168	7351289.097	5044426.905	90.3770	0.2978	90.6748
6169	7351288.246	5044427.575	90.9300	0.2978	91.2278
6170	7351287.672	5044427.854	91.0930	0.2978	91.3908
6171	7351286.412	5044428.651	91.0810	0.2978	91.3788
6172	7351285.826	5044429.063	90.8850	0.2978	91.1828
6173	7351285.062	5044429.287	90.4720	0.2978	90.7698
6174	7351283.725	5044430.565	90.1120	0.2978	90.4098
6175	7351289.959	5044440.325	89.9440	0.2978	90.2418
6176	7351291.386	5044439.557	90.3530	0.2978	90.6508
6177	7351292.327	5044439.088	90.8380	0.2978	91.1358
6178	7351292.729	5044438.799	91.0090	0.2978	91.3068
6179	7351294.051	5044438.041	91.0000	0.2978	91.2978
6180	7351294.641	5044437.798	90.8040	0.2978	91.1018
6181	7351295.592	5044437.139	90.2510	0.2978	90.5488
6182	7351296.512	5044436.380	89.8270	0.2978	90.1248
6183	7351271.733	5044420.483	87.7010	0.2978	87.9988
6184	7351274.599	5044426.293	88.8980	0.2978	89.1958
6185	7351276.674	5044425.164	87.8370	0.2978	88.1348
6186	7351264.096	5044435.260	85.9220	0.2978	86.2198
6187	7351267.171	5044429.520	86.5080	0.2978	86.8058
6188	7351267.801	5044425.571	87.1680	0.2978	87.4658
6189	7351269.451	5044423.410	87.3560	0.2978	87.6538
6190	7351266.899	5044423.134	87.4870	0.2978	87.7848
6191	7351263.777	5044426.787	87.3410	0.2978	87.6388
6192	7351268.146	5044437.665	85.1930	0.2978	85.4908
6193	7351272.699	5044439.846	84.7110	0.2978	85.0088
6194	7351272.886	5044444.889	84.0150	0.2978	84.3128
6195	7351273.670	5044448.446	83.7610	0.2978	84.0588
6196	7351278.511	5044449.130	83.8430	0.2978	84.1408
6197	7351278.253	5044444.269	84.1100	0.2978	84.4078



6198	7351277.580	5044435.370	85.0660	0.2978	85.3638
6199	7351277.702	5044435.324	84.8620	0.2978	85.1598
6200	7351274.741	5044437.744	84.7780	0.2978	85.0758
6201	7351280.520	5044441.375	84.2390	0.2978	84.5368
6202	7351274.873	5044441.870	84.3310	0.2978	84.6288
6203	7351278.594	5044448.378	83.8820	0.2978	84.1798
6204	7351286.225	5044451.317	83.9990	0.2978	84.2968
6205	7351276.228	5044430.415	86.7410	0.2978	87.0388
6206	7351275.764	5044430.739	85.0550	0.2978	85.3528
6207	7351242.616	5044444.646	87.1200	0.2978	87.4178
6208	7351243.411	5044441.960	87.2230	0.2978	87.5208
6209	7351224.928	5044479.752	84.8200	0.2978	85.1178
6210	7351206.326	5044475.610	86.0960	0.2978	86.3938
6211	7351211.337	5044483.427	86.8310	0.2978	87.1288
6212	7351212.038	5044478.534	86.3880	0.2978	86.6858
6213	7351203.410	5044484.376	87.0790	0.2978	87.3768

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GriderWeb Korisnik: Geosystem doo

Gaus-Krigerova projekcija - Bessel

	7. sistem		6. sistem	
1	7350587.123	5044979.202	6584870.649	5043773.029
2	7350587.983	5044979.232	6584871.507	5043773.091
3	7350590.614	5044979.352	6584874.131	5043773.309
4	7350579.741	5044979.572	6584863.260	5043773.123
5	7350570.438	5044980.612	6584853.926	5043773.814
6	7350579.831	5044970.309	6584863.696	5043763.871
7	7350587.313	5044969.889	6584871.187	5043763.731
8	7350588.203	5044970.009	6584872.072	5043763.884
9	7350590.584	5044970.089	6584874.448	5043764.053
10	7350591.284	5044960.036	6584875.522	5043754.035
11	7350589.064	5044960.256	6584873.296	5043754.172
12	7350588.243	5044959.756	6584872.495	5043753.642
13	7350581.382	5044958.306	6584865.694	5043751.937
14	7350582.862	5044948.053	6584867.556	5043741.748
15	7350590.034	5044948.933	6584874.688	5043742.895
16	7350590.894	5044949.133	6584875.540	5043743.127
17	7350593.065	5044949.833	6584877.683	5043743.908
18	7350594.605	5044942.581	6584879.493	5043736.720
19	7350592.605	5044942.071	6584877.513	5043736.135
19	7350592.545	5044942.081	6584877.453	5043736.143
20	7350591.765	5044941.781	6584876.685	5043735.814
21	7350584.643	5044939.410	6584869.658	5043733.179
22	7350572.729	5044935.389	6584857.905	5043728.717
23	7350587.974	5044930.097	6584873.334	5043723.999
24	7350594.505	5044932.118	6584879.784	5043726.262
25	7350595.566	5044932.278	6584880.838	5043726.462
26	7350597.766	5044932.798	6584883.016	5043727.063
27	7350600.307	5044925.966	6584885.810	5043720.332
28	7350598.287	5044925.736	6584883.801	5043720.027
29	7350597.276	5044925.136	6584882.813	5043719.390
30	7350591.045	5044922.155	6584876.699	5043716.179
31	7350595.176	5044913.372	6584881.154	5043707.558
32	7350600.997	5044916.883	6584886.839	5043711.283
33	7350601.948	5044917.403	6584887.770	5043711.838
34	7350604.068	5044918.534	6584889.846	5043713.047
35	7350607.379	5044911.852	6584893.403	5043706.495
36	7350605.259	5044910.771	6584891.325	5043705.336
37	7350604.608	5044910.121	6584890.699	5043704.662
38	7350599.087	5044906.120	6584885.333	5043700.458
39	7350603.178	5044899.778	6584889.657	5043694.275
40	7350608.740	5044903.099	6584895.090	5043697.801
41	7350609.780	5044903.279	6584896.122	5043698.019
42	7350611.290	5044903.899	6584897.608	5043698.695
43	7350615.251	5044898.048	6584901.784	5043692.997
44	7350614.311	5044897.047	6584900.882	5043691.962
45	7350613.671	5044896.297	6584900.271	5043691.189
46	7350609.050	5044892.206	6584895.807	5043686.929
47	7350613.881	5044886.504	6584900.846	5043681.412
48	7350618.342	5044890.605	6584905.150	5043685.676
49	7350619.373	5044890.956	6584906.167	5043686.066
50	7350620.943	5044891.666	6584907.709	5043686.834
51	7350627.645	5044884.614	6584914.669	5043680.038
52	7350626.445	5044883.223	6584913.522	5043678.604
52	7350626.475	5044883.253	6584913.551	5043678.635
53	7350625.824	5044882.723	6584912.920	5043678.081
54	7350621.213	5044879.142	6584908.447	5043674.331
55	7350620.483	5044878.512	6584907.741	5043673.674
56	7350618.683	5044876.451	6584906.020	5043671.548



57	7350610.220	5044883.123	6584897.315	5043677.898
58	7350613.511	5044885.744	6584900.505	5043680.639
59	7350609.910	5044889.745	6584896.758	5043684.502
60	7350626.305	5044869.799	6584913.883	5043665.186
61	7350628.385	5044871.500	6584915.898	5043666.963
62	7350629.145	5044872.000	6584916.639	5043667.491
63	7350632.997	5044876.251	6584920.328	5043671.882
64	7350633.587	5044876.691	6584920.902	5043672.344
65	7350635.357	5044878.382	6584922.607	5043674.100
66	7350641.889	5044873.440	6584929.318	5043669.406
67	7350640.349	5044871.350	6584927.857	5043667.260
68	7350639.898	5044870.800	6584927.427	5043666.694
69	7350636.007	5044866.518	6584923.699	5043662.271
70	7350635.417	5044866.008	6584923.129	5043661.739
71	7350634.147	5044863.938	6584921.937	5043659.623
72	7350641.999	5044858.136	6584929.999	5043654.120
73	7350643.840	5044859.806	6584931.776	5043655.857
74	7350644.190	5044860.426	6584932.103	5043656.490
75	7350647.891	5044864.848	6584935.635	5043661.046
76	7350648.311	5044865.488	6584936.031	5043661.701
77	7350649.791	5044867.629	6584937.430	5043663.895
78	7350660.714	5044859.556	6584948.645	5043656.238
79	7350659.244	5044857.846	6584947.240	5043654.474
80	7350658.794	5044857.145	6584946.816	5043653.757
81	7350655.453	5044852.284	6584943.660	5043648.776
82	7350655.163	5044851.784	6584943.389	5043648.265
83	7350653.392	5044849.783	6584941.694	5043646.200
84	7350665.536	5044844.262	6584954.034	5043641.137
85	7350676.749	5044834.069	6584965.618	5043631.372
86	7350678.279	5044836.229	6584967.066	5043633.587
87	7350681.930	5044840.711	6584970.546	5043638.202
88	7350684.131	5044843.882	6584972.626	5043641.452
89	7350693.494	5044834.589	6584982.328	5043632.517
90	7350688.642	5044827.197	6584977.757	5043624.950
91	7350698.315	5044817.954	6584987.766	5043616.077
92	7350700.416	5044820.645	6584989.765	5043618.844
93	7350703.466	5044825.546	6584992.629	5043623.855
94	7350705.197	5044828.257	6584994.258	5043626.628
95	7350723.512	5044815.073	6585013.049	5043614.140
96	7350721.601	5044812.862	6585011.222	5043611.859
97	7350718.071	5044808.211	6585007.869	5043607.081
98	7350716.030	5044805.800	6585005.920	5043604.595
99	7350736.366	5044792.226	6585026.745	5043591.793
100	7350737.516	5044794.367	6585027.814	5043593.975
101	7350740.977	5044799.198	6585031.091	5043598.931
102	7350742.747	5044801.889	6585032.759	5043601.686
103	7350762.733	5044787.865	6585053.252	5043588.421
104	7350760.662	5044785.194	6585051.282	5043585.675
105	7350757.382	5044780.533	6585048.179	5043580.896
106	7350756.401	5044779.022	6585047.256	5043579.349
107	7350775.877	5044765.628	6585067.215	5043566.695
108	7350776.857	5044766.879	6585068.147	5043567.981
109	7350780.178	5044771.440	6585071.295	5043572.662
110	7350781.608	5044773.061	6585072.663	5043574.335
111	7350789.251	5044766.219	6585080.555	5043567.785
112	7350792.001	5044763.168	6585083.416	5043564.839
113	7350798.503	5044758.846	6585090.074	5043560.764
114	7350801.494	5044758.606	6585093.071	5043560.636
115	7350793.472	5044766.119	6585084.776	5043567.842
116	7350786.120	5044774.601	6585077.113	5043576.042
117	7350784.099	5044773.121	6585075.150	5043574.488
118	7350778.768	5044779.873	6585069.571	5043581.035
119	7350781.138	5044781.003	6585071.897	5043582.253
120	7350801.284	5044761.307	6585092.761	5043563.326
121	7350776.807	5044788.655	6585067.284	5043589.736
122	7350773.916	5044787.435	6585064.441	5043588.409
123	7350771.835	5044793.007	6585062.153	5043593.898
124	7350775.046	5044793.927	6585065.327	5043594.938
125	7350772.756	5044799.768	6585062.821	5043600.688



126	7350775.766	5044798.078	6585065.892	5043599.112
127	7350781.988	5044803.560	6585071.903	5043604.821
128	7350780.248	5044805.930	6585070.076	5043607.124
129	7350790.670	5044811.942	6585080.265	5043613.520
130	7350793.251	5044809.902	6585082.919	5043611.578
131	7350767.574	5044793.016	6585057.896	5043593.748
132	7350746.028	5044806.631	6585035.860	5043606.546
133	7350756.011	5044819.234	6585045.364	5043619.511
134	7350766.754	5044831.968	6585055.622	5043632.635
135	7350748.368	5044849.113	6585036.611	5043649.078
136	7350737.726	5044835.169	6585026.500	5043634.749
137	7350726.693	5044820.705	6585016.017	5043619.886
138	7350708.748	5044832.938	6584997.631	5043631.437
139	7350718.370	5044844.652	6585006.806	5043643.501
140	7350730.803	5044860.566	6585018.634	5043659.865
141	7350706.367	5044878.222	6584993.560	5043676.593
142	7350696.524	5044862.747	6584984.304	5043660.764
143	7350688.122	5044849.303	6584976.411	5043647.018
144	7350663.765	5044864.208	6584951.519	5043660.999
145	7350672.537	5044877.782	6584959.776	5043674.889
146	7350685.831	5044893.906	6584972.456	5043691.496
147	7350668.116	5044909.851	6584954.161	5043706.765
148	7350655.813	5044894.787	6584942.432	5043691.254
149	7350644.860	5044878.782	6584932.086	5043674.854
150	7350630.406	5044886.434	6584917.359	5043681.960
151	7350622.133	5044894.157	6584908.805	5043689.367
152	7350616.922	5044900.488	6584903.362	5043695.498
153	7350613.591	5044906.900	6584899.795	5043701.779
154	7350610.190	5044915.193	6584896.087	5043709.938
155	7350608.129	5044921.915	6584893.777	5043716.577
156	7350605.659	5044929.077	6584891.041	5043723.641
157	7350603.408	5044936.829	6584888.503	5043731.302
158	7350600.627	5044945.152	6584885.413	5043739.513
159	7350598.356	5044952.504	6584882.870	5043746.774
160	7350596.616	5044960.876	6584880.818	5043755.074
161	7350594.705	5044970.009	6584878.568	5043764.127
162	7350595.985	5044979.142	6584879.506	5043773.300
163	7350608.139	5044979.922	6584891.620	5043774.533
164	7350622.563	5044962.887	6584906.667	5043758.052
165	7350613.740	5044954.184	6584898.177	5043749.027
166	7350625.704	5044929.487	6584911.053	5043724.799
167	7350637.687	5044936.539	6584922.762	5043732.292
168	7350652.621	5044923.745	6584938.161	5043720.068
169	7350640.948	5044906.510	6584927.142	5043702.412
514	7350841.261	5044440.995	6585144.667	5043244.790
515	7350839.291	5044442.756	6585142.633	5043246.476
516	7350844.362	5044446.437	6585147.562	5043250.344
517	7350845.662	5044448.338	6585148.790	5043252.291
518	7350837.140	5044442.936	6585140.478	5043246.576
519	7350843.252	5044438.345	6585146.756	5043242.217
520	7350838.091	5044436.624	6585141.664	5043240.305
521	7350836.830	5044437.384	6585140.375	5043241.017
522	7350835.880	5044438.335	6585139.391	5043241.932
523	7350836.640	5044438.035	6585140.161	5043241.660
524	7350835.140	5044440.125	6585138.584	5043243.693
525	7350833.919	5044442.326	6585137.282	5043245.846
526	7350834.690	5044439.935	6585138.142	5043243.486
527	7350835.410	5044438.105	6585138.930	5043241.684
528	7350835.430	5044437.424	6585138.975	5043241.005
529	7350834.840	5044436.204	6585138.431	5043239.764
530	7350829.328	5044435.974	6585132.933	5043239.328
531	7350825.167	5044437.044	6585128.735	5043240.242
532	7350825.357	5044437.654	6585128.902	5043240.858
533	7350825.797	5044438.565	6585129.308	5043241.785
534	7350824.757	5044440.715	6585128.188	5043243.894
535	7350821.586	5044438.425	6585125.106	5043241.488
536	7350821.186	5044440.375	6585124.633	5043243.421
537	7350821.476	5044443.176	6585124.818	5043246.231
538	7350820.826	5044440.425	6585124.272	5043243.458



539	7350819.295	5044439.765	6585122.767	5043242.741
540	7350813.374	5044445.437	6585116.639	5043248.187
541	7350811.293	5044445.517	6585114.557	5043248.189
542	7350812.513	5044449.748	6585115.618	5043252.462
543	7350799.770	5044454.789	6585102.698	5043257.022
544	7350801.020	5044455.019	6585103.938	5043257.299
545	7350801.840	5044456.610	6585104.698	5043258.919
545	7350802.160	5044456.990	6585105.003	5043259.311
546	7350798.259	5044455.859	6585101.148	5043258.035
547	7350794.768	5044458.870	6585097.548	5043260.913
548	7350796.929	5044461.441	6585099.611	5043263.562
549	7350862.907	5044449.858	6585165.963	5043254.454
550	7350865.778	5044447.768	6585168.910	5043252.473
551	7350870.889	5044454.710	6585173.757	5043259.600
552	7350873.010	5044456.060	6585175.826	5043261.028
553	7350872.330	5044456.540	6585175.128	5043261.482
554	7350871.389	5044455.270	6585174.236	5043260.178
555	7350872.039	5044454.770	6585174.904	5043259.703
556	7350876.941	5044453.249	6585179.858	5043258.366
557	7350876.011	5044451.919	6585178.979	5043257.003
558	7350875.300	5044452.429	6585178.249	5043257.486
559	7350880.802	5044458.231	6585183.530	5043263.488
560	7350881.552	5044458.281	6585184.277	5043263.566
561	7350881.792	5044457.440	6585184.548	5043262.735
562	7350899.457	5044469.794	6585201.736	5043275.738
563	7350894.385	5044462.852	6585196.928	5043268.613
564	7350895.136	5044459.011	6585197.822	5043264.803
565	7350890.755	5044452.879	6585193.674	5043258.513
566	7350886.814	5044452.509	6585189.750	5043257.996
567	7350878.712	5044439.935	6585182.125	5043245.130
568	7350873.771	5044434.804	6585177.380	5043239.819
569	7350873.020	5044433.184	6585176.690	5043238.173
570	7350873.380	5044432.363	6585177.081	5043237.366
571	7350866.909	5044422.731	6585170.975	5043227.501
572	7350865.499	5044423.421	6585169.541	5043228.137
573	7350863.728	5044432.813	6585167.420	5043237.455
574	7350863.098	5044432.603	6585166.799	5043237.222
575	7350862.838	5044433.293	6585166.513	5043237.901
576	7350866.658	5044440.306	6585170.068	5043245.051
577	7350867.319	5044439.825	6585170.746	5043244.595
578	7350866.378	5044438.525	6585169.855	5043243.261
579	7350861.787	5044441.796	6585165.145	5043246.357
580	7350862.687	5044443.106	6585165.996	5043247.700
581	7350863.407	5044442.626	6585166.733	5043247.247
582	7350858.846	5044445.837	6585162.056	5043250.285
583	7350859.516	5044445.367	6585162.743	5043249.841
584	7350858.576	5044444.046	6585161.853	5043248.486
585	7350853.955	5044447.367	6585157.112	5043251.631
586	7350854.905	5044448.638	6585158.014	5043252.936
587	7350855.595	5044448.188	6585158.720	5043252.513
588	7350864.267	5044460.301	6585166.932	5043264.939
589	7350863.557	5044460.791	6585166.204	5043265.402
590	7350864.477	5044462.122	6585167.074	5043266.766
591	7350861.827	5044456.920	6585164.620	5043261.470
592	7350861.186	5044457.380	6585163.963	5043261.905
593	7350860.546	5044456.510	6585163.356	5043261.012
594	7350861.196	5044456.020	6585164.024	5043260.547
595	7350858.636	5044452.439	6585161.600	5043256.873
596	7350857.956	5044452.919	6585160.902	5043257.328
597	7350857.305	5044452.039	6585160.285	5043256.424
598	7350857.996	5044451.539	6585160.994	5043255.950
599	7350869.049	5044443.646	6585172.332	5043248.477
600	7350869.699	5044443.226	6585172.997	5043248.082
601	7350870.379	5044444.077	6585173.645	5043248.957
602	7350869.719	5044444.567	6585172.967	5043249.422
603	7350872.260	5044448.138	6585175.372	5043253.085
604	7350872.920	5044447.648	6585176.050	5043252.620
605	7350873.580	5044448.558	6585176.675	5043253.554
606	7350872.910	5044449.028	6585175.988	5043253.999



607	7350846.954	5044399.734	6585151.897	5043203.779
608	7350837.872	5044387.330	6585143.286	5043191.046
609	7350841.643	5044384.690	6585147.152	5043188.549
610	7350832.851	5044379.358	6585138.567	5043182.894
611	7350833.971	5044378.598	6585139.715	5043182.176
612	7350837.142	5044376.117	6585142.976	5043179.816
613	7350822.858	5044365.524	6585129.100	5043168.699
614	7350823.889	5044364.974	6585130.150	5043168.188
615	7350814.166	5044353.671	6585120.858	5043156.531
616	7350814.726	5044352.471	6585121.463	5043155.353
617	7350813.166	5044352.110	6585119.917	5043154.934
618	7350806.074	5044359.933	6585112.539	5043162.486
619	7350808.504	5044363.444	6585114.836	5043166.084
620	7350810.285	5044360.723	6585116.717	5043163.432
621	7350810.555	5044364.414	6585116.849	5043167.130
622	7350809.134	5044364.384	6585115.430	5043167.047
623	7350819.207	5044375.577	6585125.077	5043178.606
624	7350821.958	5044375.987	6585127.810	5043179.119
625	7350836.391	5044395.603	6585141.497	5043199.257
626	7350834.751	5044396.953	6585139.808	5043200.544
627	7350837.842	5044398.373	6585142.844	5043202.078
628	7350838.532	5044400.814	6585143.442	5043204.543
629	7350838.562	5044403.005	6585143.390	5043206.733
630	7350838.732	5044405.405	6585143.470	5043209.137
631	7350836.501	5044404.235	6585141.285	5043207.885
632	7350832.500	5044398.624	6585137.497	5043202.130
633	7350828.949	5044401.194	6585133.853	5043204.565
634	7350834.430	5044408.696	6585139.049	5043212.265
635	7350835.471	5044411.737	6585139.975	5043215.342
636	7350837.921	5044408.566	6585142.542	5043212.265
637	7350826.568	5044402.855	6585131.412	5043206.135
638	7350832.720	5044414.608	6585137.120	5043218.108
639	7350825.278	5044418.179	6585129.551	5043221.398
640	7350823.887	5044419.829	6585128.099	5043222.994
641	7350822.247	5044421.000	6585126.417	5043224.103
642	7350820.616	5044422.140	6585124.745	5043225.181
643	7350822.937	5044414.938	6585127.333	5043218.072
644	7350810.104	5044408.576	6585114.749	5043211.236
645	7350822.817	5044408.756	6585127.444	5043211.891
646	7350802.142	5044395.212	6585107.293	5043197.587
647	7350802.442	5044398.803	6585107.459	5043201.186
648	7350801.151	5044401.284	6585106.076	5043203.616
649	7350796.270	5044405.095	6585101.057	5043207.242
650	7350794.209	5044405.285	6585098.991	5043207.354
651	7350791.789	5044404.455	6585096.604	5043206.435
652	7350794.479	5044400.674	6585099.433	5043202.758
653	7350798.311	5044398.173	6585103.355	5043200.402
654	7350795.020	5044394.052	6585100.221	5043196.162
655	7350794.140	5044394.622	6585099.320	5043196.698
656	7350795.100	5044396.023	6585100.227	5043198.134
657	7350793.479	5044397.123	6585098.566	5043199.172
658	7350791.689	5044396.343	6585096.807	5043198.326
659	7350790.218	5044394.292	6585095.414	5043196.222
660	7350787.528	5044396.153	6585092.657	5043197.981
660	7350787.488	5044396.153	6585092.617	5043197.979
661	7350786.927	5044398.193	6585091.980	5043199.997
662	7350786.437	5044402.394	6585091.334	5043204.176
663	7350817.425	5044418.159	6585121.705	5043221.084
664	7350816.135	5044420.610	6585120.325	5043223.485
665	7350813.874	5044420.870	6585118.056	5043223.660
666	7350816.615	5044424.551	6585120.657	5043227.440
667	7350817.875	5044425.621	6585121.876	5043228.557
668	7350814.094	5044427.071	6585118.045	5043229.864
669	7350813.864	5044425.891	6585117.859	5043228.676
670	7350811.424	5044422.860	6585115.534	5043225.557
671	7350807.833	5044425.381	6585111.852	5043227.942
672	7350853.324	5044477.236	6585155.366	5043281.450
672	7350845.142	5044467.583	6585147.552	5043271.500
673	7350829.628	5044452.099	6585132.630	5043255.450



674	7350821.046	5044449.418	6585124.156	5043252.451
675	7350822.726	5044448.307	6585125.876	5043251.404
676	7350831.859	5044448.297	6585135.001	5043251.735
677	7350808.402	5044461.491	6585111.072	5043264.041
678	7350808.161	5044472.154	6585110.433	5043274.686
679	7350808.171	5044488.499	6585109.832	5043291.017
679	7350771.551	5044478.536	6585073.617	5043279.694
680	7350775.172	5044476.695	6585077.303	5043277.990
681	7350771.441	5044482.447	6585073.361	5043283.598
682	7350773.452	5044481.467	6585075.407	5043282.694
683	7350766.150	5044471.984	6585068.465	5043272.946
684	7350764.259	5044471.334	6585066.600	5043272.226
685	7350768.481	5044464.132	6585071.087	5043265.188
686	7350769.921	5044460.921	6585072.646	5043262.034
687	7350773.892	5044455.479	6585076.817	5043256.745
688	7350784.195	5044447.267	6585087.418	5043248.925
689	7350787.406	5044445.667	6585090.685	5043247.447
690	7350789.537	5044448.727	6585092.700	5043250.584
691	7350790.117	5044452.649	6585093.133	5043254.524
692	7350789.507	5044455.339	6585092.423	5043257.189
693	7350787.656	5044458.150	6585090.469	5043259.928
694	7350781.154	5044463.882	6585083.759	5043265.412
695	7350777.873	5044465.852	6585080.407	5043267.258
696	7350774.262	5044466.502	6585076.775	5043267.772
697	7350771.341	5044465.822	6585073.882	5043266.984
698	7350766.740	5044455.809	6585069.659	5043256.808
699	7350764.980	5044456.550	6585067.873	5043257.482
700	7350768.501	5044453.469	6585071.506	5043254.536
701	7350781.045	5044444.036	6585084.391	5043245.580
702	7350783.855	5044441.395	6585087.297	5043243.046
703	7350782.285	5044441.295	6585085.732	5043242.887
704	7350783.325	5044438.194	6585086.887	5043239.828
705	7350781.555	5044438.335	6585085.114	5043239.903
706	7350781.505	5044435.864	6585085.156	5043237.432
707	7350779.704	5044436.844	6585083.320	5043238.344
708	7350777.644	5044436.424	6585081.277	5043237.847
709	7350778.374	5044434.744	6585082.069	5043236.196
710	7350776.254	5044435.974	6585079.905	5043237.346
711	7350776.694	5044434.343	6585080.406	5043235.733
712	7350776.404	5044432.493	6585080.185	5043233.873
713	7350777.794	5044431.413	6585081.614	5043232.846
714	7350780.565	5044433.123	6585084.319	5043234.658
715	7350775.573	5044431.022	6585079.410	5043232.373
716	7350775.794	5044429.012	6585079.706	5043230.373
717	7350772.673	5044427.962	6585076.627	5043229.207
718	7350773.403	5044429.742	6585077.290	5043231.013
719	7350770.762	5044428.882	6585074.683	5043230.055
720	7350771.042	5044426.961	6585075.035	5043228.146
721	7350770.462	5044424.981	6585074.529	5043226.146
722	7350777.274	5044426.851	6585081.265	5043228.269
723	7350810.613	5044427.792	6585114.540	5043230.454
724	7350808.683	5044429.292	6585112.555	5043231.881
725	7350807.012	5044427.642	6585110.947	5043230.170
726	7350800.491	5044415.818	6585104.874	5043218.113
727	7350797.970	5044415.368	6585102.372	5043217.569
728	7350806.592	5044427.702	6585110.526	5043230.214
729	7350803.031	5044426.621	6585107.008	5043229.001
730	7350798.290	5044424.151	6585102.364	5043226.356
731	7350795.059	5044421.350	6585099.240	5043223.437
732	7350795.069	5044420.380	6585099.286	5043222.468
733	7350795.909	5044419.429	6585100.161	5043221.549
734	7350793.099	5044419.009	6585097.369	5043221.025
735	7350793.829	5044419.109	6585098.095	5043221.152
736	7350794.539	5044418.889	6585098.812	5043220.959
737	7350787.657	5044411.417	6585092.216	5043213.236
738	7350786.647	5044407.826	6585091.341	5043209.611
739	7350786.377	5044401.014	6585091.325	5043202.795
740	7350760.020	5044405.875	6585064.810	5043206.667
741	7350779.615	5044403.525	6585084.475	5043205.051



742	7350842.782	5044446.537	6585145.980	5043250.384
743	7350867.868	5044456.830	6585170.659	5043261.605
744	7350867.538	5044457.940	6585170.288	5043262.702
745	7350868.198	5044457.540	6585170.963	5043262.327
746	7350869.109	5044458.831	6585171.825	5043263.651
747	7350857.876	5044456.350	6585160.694	5043260.753
748	7350818.906	5044402.645	6585123.765	5043205.639
749	7350786.567	5044419.179	6585090.837	5043220.951
750	7350769.253	5044398.323	6585074.317	5043199.466
751	7350815.885	5044397.893	6585120.924	5043200.779
752	7350822.827	5044397.833	6585127.862	5043200.978
753	7350817.216	5044392.292	6585122.463	5043195.232
754	7350779.354	5044445.096	6585082.662	5043246.575
755	7350778.264	5044445.336	6585081.564	5043246.774
756	7350775.503	5044446.437	6585078.764	5043247.771
757	7350775.283	5044447.997	6585078.486	5043249.322
758	7350773.933	5044449.878	6585077.067	5043251.151
759	7350772.392	5044450.768	6585075.494	5043251.982
760	7350771.402	5044450.958	6585074.498	5043252.135
761	7350768.681	5044451.848	6585071.746	5043252.923
762	7350764.731	5044421.630	6585068.928	5043222.584
763	7350765.041	5044419.629	6585069.313	5043220.596
764	7350759.339	5044414.228	6585063.818	5043214.987
765	7350759.459	5044412.817	6585063.990	5043213.582
766	7350753.718	5044407.326	6585058.459	5043207.881
767	7350753.818	5044406.005	6585058.609	5043206.565
768	7350800.720	5044444.306	6585104.039	5043246.584
769	7350760.139	5044453.849	6585063.137	5043254.603
770	7350754.537	5044457.870	6585057.390	5043258.411
771	7350760.699	5044454.849	6585063.659	5043255.623
772	7350760.709	5044454.879	6585063.668	5043255.653
773	7350761.029	5044455.249	6585063.974	5043256.035
772	7350762.289	5044456.199	6585065.197	5043257.031
773	7350759.809	5044452.889	6585062.843	5043253.631
774	7350759.909	5044450.838	6585063.020	5043251.586
775	7350759.368	5044449.688	6585062.522	5043250.417
776	7350760.549	5044457.070	6585063.426	5043257.836
777	7350758.738	5044454.679	6585061.706	5043255.380
778	7350758.118	5044451.418	6585061.209	5043252.099
779	7350756.388	5044452.668	6585059.433	5043253.283
780	7350754.867	5044450.248	6585058.004	5043250.808
781	7350757.108	5044449.528	6585060.270	5043250.173
782	7350755.217	5044448.297	6585058.427	5043248.872
783	7350754.157	5044446.187	6585057.446	5043246.724
784	7350754.387	5044443.666	6585057.770	5043244.214
785	7350753.927	5044442.826	6585057.342	5043243.358
786	7350753.067	5044447.977	6585056.291	5043248.472
787	7350752.427	5044444.676	6585055.774	5043245.150
788	7350749.346	5044443.446	6585052.742	5043243.806
789	7350751.717	5044442.816	6585055.134	5043243.265
790	7350749.596	5044441.505	6585053.064	5043241.876
791	7350748.556	5044439.345	6585052.106	5043239.679
792	7350748.816	5044436.814	6585052.460	5043237.160
793	7350747.926	5044435.644	6585051.615	5043235.958
794	7350747.465	5044441.195	6585050.947	5043241.487
795	7350746.625	5044437.634	6585050.241	5043237.897
796	7350745.085	5044439.025	6585048.650	5043239.230
797	7350745.685	5044435.604	6585049.377	5043235.834
798	7350743.324	5044436.174	6585046.997	5043236.315
799	7350743.495	5044434.163	6585047.243	5043234.313
800	7350741.404	5044433.803	6585045.167	5043233.875
801	7350742.464	5044431.252	6585046.322	5043231.366
802	7350742.724	5044429.752	6585046.637	5043229.877
803	7350742.394	5044428.772	6585046.344	5043228.885
804	7350740.284	5044428.782	6585044.236	5043228.816
805	7350740.824	5044430.582	6585044.708	5043230.635
806	7350737.673	5044429.352	6585041.606	5043229.288
807	7350737.853	5044427.241	6585041.864	5043227.186
808	7350735.823	5044426.981	6585039.846	5043226.850



809	7350736.863	5044424.771	6585040.968	5043224.681
810	7350737.133	5044422.870	6585041.308	5043222.792
811	7350736.613	5044422.030	6585040.820	5043221.933
812	7350735.333	5044423.830	6585039.474	5043223.684
813	7350733.492	5044424.941	6585037.593	5043224.725
814	7350734.372	5044421.920	6585038.585	5043221.740
815	7350732.182	5044422.630	6585036.371	5043222.367
816	7350732.262	5044420.529	6585036.529	5043220.271
817	7350730.221	5044420.319	6585034.498	5043219.985
818	7350731.162	5044417.859	6585035.530	5043217.562
819	7350731.462	5044415.928	6585035.902	5043215.644
820	7350729.571	5044417.018	6585033.972	5043216.663
821	7350730.912	5044413.707	6585035.435	5043213.405
822	7350730.281	5044413.798	6585034.801	5043213.472
823	7350728.841	5044415.018	6585033.317	5043214.637
824	7350726.550	5044412.317	6585031.129	5043211.853
825	7350724.560	5044405.925	6585029.379	5043205.392
825	7350724.480	5044405.915	6585029.300	5043205.379
826	7350719.849	5044408.946	6585024.560	5043208.235
827	7350726.180	5044424.470	6585030.305	5043223.981
828	7350726.000	5044424.761	6585030.115	5043224.265
829	7350738.673	5044438.364	6585042.268	5043238.330
830	7350738.473	5044438.695	6585042.056	5043238.653
831	7350709.125	5044429.292	6585013.085	5043228.162
832	7350693.170	5044443.586	6584996.610	5043241.847
833	7350674.115	5044462.761	6584976.856	5043260.294
834	7350695.160	5044476.095	6584997.384	5043274.402
835	7350708.134	5044462.351	6585010.860	5043261.155
836	7350723.439	5044449.538	6585026.630	5043248.925
837	7350738.722	5044466.772	6585041.256	5043266.715
838	7350726.799	5044476.695	6585028.973	5043276.183
839	7350714.165	5044488.148	6585015.922	5043287.154
840	7350743.683	5044506.894	6585044.714	5043306.986
841	7350679.537	5044442.806	6584983.019	5043240.559
842	7350670.454	5044431.862	6584974.352	5043229.285
843	7350661.352	5044436.624	6584965.081	5043233.703
844	7350648.668	5044446.727	6584952.030	5043243.323
845	7350642.286	5044442.875	6584945.798	5043239.236
846	7350639.086	5044438.884	6584942.750	5043235.129
847	7350641.376	5044441.625	6584944.935	5043237.954
848	7350641.136	5044443.776	6584944.615	5043240.094
849	7350640.296	5044442.705	6584943.816	5043238.992
850	7350639.066	5044441.175	6584942.644	5043237.418
851	7350640.196	5044440.255	6584943.808	5043236.541
852	7350637.975	5044439.715	6584941.609	5043235.918
853	7350638.956	5044438.824	6584942.622	5043235.065
854	7350638.365	5044439.054	6584942.023	5043235.272
855	7350631.024	5044429.062	6584935.062	5043225.015
856	7350636.465	5044427.071	6584940.572	5043223.229
857	7350639.106	5044430.342	6584943.089	5043226.596
858	7350644.677	5044432.583	6584948.571	5043229.043
859	7350638.666	5044423.950	6584942.888	5043220.193
860	7350638.906	5044438.574	6584942.582	5043234.813
861	7350638.836	5044438.484	6584942.515	5043234.720
862	7350651.739	5044428.091	6584955.795	5043224.819
863	7350651.649	5044427.991	6584955.709	5043224.715
864	7350641.526	5044433.553	6584945.387	5043229.894
865	7350650.339	5044426.561	6584954.453	5043223.238
866	7350647.678	5044423.330	6584951.915	5043219.910
867	7350645.008	5044420.089	6584949.369	5043216.572
868	7350644.057	5044418.319	6584948.485	5043214.768
869	7350653.500	5044413.087	6584958.115	5043209.894
870	7350656.191	5044416.318	6584960.683	5043213.222
871	7350658.832	5044419.559	6584963.200	5043216.559
872	7350661.162	5044420.329	6584965.499	5043217.415
873	7350667.894	5044413.477	6584972.481	5043210.821
874	7350667.314	5044412.587	6584971.935	5043209.910
875	7350664.633	5044409.336	6584969.378	5043206.562
876	7350661.953	5044406.125	6584966.820	5043203.254



877	7350676.107	5044410.126	6584980.812	5043207.780
878	7350677.667	5044411.957	6584982.303	5043209.667
879	7350661.313	5044405.345	6584966.210	5043202.450
880	7350683.468	5044419.639	6584987.811	5043217.559
881	7350681.498	5044408.826	6584986.247	5043206.682
882	7350642.366	5044445.256	6584945.789	5043241.618
883	7350661.521	5044457.170	6584964.482	5043254.237
884	7350659.611	5044461.331	6584962.418	5043258.323
884	7350658.610	5044463.631	6584961.332	5043260.584
885	7350679.996	5044468.323	6584982.524	5043266.071
886	7350672.624	5044466.822	6584975.215	5043264.295
887	7350681.396	5044471.264	6584983.813	5043269.061
888	7350680.016	5044473.424	6584982.353	5043271.168
889	7350678.616	5044474.925	6584980.899	5043272.615
890	7350706.033	5044492.510	6585007.635	5043291.209
891	7350707.123	5044490.479	6585008.799	5043289.220
892	7350708.483	5044488.869	6585010.218	5043287.662
893	7350709.824	5044487.278	6585011.618	5043286.123
894	7350723.167	5044495.640	6585024.637	5043294.976
895	7350722.367	5044497.631	6585023.763	5043296.935
896	7350720.947	5044499.852	6585022.261	5043299.101
897	7350717.786	5044502.542	6585019.002	5043301.671
898	7350742.952	5044508.124	6585043.938	5043308.188
899	7350744.973	5044508.174	6585045.955	5043308.313
900	7350743.202	5044510.595	6585044.095	5043310.666
901	7350742.432	5044513.686	6585043.210	5043313.726
902	7350745.043	5044514.336	6585045.795	5043314.473
903	7350746.743	5044513.456	6585047.526	5043313.657
904	7350745.703	5044510.645	6585046.592	5043310.810
905	7350738.401	5044522.708	6585038.846	5043322.589
906	7350729.778	5044531.010	6585029.920	5043330.562
907	7350760.499	5044449.548	6585063.657	5043250.319
908	7350760.359	5044449.398	6585063.523	5043250.164
909	7350754.757	5044442.546	6585058.182	5043243.109
910	7350748.736	5044435.324	6585052.436	5043235.668
911	7350749.326	5044435.924	6585053.003	5043236.290
912	7350743.095	5044428.542	6585047.053	5043228.682
913	7350737.433	5044421.670	6585041.653	5043221.604
914	7350813.406	5044350.600	6585120.214	5043153.435
915	7350808.685	5044346.289	6585115.658	5043148.951
916	7350819.718	5044337.586	6585127.006	5043140.668
917	7350824.189	5044343.668	6585131.246	5043146.912
918	7350829.491	5044341.107	6585136.639	5043144.551
919	7350803.404	5044339.007	6585110.653	5043141.478
920	7350814.337	5044330.904	6585121.879	5043133.791
921	7350822.299	5044325.093	6585130.052	5043128.282
922	7350827.491	5044321.322	6585135.380	5043124.709
923	7350842.466	5044290.323	6585151.499	5043094.296
924	7350841.496	5044289.093	6585150.576	5043093.031
925	7350836.104	5044287.913	6585145.233	5043091.651
926	7350835.584	5044287.312	6585144.736	5043091.031
927	7350829.522	5044291.904	6585138.508	5043095.393
928	7350829.382	5044294.114	6585138.285	5043097.595
929	7350824.801	5044297.955	6585133.565	5043101.262
930	7350830.502	5044297.855	6585139.265	5043101.375
931	7350830.742	5044298.575	6585139.478	5043102.103
932	7350822.750	5044303.767	6585131.299	5043106.992
933	7350831.312	5044299.486	6585140.013	5043103.035
934	7350843.296	5044293.084	6585152.226	5043097.086
935	7350844.666	5044291.554	6585153.652	5043095.609
936	7350846.347	5044289.633	6585155.403	5043093.752
937	7350864.522	5044283.621	6585173.786	5043088.424
938	7350855.009	5044288.903	6585164.084	5043093.346
939	7350855.349	5044289.333	6585164.408	5043093.789
940	7350848.057	5044292.854	6585156.991	5043097.034
941	7350848.597	5044293.904	6585157.491	5043098.103
942	7350840.265	5044296.965	6585149.052	5043100.850
943	7350841.205	5044298.896	6585149.919	5043102.815
944	7350820.159	5044306.368	6585128.613	5043109.494



945	7350807.445	5044312.009	6585115.699	5043114.655
946	7350812.156	5044326.243	6585119.875	5043129.053
947	7350810.266	5044328.844	6585117.889	5043131.581
948	7350797.312	5044316.370	6585105.412	5043118.634
949	7350796.792	5044315.350	6585104.931	5043117.595
950	7350806.995	5044310.989	6585115.288	5043113.619
951	7350801.784	5044308.238	6585110.184	5043110.676
952	7350818.309	5044298.125	6585127.072	5043101.189
953	7350817.809	5044297.235	6585126.606	5043100.281
954	7350823.330	5044294.744	6585132.215	5043097.999
955	7350828.212	5044292.614	6585137.172	5043096.053
956	7350830.612	5044287.472	6585139.762	5043091.005
957	7350834.134	5044280.911	6585143.526	5043084.582
958	7350837.025	5044278.750	6585146.496	5043082.530
959	7350842.236	5044274.469	6585151.862	5043078.448
960	7350839.565	5044270.848	6585149.328	5043074.730
961	7350854.470	5044261.155	6585164.582	5043065.603
962	7350868.194	5044252.293	6585178.625	5043057.261
963	7350832.653	5044274.189	6585142.298	5043077.810
964	7350818.019	5044275.819	6585127.616	5043078.892
965	7350818.689	5044279.050	6585128.165	5043082.145
966	7350819.770	5044281.071	6585129.169	5043084.205
967	7350817.409	5044277.270	6585126.952	5043080.319
968	7350815.218	5044276.469	6585124.793	5043079.437
969	7350817.179	5044275.089	6585126.804	5043078.131
970	7350796.183	5044291.483	6585105.214	5043093.727
971	7350794.132	5044290.193	6585103.213	5043092.361
972	7350796.353	5044289.083	6585105.473	5043091.335
973	7350794.802	5044294.234	6585103.731	5043096.424
974	7350795.242	5044296.455	6585104.088	5043098.659
975	7350797.463	5044295.124	6585106.357	5043097.412
976	7350799.534	5044293.884	6585108.472	5043096.251
977	7350799.734	5044296.175	6585108.587	5043098.547
978	7350779.348	5044307.228	6585087.806	5043108.829
979	7350778.288	5044304.777	6585086.838	5043106.340
980	7350774.106	5044302.887	6585082.730	5043104.296
981	7350776.087	5044303.887	6585084.672	5043105.369
982	7350776.077	5044301.656	6585084.746	5043103.140
983	7350776.097	5044301.446	6585084.774	5043102.931
984	7350760.663	5044310.609	6585069.011	5043111.509
985	7350754.331	5044315.520	6585062.501	5043116.179
986	7350765.364	5044315.310	6585073.532	5043116.381
987	7350761.783	5044319.051	6585069.815	5043119.985
988	7350767.534	5044319.851	6585075.531	5043120.999
989	7350781.498	5044312.109	6585089.772	5043113.786
990	7350795.782	5044310.229	6585104.113	5043112.441
991	7350823.820	5044311.629	6585132.074	5043114.887
992	7350845.276	5044298.946	6585153.985	5043103.017
992	7350845.306	5044299.246	6585154.004	5043103.318
993	7350847.827	5044303.287	6585156.371	5043107.449
994	7350846.867	5044307.458	6585155.257	5043111.581
995	7350851.838	5044303.947	6585160.354	5043108.258
996	7350855.509	5044308.958	6585163.835	5043113.402
997	7350836.614	5044306.158	6585145.061	5043109.899
998	7350840.525	5044291.183	6585149.528	5043095.083
999	7350868.693	5044291.674	6585177.653	5043096.626
1000	7350875.195	5044300.696	6585183.812	5043105.883
1001	7350798.212	5044332.135	6585105.723	5043134.419
1002	7350787.339	5044340.457	6585094.548	5043142.327
1003	7350786.449	5044341.207	6585093.631	5043143.043
1004	7350783.698	5044335.976	6585091.078	5043137.714
1005	7350777.067	5044327.693	6585084.762	5043129.191
1006	7350782.508	5044329.494	6585090.131	5043131.193
1007	7350775.816	5044328.394	6585083.486	5043129.844
1008	7350774.986	5044325.103	6585082.780	5043126.525
1009	7350777.427	5044319.981	6585085.410	5043121.499
1010	7350772.806	5044322.902	6585080.684	5043124.245
1011	7350767.274	5044327.403	6585074.989	5043128.535
1012	7350763.543	5044322.982	6585071.426	5043123.979



1013	7350767.054	5044324.413	6585074.881	5043125.540
1014	7350762.723	5044323.552	6585070.586	5043124.517
1015	7350762.903	5044325.303	6585070.700	5043126.274
1016	7350765.343	5044332.955	6585072.852	5043134.010
1017	7350764.723	5044334.725	6585072.167	5043135.755
1018	7350764.633	5044334.685	6585072.078	5043135.712
1019	7350763.793	5044336.186	6585071.183	5043137.180
1020	7350763.683	5044336.136	6585071.075	5043137.126
1021	7350767.054	5044335.926	6585074.451	5043137.042
1022	7350756.290	5044344.718	6585063.368	5043145.425
1023	7350759.441	5044341.757	6585066.627	5043142.584
1024	7350764.333	5044347.769	6585071.290	5043148.773
1025	7350770.114	5044354.861	6585076.801	5043156.075
1026	7350754.719	5044367.685	6585060.940	5043168.313
1027	7350753.899	5044368.375	6585060.095	5043168.971
1028	7350750.998	5044362.633	6585057.411	5043163.126
1029	7350744.007	5044354.471	6585050.731	5043154.710
1030	7350745.517	5044353.511	6585052.276	5043153.807
1031	7350743.126	5044355.121	6585049.827	5043155.327
1032	7350742.096	5044353.811	6585048.847	5043153.979
1033	7350742.126	5044353.741	6585048.879	5043153.910
1034	7350735.054	5044362.063	6585041.503	5043161.961
1035	7350720.580	5044373.936	6585026.598	5043173.283
1036	7350710.327	5044381.959	6585016.054	5043180.916
1037	7350721.460	5044380.818	6585027.220	5043180.192
1038	7350722.830	5044382.219	6585028.536	5043181.643
1039	7350738.755	5044380.958	6585044.495	5043180.978
1040	7350735.954	5044373.286	6585041.983	5043173.208
1041	7350741.035	5044384.379	6585046.645	5043184.481
1042	7350740.015	5044393.122	6585045.299	5043193.178
1043	7350739.054	5044393.852	6585044.312	5043193.871
1044	7350738.264	5044392.982	6585043.555	5043192.973
1045	7350734.853	5044395.762	6585040.043	5043195.623
1046	7350735.663	5044396.703	6585040.817	5043196.593
1047	7350726.941	5044393.202	6585032.234	5043192.769
1048	7350729.352	5044390.521	6585034.743	5043190.181
1049	7350728.382	5044389.311	6585033.819	5043188.936
1050	7350722.740	5044388.170	6585028.224	5043187.585
1051	7350719.669	5044382.779	6585025.357	5043182.084
1052	7350720.520	5044383.749	6585026.171	5043183.085
1053	7350722.420	5044382.279	6585028.125	5043181.687
1054	7350721.890	5044381.678	6585027.618	5043181.067
1055	7350721.030	5044381.678	6585026.758	5043181.035
1056	7350707.345	5044400.934	6585012.366	5043199.763
1057	7350675.867	5044405.595	6584980.742	5043203.244
1058	7350673.206	5044402.324	6584978.205	5043199.876
1059	7350670.615	5044399.173	6584975.734	5043196.631
1060	7350681.718	5044395.282	6584986.973	5043193.158
1061	7350684.369	5044398.593	6584989.498	5043196.565
1062	7350681.028	5044402.674	6584986.007	5043200.518
1063	7350681.088	5044403.434	6584986.039	5043201.280
1064	7350694.162	5044393.212	6584999.483	5043191.555
1065	7350694.122	5044393.142	6584999.446	5043191.484
1066	7350692.892	5044391.601	6584998.274	5043189.898
1067	7350690.231	5044388.390	6584995.736	5043186.590
1068	7350687.550	5044385.129	6584993.179	5043183.232
1069	7350688.951	5044385.039	6584994.582	5043183.195
1070	7350690.201	5044383.989	6584995.870	5043182.192
1071	7350689.191	5044382.759	6584994.907	5043180.926
1072	7350688.711	5044381.658	6584994.469	5043179.808
1073	7350696.073	5044378.147	6585001.955	5043176.575
1074	7350698.704	5044381.328	6585004.465	5043179.851
1075	7350701.374	5044384.609	6585007.010	5043183.229
1076	7350702.735	5044384.519	6585008.373	5043183.190
1077	7350703.995	5044383.469	6585009.671	5043182.188
1078	7350702.995	5044382.259	6585008.718	5043180.942
1079	7350706.916	5044382.789	6585012.615	5043181.618
1080	7350706.866	5044382.699	6585012.569	5043181.526
1081	7350699.064	5044373.186	6585005.129	5043171.730



1082	7350699.654	5044372.776	6585005.734	5043171.342
1083	7350706.556	5044381.228	6585012.314	5043180.045
1084	7350710.487	5044378.057	6585016.360	5043177.023
1085	7350707.456	5044382.199	6585013.177	5043181.048
1086	7350711.197	5044377.607	6585017.086	5043176.600
1087	7350707.356	5044374.396	6585013.368	5043173.248
1088	7350707.916	5044373.926	6585013.945	5043172.800
1089	7350707.296	5044374.306	6585013.312	5043173.156
1090	7350707.826	5044373.826	6585013.859	5043172.697
1091	7350706.406	5044371.376	6585012.532	5043170.196
1092	7350725.171	5044359.572	6585031.721	5043159.103
1093	7350711.967	5044378.458	6585017.824	5043177.479
1094	7350698.984	5044381.108	6585004.753	5043179.642
1095	7350696.573	5044379.228	6585002.414	5043177.673
1096	7350675.667	5044400.214	6584980.743	5043197.860
1097	7350674.096	5044399.103	6584979.215	5043196.691
1098	7350744.136	5044395.752	6585049.318	5043195.959
1099	7350746.416	5044400.894	6585051.404	5043201.182
1100	7350746.906	5044400.724	6585051.900	5043201.031
1101	7350766.162	5044384.559	6585071.743	5043185.599
1102	7350767.862	5044386.760	6585073.359	5043187.862
1103	7350770.503	5044387.020	6585075.988	5043188.220
1104	7350768.543	5044380.158	6585074.286	5043181.291
1105	7350766.452	5044381.859	6585072.133	5043182.912
1106	7350771.284	5044380.448	6585077.014	5043181.683
1107	7350772.994	5044382.569	6585078.643	5043183.866
1108	7350765.352	5044381.328	6585071.054	5043182.341
1109	7350763.762	5044380.188	6585069.508	5043181.142
1110	7350764.212	5044374.857	6585070.157	5043175.833
1111	7350767.093	5044375.877	6585072.997	5043176.960
1112	7350767.313	5044367.235	6585073.540	5043168.333
1113	7350776.045	5044359.202	6585082.564	5043160.634
1114	7350778.056	5044359.612	6585084.558	5043161.118
1115	7350779.396	5044359.132	6585085.915	5043160.689
1116	7350780.697	5044360.793	6585087.153	5043162.397
1117	7350782.557	5044359.312	6585089.066	5043160.987
1118	7350783.928	5044358.392	6585090.471	5043160.119
1119	7350783.458	5044358.742	6585089.988	5043160.451
1120	7350782.487	5044356.692	6585089.094	5043158.366
1121	7350783.258	5044355.491	6585089.910	5043157.195
1122	7350783.168	5044353.721	6585089.886	5043155.424
1123	7350781.437	5044358.532	6585087.977	5043160.166
1124	7350786.619	5044351.620	6585093.412	5043153.453
1125	7350792.330	5044350.130	6585099.174	5043152.178
1126	7350797.222	5044350.770	6585104.038	5043153.000
1127	7350799.042	5044350.730	6585105.857	5043153.028
1128	7350799.532	5044354.241	6585106.216	5043156.554
1129	7350804.443	5044353.831	6585111.138	5043156.328
1130	7350807.284	5044356.582	6585113.874	5043159.183
1131	7350807.504	5044358.812	6585114.010	5043161.419
1132	7350805.934	5044356.532	6585112.527	5043159.082
1133	7350798.202	5044362.103	6585104.593	5043164.360
1134	7350802.753	5044368.425	6585108.904	5043170.846
1135	7350801.893	5044362.823	6585108.254	5043165.217
1136	7350804.343	5044366.314	6585110.572	5043168.796
1137	7350789.769	5044361.793	6585096.179	5043163.735
1138	7350789.699	5044363.774	6585096.035	5043165.712
1139	7350788.559	5044364.754	6585094.860	5043166.648
1140	7350787.809	5044365.354	6585094.088	5043167.220
1141	7350786.878	5044365.834	6585093.140	5043167.664
1142	7350791.510	5044366.154	6585097.756	5043168.157
1143	7350795.421	5044367.925	6585101.597	5043170.073
1144	7350797.311	5044370.415	6585103.393	5043172.631
1145	7350785.828	5044364.354	6585092.146	5043166.147
1146	7350784.168	5044365.764	6585090.435	5043167.493
1147	7350782.797	5044364.174	6585089.125	5043165.853
1148	7350784.388	5044362.763	6585090.767	5043164.503
1149	7350784.318	5044364.204	6585090.643	5043165.940
1150	7350780.167	5044363.313	6585086.529	5043164.895



1151	7350779.426	5044363.974	6585085.764	5043165.528
1152	7350782.727	5044361.323	6585089.161	5043163.002
1153	7350776.375	5044372.596	6585082.394	5043174.028
1154	7350771.164	5044379.088	6585076.945	5043180.320
1155	7350773.934	5044381.238	6585079.632	5043182.571
1155	7350773.234	5044381.629	6585078.918	5043182.936
1156	7350783.707	5044368.435	6585089.875	5043170.145
1157	7350788.809	5044368.205	6585094.981	5043170.105
1158	7350803.303	5044372.556	6585109.299	5043174.994
1159	7350793.170	5044356.762	6585099.765	5043158.835
1160	7350772.004	5044391.901	6585077.305	5043193.153
1161	7350777.135	5044387.700	6585082.589	5043189.147
1162	7350777.395	5044386.740	6585082.884	5043188.198
1163	7350772.744	5044385.280	6585078.292	5043186.565
1164	7350809.675	5044368.175	6585115.829	5043170.855
1165	7350796.151	5044371.776	6585102.183	5043173.948
1166	7350793.480	5044373.996	6585099.431	5043176.066
1167	7350799.151	5044373.716	6585105.108	5043175.998
1168	7350795.480	5044376.407	6585101.339	5043178.549
1169	7350792.439	5044379.058	6585098.202	5043181.084
1170	7350789.519	5044381.669	6585095.187	5043183.584
1171	7350788.808	5044386.710	6585094.288	5043188.594
1172	7350787.268	5044387.750	6585092.711	5043189.576
1173	7350786.228	5044386.220	6585091.729	5043188.008
1174	7350787.778	5044385.170	6585093.317	5043187.017
1175	7350787.608	5044386.370	6585093.102	5043188.210
1176	7350792.019	5044379.338	6585097.772	5043181.349
1177	7350785.787	5044386.450	6585091.280	5043188.221
1178	7350784.637	5044384.860	6585090.190	5043186.590
1179	7350781.806	5044387.920	6585087.247	5043189.541
1180	7350779.316	5044389.201	6585084.712	5043190.728
1181	7350781.106	5044392.482	6585086.378	5043194.073
1182	7350775.874	5044396.723	6585080.992	5043198.115
1183	7350786.968	5044395.342	6585092.128	5043197.150
1184	7350789.698	5044393.472	6585094.925	5043195.383
1185	7350793.149	5044391.191	6585098.458	5043193.233
1186	7350795.670	5044389.451	6585101.042	5043191.589
1187	7350798.421	5044389.971	6585103.771	5043192.211
1188	7350799.901	5044389.581	6585105.264	5043191.877
1189	7350807.864	5044386.390	6585113.340	5043188.986
1190	7350807.594	5044383.239	6585113.188	5043185.828
1191	7350810.424	5044387.070	6585115.872	5043189.761
1192	7350808.284	5044385.510	6585113.792	5043188.123
1193	7350807.283	5044384.099	6585112.845	5043186.675
1194	7350810.885	5044380.868	6585116.564	5043183.582
1195	7350820.187	5044374.127	6585126.110	5043177.194
1196	7350817.887	5044373.016	6585123.853	5043175.998
1197	7350814.296	5044372.786	6585120.274	5043175.634
1198	7350816.966	5044377.077	6585122.781	5043180.021
1199	7350813.385	5044379.658	6585119.107	5043182.466
1200	7350808.764	5044374.297	6585114.691	5043176.937
1201	7350811.015	5044372.776	6585116.996	5043175.502
1202	7350792.369	5044388.421	6585097.782	5043190.437
1203	7350791.469	5044390.091	6585096.821	5043192.072
1204	7350792.279	5044391.731	6585097.569	5043193.740
1205	7350810.985	5044381.519	6585116.640	5043184.236
1206	7350811.275	5044381.349	6585116.936	5043184.077
1207	7350803.092	5044412.267	6585107.605	5043214.662
1208	7350803.822	5044413.198	6585108.300	5043215.620
1209	7350802.171	5044412.207	6585106.687	5043214.568
1210	7350812.245	5044389.531	6585117.599	5043192.288
1211	7350793.980	5044372.986	6585099.969	5043175.075
1212	7350794.330	5044373.296	6585100.307	5043175.398
1213	7350679.088	5044392.191	6584984.461	5043189.972
1214	7350674.847	5044394.192	6584980.149	5043191.813
1215	7350688.980	5044405.045	6584993.864	5043203.184
1216	7350715.767	5044413.077	6585020.327	5043212.209
1217	7350744.126	5044388.620	6585049.575	5043188.833
1218	7350747.186	5044401.844	6585052.138	5043202.160



1219	7350748.607	5044401.844	6585053.558	5043202.213
1220	7350749.897	5044400.234	6585054.907	5043200.653
1221	7350750.737	5044402.004	6585055.680	5043202.453
1222	7350752.748	5044403.395	6585057.637	5043203.917
1223	7350752.948	5044401.324	6585057.914	5043201.856
1224	7350754.858	5044403.665	6585059.735	5043204.266
1225	7350753.688	5044405.025	6585058.515	5043205.581
1226	7350757.369	5044405.135	6585062.189	5043205.828
1227	7350755.479	5044407.026	6585060.230	5043207.647
1228	7350755.669	5044408.736	6585060.356	5043209.363
1229	7350758.619	5044408.156	6585063.325	5043208.894
1230	7350757.929	5044409.816	6585062.574	5043210.526
1231	7350760.510	5044410.547	6585065.125	5043211.353
1232	7350759.289	5044411.777	6585063.859	5043212.536
1233	7350761.080	5044413.778	6585065.574	5043214.602
1234	7350761.470	5044415.558	6585065.897	5043216.395
1235	7350763.861	5044416.828	6585068.238	5043217.754
1236	7350764.241	5044414.968	6585068.688	5043215.909
1237	7350766.071	5044417.289	6585070.429	5043218.297
1238	7350764.761	5044418.259	6585069.084	5043219.217
1239	7350766.911	5044420.830	6585071.136	5043221.866
1240	7350768.492	5044419.149	6585072.779	5043220.246
1241	7350767.972	5044422.970	6585072.116	5043224.044
1242	7350769.732	5044424.070	6585073.834	5043225.209
1243	7350770.212	5044422.260	6585074.381	5043223.418
1244	7350770.532	5044425.131	6585074.593	5043226.299
1245	7350772.053	5044424.671	6585076.130	5043225.896
1246	7350813.583	5044484.478	6585115.390	5043287.201
1247	7350820.864	5044489.329	6585122.483	5043292.320
1248	7350823.835	5044505.724	6585124.839	5043308.811
1249	7350826.225	5044527.050	6585126.430	5043330.208
1250	7350810.681	5044500.792	6585111.881	5043303.392
1251	7350809.301	5044491.349	6585110.855	5043293.906
1252	7350787.575	5044481.967	6585089.498	5043283.721
1253	7350784.265	5044476.485	6585086.396	5043278.120
1254	7350778.343	5044480.156	6585080.342	5043281.567
1255	7350778.913	5044480.976	6585080.881	5043282.407
1256	7350831.007	5044500.312	6585132.207	5043303.672
1257	7350844.430	5044508.014	6585145.330	5043311.869
1258	7350858.074	5044514.886	6585158.706	5043319.244
1259	7350800.508	5044519.577	6585101.015	5043321.781
1260	7350809.841	5044517.497	6585110.418	5043320.051
1261	7350816.412	5044539.133	6585116.175	5043341.914
1262	7350832.037	5044512.105	6585132.795	5043315.493
1263	7350837.649	5044493.130	6585139.111	5043296.745
1264	7350845.771	5044501.473	6585146.914	5043305.384
1265	7350881.881	5044506.284	6585182.813	5043311.539
1266	7350906.037	5044526.750	6585206.183	5043332.889
1267	7350878.339	5044531.401	6585178.336	5043336.502
1268	7350857.073	5044536.322	6585156.905	5043340.624
1269	7350828.375	5044538.453	6585128.152	5043341.681
1270	7350822.193	5044542.624	6585121.820	5043345.618
1271	7350834.376	5044557.878	6585133.422	5043361.313
1272	7350851.721	5044564.060	6585150.521	5043368.138
1273	7350842.758	5044588.767	6585140.643	5043392.488
1274	7350836.096	5044605.562	6585133.360	5043409.019
1275	7350812.769	5044606.882	6585110.004	5043409.467
1276	7350819.391	5044588.837	6585117.294	5043391.685
1277	7350881.657	5044649.065	6585177.256	5043454.186
1278	7350815.999	5044694.038	6585109.976	5043496.667
5001	7350511.413	5044888.455	6584798.396	5043679.534
5002	7350507.392	5044892.266	6584794.236	5043683.191
5003	7350518.795	5044869.489	6584806.480	5043660.860
5004	7350487.087	5044842.081	6584775.824	5043632.292
5005	7350481.305	5044846.753	6584769.873	5043636.744
5006	7350503.892	5044841.871	6584792.622	5043632.710
5007	7350459.800	5044797.648	6584750.221	5043586.879
5008	7350455.059	5044804.420	6584745.231	5043593.468
5009	7350460.420	5044790.846	6584751.094	5043580.106



5010	7350462.061	5044789.245	6584752.794	5043578.568
5011	7350464.011	5044786.635	6584754.840	5043576.033
5012	7350466.822	5044783.434	6584757.768	5043572.940
5013	7350445.466	5044758.986	6584737.344	5043547.716
5014	7350443.366	5044760.127	6584735.203	5043548.777
5016	7350433.223	5044757.136	6584725.181	5043545.410
5017	7350429.052	5044760.177	6584720.900	5043548.293
5018	7350441.375	5044750.124	6584733.587	5043538.709
5019	7350443.816	5044747.963	6584736.107	5043536.641
5020	7350471.934	5044749.994	6584764.124	5043539.721
5021	7350471.664	5044733.079	6584764.486	5043522.810
5022	7350463.772	5044724.566	6584756.919	5043514.010
5023	7350433.813	5044743.001	6584726.298	5043531.310
5024	7350431.573	5044744.012	6584724.022	5043532.236
5025	7350421.430	5044722.435	6584714.694	5043510.299
5026	7350419.799	5044724.246	6584712.997	5043512.048
5027	7350424.141	5044722.645	6584717.395	5043510.610
5028	7350428.622	5044718.924	6584722.011	5043507.060
5029	7350412.667	5044725.436	6584705.827	5043512.970
5030	7350408.966	5044727.147	6584702.065	5043514.542
5031	7350410.977	5044705.180	6584704.895	5043492.669
5031	7350410.447	5044704.920	6584704.375	5043492.390
5032	7350417.899	5044697.778	6584712.088	5043485.532
5033	7350420.040	5044716.353	6584713.533	5043504.171
5034	7350418.579	5044702.149	6584712.604	5043489.925
5035	7350426.351	5044702.329	6584720.362	5043490.395
5036	7350428.212	5044693.207	6584722.562	5043481.351
5037	7350435.264	5044678.882	6584730.143	5043467.302
5038	7350443.156	5044684.194	6584737.830	5043472.904
5039	7350443.956	5044695.817	6584738.195	5043484.546
5040	7350403.785	5044711.632	6584697.469	5043498.847
5041	7350399.984	5044713.913	6584693.586	5043500.984
5042	7350403.975	5044699.378	6584698.116	5043486.611
5043	7350408.016	5044696.918	6584702.245	5043484.304
5044	7350414.758	5044692.946	6584709.130	5043480.587
5045	7350415.709	5044692.406	6584710.100	5043480.083
5046	7350403.445	5044705.080	6584697.374	5043492.288
5047	7350397.754	5044696.507	6584692.008	5043483.510
5048	7350399.384	5044707.981	6584693.208	5043495.035
5049	7350383.330	5044655.175	6584679.141	5043441.676
5050	7350381.239	5044654.205	6584677.088	5043440.628
5051	7350396.703	5044685.324	6584691.376	5043472.297
5052	7350395.013	5044686.504	6584689.643	5043473.413
5053	7350385.490	5044678.532	6584680.426	5043465.093
5054	7350383.670	5044680.452	6584678.536	5043466.943
5055	7350366.985	5044678.922	6584661.923	5043464.791
5056	7350359.973	5044680.302	6584654.866	5043465.908
5057	7350349.000	5044682.753	6584643.811	5043467.947
5058	7350376.328	5044668.809	6584671.636	5043455.036
5059	7350374.807	5044670.249	6584670.062	5043456.418
5060	7350371.517	5044665.258	6584666.961	5043451.308
5061	7350374.848	5044658.206	6584670.553	5043444.387
1377	7350379.179	5044647.363	6584675.285	5043433.715
1378	7350388.331	5044652.134	6584684.251	5043438.824
1379	7350382.860	5044650.233	6584678.856	5043436.720
1380	7350385.811	5044646.612	6584681.939	5043433.213
1381	7350385.281	5044642.891	6584681.549	5043429.475
1382	7350400.315	5044641.721	6584696.613	5043428.868
1383	7350405.966	5044639.500	6584702.342	5043426.860
1384	7350409.917	5044637.850	6584706.351	5043425.359
1385	7350417.970	5044634.429	6584714.525	5043422.242
1386	7350397.854	5044638.050	6584694.291	5043425.108
1387	7350381.500	5044630.027	6584678.252	5043416.482
1388	7350405.586	5044620.175	6584702.684	5043407.538
1389	7350390.612	5044650.894	6584686.576	5043437.670
1390	7350387.461	5044646.102	6584683.607	5043432.765
1391	7350391.502	5044652.354	6584687.411	5043439.162
1392	7350392.492	5044651.774	6584688.422	5043438.620
1393	7350393.463	5044653.294	6584689.335	5043440.175



1394	7350392.392	5044653.915	6584688.242	5043440.755
1395	7350395.823	5044651.914	6584691.744	5043438.884
1396	7350398.884	5044657.136	6584694.608	5043444.216
1397	7350397.194	5044662.197	6584692.730	5043449.209
1398	7350398.504	5044660.487	6584694.103	5043447.550
1399	7350407.707	5044656.035	6584703.464	5043443.445
1401	7350409.007	5044658.236	6584704.681	5043445.693
1402	7350404.806	5044660.717	6584700.391	5043448.015
1403	7350409.537	5044668.669	6584704.820	5043456.137
1404	7350401.135	5044668.679	6584696.425	5043455.833
1405	7350397.784	5044662.977	6584693.290	5043450.011
1406	7350402.095	5044675.381	6584697.134	5043462.565
1407	7350407.206	5044681.053	6584702.029	5043468.423
1408	7350408.177	5044681.323	6584702.989	5043468.729
1409	7350407.977	5044679.672	6584702.851	5043467.072
1410	7350409.327	5044681.863	6584704.118	5043469.311
1411	7350415.589	5044692.426	6584709.980	5043480.099
1412	7350417.199	5044673.631	6584712.290	5043461.380
1413	7350410.787	5044678.972	6584705.684	5043466.477
1414	7350424.801	5044672.250	6584719.937	5043460.285
1415	7350427.212	5044673.941	6584722.283	5043462.064
1416	7350429.112	5044673.161	6584724.210	5043461.356
1417	7350423.481	5044668.389	6584718.763	5043456.378
1418	7350421.670	5044662.297	6584717.181	5043450.223
1419	7350420.640	5044658.216	6584716.304	5043446.108
1420	7350415.349	5044639.170	6584711.729	5043426.881
1421	7350419.070	5044638.260	6584715.481	5043426.111
1422	7350409.137	5044647.823	6584705.199	5043435.294
1423	7350408.227	5044647.543	6584704.301	5043434.980
1424	7350405.296	5044640.631	6584701.630	5043427.965
1425	7350375.468	5044640.811	6584671.822	5043427.031
1427	7350395.104	5044617.184	6584692.323	5043404.158
1428	7350425.322	5044597.668	6584723.244	5043385.788
1429	7350451.770	5044586.695	6584750.078	5043375.813
1430	7350481.419	5044569.511	6584780.343	5043359.751
1431	7350515.238	5044550.165	6584814.855	5043341.686
1432	7350542.427	5044527.339	6584842.872	5043319.896
1433	7350562.933	5044501.612	6584864.321	5043294.957
1434	7350581.709	5044483.197	6584883.768	5043277.260
1435	7350595.053	5044467.322	6584897.693	5043261.897
1436	7350602.595	5044443.706	6584906.111	5043238.584
2082	7351351.288	5044650.431	6585646.422	5043473.094
2083	7351347.897	5044642.588	6585643.327	5043465.131
2084	7351349.848	5044641.168	6585645.329	5043463.785
2085	7351350.988	5044640.748	6585646.484	5043463.408
2086	7351359.991	5044641.668	6585655.445	5043464.663
2087	7351361.291	5044640.218	6585656.798	5043463.263
2088	7351365.422	5044638.037	6585661.006	5043461.239
2089	7351382.677	5044654.002	6585677.650	5043477.834
2090	7351372.594	5044659.173	6585667.383	5043482.624
2091	7351370.414	5044660.234	6585665.165	5043483.602
2092	7351365.482	5044663.265	6585660.124	5043486.447
2093	7351364.162	5044664.095	6585658.774	5043487.227
2094	7351362.391	5044665.705	6585656.945	5043488.769
2095	7351362.021	5044666.035	6585656.563	5043489.085
2096	7351371.984	5044682.220	6585665.912	5043505.628
2097	7351372.174	5044681.800	6585666.118	5043505.215
2098	7351374.044	5044680.450	6585668.036	5043503.936
2099	7351375.145	5044678.919	6585669.194	5043502.448
2100	7351377.996	5044676.128	6585672.146	5043499.766
2101	7351380.446	5044676.469	6585674.582	5043500.198
2102	7351355.889	5044667.486	6585650.382	5043490.306
2103	7351391.569	5044690.003	6585685.189	5043514.136
2104	7351389.749	5044690.723	6585683.344	5043514.787
2105	7351388.398	5044692.733	6585681.919	5043516.745
2106	7351386.308	5044696.784	6585679.680	5043520.714
2107	7351384.447	5044696.945	6585677.814	5043520.805
2108	7351382.596	5044698.075	6585675.923	5043521.865
2109	7351382.126	5044698.285	6585675.445	5043522.058



2110	7351380.926	5044706.477	6585673.940	5043530.197
2111	7351396.690	5044721.352	6585689.135	5043545.648
2112	7351396.900	5044721.172	6585689.351	5043545.476
2113	7351398.971	5044719.731	6585691.474	5043544.114
2114	7351400.121	5044718.861	6585692.656	5043543.288
2115	7351401.012	5044714.680	6585693.702	5043539.144
2116	7351402.862	5044713.349	6585695.600	5043537.883
2117	7351404.033	5044711.909	6585696.824	5043536.488
2118	7351406.083	5044736.506	6585697.953	5043561.140
2119	7351406.393	5044736.296	6585698.271	5043560.942
2120	7351408.473	5044734.956	6585700.399	5043559.680
2121	7351409.734	5044734.206	6585701.687	5043558.978
2122	7351415.816	5044735.276	6585707.724	5043560.274
2123	7351415.966	5044732.375	6585707.982	5043557.382
2124	7351418.126	5044730.485	6585710.211	5043555.574
2125	7351417.376	5044746.289	6585708.871	5043571.336
2126	7351417.736	5044745.949	6585709.243	5043571.010
2127	7351409.683	5044755.452	6585700.842	5043580.204
2128	7351415.945	5044752.671	6585707.203	5043577.659
2129	7351416.956	5044753.281	6585708.190	5043578.306
2130	7351418.916	5044752.231	6585710.188	5043577.330
2131	7351425.658	5044748.190	6585717.075	5043573.545
2132	7351427.499	5044747.179	6585718.952	5043572.603
2133	7351429.700	5044746.259	6585721.185	5043571.766
2134	7351421.447	5044750.550	6585712.779	5043575.745
2135	7351419.486	5044750.020	6585710.840	5043575.143
2227	7351483.553	5044871.556	6585770.310	5043698.965
2228	7351486.103	5044875.687	6585772.704	5043703.188
2229	7351481.532	5044868.525	6585768.404	5043695.861
2230	7351476.851	5044861.123	6585764.004	5043688.291
2231	7351476.881	5044861.173	6585764.032	5043688.342
2232	7351474.410	5044857.212	6585761.711	5043684.292
2233	7351468.109	5044847.189	6585755.790	5043674.043
2234	7351465.128	5044842.367	6585752.992	5043669.113
2235	7351457.896	5044847.139	6585745.588	5043673.611
2236	7351460.737	5044851.940	6585748.247	5043678.514
2237	7351474.160	5044856.852	6585761.475	5043683.923
2238	7351440.932	5044803.846	6585730.256	5043629.722
2239	7351451.945	5044821.421	6585740.603	5043647.693
2240	7351453.875	5044824.532	6585742.415	5043650.874
2241	7351448.523	5044823.532	6585737.105	5043649.675
2242	7351449.234	5044827.113	6585737.682	5043653.279
2243	7351448.923	5044841.227	6585736.844	5043667.369
4062	7350908.417	5044463.713	6585210.916	5043269.997
4063	7350901.637	5044454.215	6585204.496	5043260.254
4064	7350895.084	5044458.907	6585197.774	5043264.697
4065	7350890.753	5044452.957	6585193.669	5043258.591
4066	7350897.435	5044448.347	6585200.517	5043254.234
4067	7350890.626	5044438.920	6585194.066	5043244.561
4068	7350945.171	5044399.783	6585250.025	5043207.496
4069	7350951.383	5044396.314	6585256.361	5043204.262
4070	7350957.859	5044386.956	6585263.181	5043195.154
4071	7350960.048	5044387.796	6585265.337	5043196.076
4072	7350960.524	5044385.690	6585265.891	5043193.989
4073	7350946.745	5044391.439	6585251.910	5043199.218
4074	7350911.374	5044416.764	6585215.624	5043223.200
4075	7350914.832	5044421.575	6585218.899	5043228.136
4076	7350887.239	5044434.060	6585190.864	5043239.579
4077	7350880.936	5044425.331	6585184.893	5043230.622
4078	7350874.152	5044431.575	6585177.881	5043236.607
4079	7350865.588	5044423.414	6585169.630	5043228.134
4080	7350875.615	5044418.002	6585179.850	5043223.101
4081	7350869.363	5044409.269	6585173.930	5043214.142
4082	7350878.563	5044431.950	6585182.274	5043237.147
4083	7350878.437	5044432.176	6585182.140	5043237.368
4084	7350879.150	5044433.704	6585182.795	5043238.921
4085	7350862.473	5044407.509	6585167.112	5043212.126
4086	7350865.096	5044415.932	6585169.418	5043220.640
4087	7350864.395	5044418.707	6585168.614	5043223.386



4088	7350867.445	5044418.827	6585171.656	5043223.620
4089	7350855.937	5044412.386	6585160.399	5043216.755
4090	7350856.878	5044411.624	6585161.368	5043216.029
4091	7350837.852	5044387.340	6585143.266	5043191.055
4092	7350838.726	5044386.708	6585144.163	5043190.457
4093	7350844.358	5044382.778	6585149.936	5043186.741
4094	7350844.700	5044381.062	6585150.342	5043185.039
4095	7350846.691	5044379.652	6585152.384	5043183.704
4096	7350856.702	5044367.904	6585162.825	5043172.341
4097	7350855.175	5044368.191	6585161.289	5043172.570
4098	7350858.445	5044365.305	6585164.664	5043169.809
4099	7350876.395	5044352.319	6585183.083	5043157.505
4100	7350878.819	5044357.827	6585185.299	5043163.099
4101	7350899.278	5044335.754	6585206.564	5043141.809
4102	7350908.658	5044336.232	6585215.918	5043142.637
4103	7350829.445	5044341.283	6585136.586	5043144.725
4104	7350825.434	5044339.601	6585132.642	5043142.895
4105	7350824.510	5044340.243	6585131.695	5043143.502
4106	7350822.905	5044338.010	6585130.174	5043141.211
4107	7350823.777	5044337.403	6585131.068	5043140.637
4108	7350827.847	5044338.670	6585135.087	5043142.055
4109	7350836.150	5044334.542	6585143.537	5043138.241
4110	7350840.267	5044340.210	6585147.439	5043144.057
4111	7350852.338	5044356.785	6585158.880	5043161.069
4112	7350848.545	5044367.265	6585154.699	5043171.398
4113	7350841.182	5044330.319	6585148.723	5043134.209
4114	7350855.755	5044320.403	6585163.653	5043124.846
4115	7350861.508	5044316.264	6585169.556	5043120.926
4116	7350876.990	5044304.987	6585185.445	5043110.237
4117	7350877.828	5044304.369	6585186.306	5043109.651
4118	7350865.395	5044279.324	6585174.819	5043084.164
4119	7350846.302	5044289.565	6585155.360	5043093.682
4120	7350845.498	5044298.293	6585154.231	5043102.373
4121	7350846.685	5044299.090	6585155.387	5043103.213
4122	7350866.675	5044285.413	6585175.871	5043090.295
4123	7350867.372	5044286.027	6585176.544	5043090.935
4124	7350865.916	5044282.769	6585175.211	5043087.625
4125	7350879.746	5044276.748	6585189.254	5043082.126
4126	7350882.845	5044276.243	6585192.369	5043081.737
4127	7350881.375	5044273.472	6585191.004	5043078.914
4128	7350880.671	5044271.075	6585190.390	5043076.492
4129	7350892.433	5044264.750	6585202.378	5043070.612
4130	7350892.971	5044266.802	6585202.838	5043072.683
4131	7350898.914	5044276.182	6585208.426	5043082.276
4132	7350900.490	5044279.134	6585209.890	5043085.285
4133	7350906.364	5044289.357	6585215.377	5043095.718
4134	7350890.924	5044295.780	6585199.711	5043101.559
4135	7350820.692	5044299.375	6585129.407	5043102.527
4136	7350835.405	5044288.727	6585144.504	5043092.438
4137	7350837.535	5044285.438	6585146.755	5043089.232
4138	7350820.725	5044285.784	6585129.947	5043088.949
4139	7350791.026	5044304.613	6585099.571	5043106.652
4140	7350764.147	5044321.610	6585072.081	5043122.630
4141	7350762.728	5044323.499	6585070.593	5043124.465
4142	7350760.422	5044321.288	6585068.371	5043122.170
4143	7350764.216	5044321.381	6585072.158	5043122.404
4144	7350792.160	5044301.161	6585100.833	5043103.246
4145	7350793.262	5044303.005	6585101.865	5043105.129
4146	7350795.477	5044301.646	6585104.129	5043103.854
4154	7350844.201	5044288.859	6585153.288	5043092.899
4155	7350862.705	5044277.155	6585172.212	5043081.896
4156	7350878.023	5044268.328	6585187.847	5043073.649
4157	7350882.899	5044263.262	6585192.908	5043068.770
4158	7350880.625	5044259.704	6585190.769	5043065.130
4159	7350892.729	5044262.285	6585202.765	5043068.161
4160	7350902.406	5044261.844	6585212.450	5043068.081
4161	7350904.151	5044264.223	6585214.105	5043070.524
4162	7350906.843	5044269.858	6585216.584	5043076.254
4163	7350902.210	5044257.094	6585212.432	5043063.328



4164	7350915.739	5044255.854	6585225.995	5043062.595
4165	7350916.751	5044257.440	6585226.947	5043064.217
4166	7350918.865	5044261.609	6585228.904	5043068.461
4167	7350919.235	5044264.227	6585229.176	5043071.091
4168	7350925.388	5044257.337	6585235.580	5043064.437
4169	7350924.304	5044252.741	6585234.669	5043059.804
4170	7350925.051	5044248.642	6585235.569	5043055.737
4171	7350928.811	5044251.339	6585239.224	5043058.572
4172	7350934.357	5044252.853	6585244.709	5043060.292
4173	7350934.286	5044249.876	6585244.749	5043057.315
4174	7350940.715	5044251.499	6585251.112	5043059.177
4175	7350940.940	5044253.407	6585251.266	5043061.091
4176	7350940.463	5044248.300	6585250.980	5043055.971
4177	7350939.043	5044241.841	6585249.802	5043049.465
4178	7350937.662	5044238.223	6585248.558	5043045.798
4179	7350930.358	5044222.481	6585241.848	5043029.797
4180	7350927.544	5044217.040	6585239.240	5043024.256
4181	7350908.382	5044229.548	6585219.627	5043036.037
4182	7350912.250	5044231.501	6585223.419	5043038.133
4183	7350909.782	5044242.688	6585220.535	5043049.218
4184	7350945.614	5044221.506	6585257.127	5043029.393
4185	7350957.141	5044208.550	6585269.128	5043016.879
4186	7350963.363	5044194.321	6585275.876	5043002.895
4187	7350961.140	5044220.162	6585272.689	5043028.630
4188	7350963.301	5044224.613	6585274.682	5043033.158
4189	7350962.490	5044231.938	6585273.598	5043040.446
4190	7350965.607	5044237.279	6585276.513	5043045.899
4191	7350949.434	5044239.440	6585260.274	5043047.454
4192	7350947.898	5044246.930	6585258.459	5043054.880
4193	7350948.630	5044249.316	6585259.102	5043057.291
4194	7350948.813	5044251.032	6585259.220	5043059.012
4195	7350955.059	5044246.019	6585265.648	5043054.237
4196	7350955.197	5044248.671	6585265.687	5043056.892
4197	7350955.153	5044250.439	6585265.577	5043058.657
4198	7350962.998	5044245.616	6585273.595	5043054.131
4199	7350962.430	5044249.815	6585272.871	5043058.305
4200	7350961.483	5044251.875	6585271.848	5043060.328
4201	7350966.547	5044251.592	6585276.918	5043060.234
4202	7350968.008	5044245.476	6585278.606	5043054.178
4203	7350967.930	5044243.185	6585278.614	5043051.886
4204	7350976.184	5044245.570	6585286.771	5043054.578
4205	7350976.136	5044247.866	6585286.637	5043056.870
4206	7350976.398	5044243.127	6585287.076	5043052.145
4207	7350973.165	5044232.847	6585284.230	5043041.753
4208	7350970.971	5044227.044	6585282.255	5043035.873
4209	7350980.882	5044228.414	6585292.106	5043037.612
4210	7350990.196	5044237.122	6585301.086	5043046.660
4211	7350989.520	5044239.733	6585300.313	5043049.244
4212	7350985.918	5044238.843	6585296.748	5043048.220
4213	7350986.589	5044236.185	6585297.518	5043045.590
4428	7350431.979	5044708.385	6584725.759	5043496.656
4429	7350431.047	5044704.342	6584724.979	5043492.582
4430	7350425.601	5044704.643	6584719.526	5043492.679
4431	7350427.010	5044703.372	6584720.982	5043491.462
4432	7350425.497	5044697.256	6584719.698	5043485.295
4433	7350427.130	5044697.925	6584721.305	5043486.024
4434	7350420.498	5044705.130	6584714.410	5043492.975
4435	7350420.178	5044716.011	6584713.684	5043503.834
4436	7350438.996	5044705.351	6584732.883	5043493.887
4437	7350437.120	5044701.755	6584731.143	5043490.224
4438	7350446.698	5044698.203	6584740.845	5043487.033
4439	7350441.570	5044696.773	6584735.775	5043485.412
4440	7350447.400	5044686.881	6584741.970	5043475.747
4441	7350444.062	5044678.646	6584738.942	5043467.394
4442	7350440.724	5044673.628	6584735.795	5043462.256
4443	7350436.692	5044674.218	6584731.744	5043462.695
4444	7350435.153	5044670.778	6584730.335	5043459.201
4445	7350431.280	5044682.035	6584726.045	5043470.303
4446	7350433.748	5044683.351	6584728.462	5043471.710



4447	7350436.257	5044662.192	6584731.759	5043450.663
4448	7350431.265	5044645.003	6584727.413	5043433.303
4449	7350419.564	5044638.939	6584715.949	5043426.807
4450	7350436.369	5044640.314	6584732.688	5043428.809
4451	7350446.668	5044648.052	6584742.689	5043436.925
4452	7350460.446	5044647.065	6584756.491	5043436.453
4453	7350452.861	5044636.319	6584749.314	5043425.434
4454	7350452.171	5044630.358	6584748.848	5043419.452
4455	7350452.185	5044625.903	6584749.028	5043415.002
4456	7350439.041	5044608.268	6584736.555	5043396.891
4457	7350477.906	5044624.503	6584774.779	5043414.564
4458	7350481.902	5044630.890	6584778.533	5043421.094
4459	7350473.848	5044616.509	6584771.023	5043406.425
4460	7350471.743	5044611.778	6584769.096	5043401.620
4461	7350458.819	5044596.575	6584756.752	5043385.947
4462	7350475.595	5044588.174	6584773.827	5043378.180
4463	7350481.857	5044603.226	6584779.521	5043393.453
4464	7350484.862	5044607.183	6584782.376	5043397.519
4465	7350487.543	5044613.079	6584784.834	5043403.510
4466	7350491.495	5044614.941	6584788.713	5043405.518
4467	7350502.375	5044606.002	6584799.917	5043396.993
4468	7350500.108	5044603.571	6584797.743	5043394.479
4469	7350507.317	5044615.853	6584804.487	5043407.020
4470	7350488.928	5044639.961	6584785.214	5043430.420
4471	7350495.374	5044653.106	6584791.163	5043443.794
4472	7350511.453	5044661.267	6584806.923	5043452.548
4473	7350527.538	5044644.569	6584823.617	5043436.466
4474	7350548.114	5044655.621	6584843.762	5043448.277
4475	7350535.162	5044672.909	6584830.176	5043465.066
4476	7350559.695	5044645.115	6584855.725	5043438.213
4477	7350546.807	5044631.547	6584843.356	5043424.175
4478	7350540.683	5044619.787	6584837.676	5043412.197
4479	7350543.823	5044612.396	6584841.090	5043404.930
4480	7350534.573	5044622.866	6584831.457	5043415.045
4481	7350531.472	5044613.389	6584828.712	5043405.460
4482	7350523.361	5044605.624	6584820.899	5043397.399
4483	7350512.769	5044592.961	6584810.789	5043384.352
4484	7350506.614	5044586.019	6584804.899	5043377.186
4485	7350504.080	5044583.117	6584802.476	5043374.192
4486	7350496.368	5044575.600	6584795.051	5043366.393
4487	7350531.218	5044599.441	6584828.980	5043391.515
4488	7350541.566	5044589.754	6584839.680	5043382.223
4489	7350558.257	5044590.661	6584856.323	5043383.753
4490	7350552.474	5044611.230	6584849.777	5043404.088
4491	7350561.056	5044610.682	6584858.371	5043403.861
4492	7350571.741	5044621.258	6584868.652	5043414.827
4493	7350581.225	5044634.321	6584877.640	5043428.232
4494	7350566.104	5044639.497	6584862.339	5043432.839
4495	7350521.300	5044592.979	6584819.312	5043384.688
4496	7350515.443	5044588.282	6584813.636	5043379.777
4497	7350510.714	5044581.695	6584809.157	5043373.019
4498	7350507.231	5044580.174	6584805.734	5043371.369
4499	7350501.412	5044572.423	6584800.209	5043363.408
4500	7350531.673	5044549.206	6584831.311	5043341.342
4501	7350536.755	5044555.059	6584836.170	5043347.379
4502	7350540.145	5044557.814	6584839.454	5043350.258
4503	7350527.400	5044575.841	6584826.047	5043367.793
4504	7350524.152	5044579.655	6584822.659	5043371.483
4505	7350530.363	5044582.068	6584828.774	5043374.126
4506	7350535.430	5044576.562	6584834.043	5043368.814
4507	7350540.958	5044572.702	6584839.710	5043365.164
4508	7350547.093	5044579.398	6584845.589	5043372.083
4509	7350555.705	5044581.195	6584854.127	5043374.200
4510	7350561.954	5044584.704	6584860.239	5043377.939
4511	7350567.793	5044574.440	6584866.456	5043367.903
4512	7350562.022	5044571.196	6584860.812	5043364.446
4513	7350564.650	5044565.492	6584863.650	5043358.845
4514	7350566.192	5044560.570	6584865.375	5043353.985
4515	7350553.542	5044558.019	6584852.831	5043350.964



4516	7350570.822	5044565.479	6584869.817	5043359.063
4517	7350576.617	5044566.665	6584875.563	5043360.464
4518	7350571.455	5044576.270	6584870.047	5043369.868
4519	7350568.973	5044581.106	6584867.386	5043374.607
4520	7350572.484	5044584.095	6584870.782	5043377.724
4521	7350579.675	5044575.733	6584878.279	5043369.638
4522	7350584.320	5044564.101	6584883.355	5043358.190
4523	7350591.937	5044573.369	6584890.619	5043367.734
4524	7350582.745	5044588.413	6584880.873	5043382.422
4525	7350598.826	5044554.520	6584898.206	5043349.159
4526	7350573.444	5044555.915	6584872.794	5043349.605
4527	7350570.902	5044552.883	6584870.368	5043346.481
4528	7350565.645	5044555.448	6584865.020	5043348.847
4529	7350571.276	5044546.140	6584870.993	5043339.758
4530	7350565.511	5044540.678	6584865.437	5043334.085
4531	7350560.703	5044535.429	6584860.830	5043328.661
4532	7350552.423	5044527.135	6584852.867	5043320.065
4533	7350551.228	5044526.196	6584851.708	5043319.082
4534	7350619.211	5044532.427	6584919.398	5043327.847
4535	7350598.537	5044538.656	6584898.510	5043333.299
4536	7350598.770	5044517.800	6584899.522	5043312.470
4537	7350592.293	5044511.196	6584893.297	5043305.630
4538	7350590.185	5044508.798	6584891.280	5043303.155
4539	7350587.284	5044505.337	6584888.511	5043299.589
4540	7350578.930	5044497.428	6584880.460	5043291.375
4541	7350576.307	5044524.030	6584876.846	5043317.855
4542	7350572.757	5044522.092	6584873.371	5043315.786
4543	7350584.688	5044541.154	6584884.580	5043335.277
4544	7350602.706	5044558.526	6584901.933	5043353.307
4545	7350600.936	5044568.733	6584899.783	5043363.439
4546	7350629.611	5044510.989	6584930.590	5043306.817
4547	7350618.360	5044504.550	6584919.589	5043299.963
4548	7350616.642	5044502.123	6584917.963	5043297.474
4549	7350608.006	5044495.315	6584909.589	5043290.350
4550	7350606.606	5044493.413	6584908.262	5043288.397
4551	7350604.141	5044491.093	6584905.886	5043285.987
4552	7350599.674	5044474.732	6584902.034	5043269.474
4553	7350601.442	5044504.057	6584902.705	5043298.839
4554	7350628.540	5044492.813	6584930.199	5043288.617
4555	7350616.922	5044482.956	6584918.959	5043278.335
4556	7350614.526	5044480.555	6584916.655	5043275.846
4557	7350603.848	5044470.356	6584906.367	5043265.257
4558	7350631.199	5044463.285	6584933.958	5043259.214
4559	7350629.068	5044455.467	6584932.121	5043251.324
4560	7350639.055	5044452.580	6584942.207	5043248.812
4561	7350642.925	5044443.281	6584946.421	5043239.666
4562	7350643.984	5044453.976	6584947.080	5043250.391
4563	7350635.765	5044462.237	6584938.559	5043258.338
4564	7350640.223	5044472.005	6584942.649	5043268.264
4565	7350635.520	5044477.061	6584937.761	5043273.139
4566	7350637.991	5044483.595	6584939.986	5043279.760
4567	7350651.811	5044483.328	6584953.803	5043280.009
4568	7350654.148	5044479.944	6584956.265	5043276.716
4569	7350662.808	5044484.531	6584964.746	5043281.622
4570	7350662.872	5044479.905	6584964.983	5043277.003
4571	7350660.984	5044475.795	6584963.250	5043272.826
4572	7350654.161	5044468.516	6584956.705	5043265.298
4573	7350673.629	5044477.730	6584975.811	5043275.231
4574	7350645.885	5044498.622	6584947.311	5043295.069

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GriderWeb Korisnik: Geosystem doo

Gaus-Krigerova projekcija - Bessel

	7. sistem		6. sistem	
SP1	7350661.838	5044857.035	6584949.862	5043653.761
SP1	7350661.847	5044857.043	6584949.871	5043653.769
SP1	7350661.846	5044857.032	6584949.870	5043653.758
SP2	7350550.996	5044937.353	6584836.117	5043729.867
SP2	7350551.003	5044937.358	6584836.124	5043729.872
SP2	7350550.998	5044937.362	6584836.119	5043729.876
SP3	7350789.668	5044755.904	6585081.357	5043557.494
SP3	7350789.678	5044755.900	6585081.367	5043557.491
SP3	7350789.681	5044755.893	6585081.370	5043557.484
170	7350798.795	5044779.392	6585089.598	5043581.303
171	7350812.899	5044794.209	6585103.136	5043596.633
172	7350825.591	5044784.572	6585116.177	5043587.479
173	7350816.590	5044773.578	6585107.595	5043576.158
174	7350808.458	5044761.243	6585099.931	5043563.531
175	7350805.955	5044757.704	6585097.562	5043559.901
176	7350804.230	5044754.899	6585095.943	5043557.034
177	7350800.681	5044750.013	6585092.580	5043552.020
178	7350799.861	5044748.728	6585091.809	5043550.705
179	7350800.404	5044742.402	6585092.588	5043544.405
180	7350793.877	5044734.265	6585086.370	5043536.032
181	7350791.198	5044729.586	6585083.869	5043531.257
182	7350789.527	5044727.261	6585082.286	5043528.871
183	7350766.666	5044757.879	6585058.301	5043558.608
184	7350760.112	5044750.998	6585052.010	5043551.489
185	7350759.169	5044749.230	6585051.134	5043549.687
186	7350749.312	5044770.454	6585040.493	5043570.524
187	7350742.401	5044762.897	6585033.870	5043562.715
188	7350744.077	5044756.508	6585035.783	5043556.395
189	7350726.887	5044780.725	6585017.704	5043579.948
190	7350722.549	5044776.078	6585013.543	5043575.143
191	7350721.824	5044775.287	6585012.849	5043574.326
192	7350707.611	5044794.759	6584997.921	5043593.250
193	7350705.699	5044792.158	6584996.108	5043590.580
194	7350704.215	5044789.318	6584994.731	5043587.687
195	7350703.367	5044788.304	6584993.922	5043586.642
196	7350690.460	5044806.274	6584980.355	5043604.114
197	7350686.425	5044802.232	6584976.474	5043599.925
198	7350685.901	5044801.253	6584975.987	5043598.927
199	7350693.873	5044814.126	6584983.471	5043612.086
200	7350673.537	5044828.549	6584962.615	5043625.737
201	7350667.408	5044821.584	6584956.751	5043618.549
202	7350668.957	5044811.856	6584958.662	5043608.888
203	7350646.765	5044837.104	6584935.547	5043633.284
204	7350643.173	5044832.843	6584932.117	5043628.893
205	7350641.862	5044830.756	6584930.885	5043626.759
206	7350632.283	5044847.491	6584920.689	5043643.121
207	7350630.802	5044840.262	6584919.480	5043635.843
208	7350630.281	5044838.506	6584919.025	5043634.069
209	7350618.776	5044858.484	6584906.784	5043653.600
210	7350609.786	5044865.105	6584897.554	5043659.879
211	7350604.633	5044860.617	6584892.574	5043655.203
212	7350603.071	5044858.874	6584891.078	5043653.403
213	7350600.617	5044872.257	6584888.126	5043666.682
214	7350595.451	5044867.386	6584883.147	5043661.623
215	7350594.157	5044865.594	6584881.921	5043659.784
216	7350586.155	5044880.839	6584873.356	5043674.717
217	7350583.238	5044877.258	6584870.576	5043671.030
218	7350583.271	5044872.854	6584870.773	5043666.631



219	7350570.207	5044892.951	6584856.970	5043686.222
220	7350567.140	5044890.290	6584854.005	5043683.449
221	7350560.909	5044887.135	6584847.898	5043680.064
222	7350548.573	5044909.017	6584834.755	5043701.466
223	7350545.760	5044905.449	6584832.078	5043697.796
224	7350545.115	5044900.746	6584831.609	5043693.073
225	7350541.230	5044898.114	6584827.826	5043690.298
226	7350536.147	5044900.786	6584822.648	5043692.778
227	7350539.896	5044908.336	6584826.111	5043700.461
228	7350537.218	5044905.580	6584823.539	5043697.608
229	7350534.491	5044913.154	6584820.531	5043705.073
230	7350531.611	5044906.948	6584817.885	5043698.765
231	7350528.939	5044908.286	6584815.166	5043700.002
232	7350526.616	5044909.244	6584812.809	5043700.872
233	7350524.095	5044899.263	6584810.663	5043690.806
234	7350521.856	5044900.473	6584808.381	5043691.931
235	7350517.937	5044890.875	6584804.824	5043682.195
236	7350519.951	5044889.737	6584806.879	5043681.134
237	7350522.283	5044888.945	6584809.238	5043680.429
238	7350514.275	5044879.318	6584801.597	5043670.512
239	7350512.410	5044880.378	6584799.694	5043671.501
240	7350506.884	5044865.274	6584794.737	5043656.204
241	7350504.493	5044866.145	6584792.316	5043656.985
242	7350509.417	5044864.828	6584797.284	5043655.853
243	7350502.780	5044857.407	6584790.931	5043648.191
244	7350500.708	5044858.329	6584788.826	5043649.035
245	7350494.215	5044841.482	6584782.968	5043631.960
246	7350496.518	5044840.405	6584785.309	5043630.970
247	7350492.271	5044842.247	6584780.997	5043632.652
248	7350484.852	5044824.969	6584774.230	5043615.112
249	7350482.650	5044825.902	6584771.995	5043615.962
250	7350487.379	5044824.227	6584776.783	5043614.465
251	7350472.222	5044803.499	6584762.413	5043593.189
252	7350469.631	5044803.917	6584759.809	5043593.510
253	7350474.150	5044801.863	6584764.401	5043591.626
254	7350463.956	5044792.217	6584754.576	5043581.608
255	7350462.070	5044793.426	6584752.647	5043582.746
256	7350466.398	5044790.775	6584757.070	5043580.259
257	7350533.148	5044913.725	6584819.168	5043705.593
258	7350531.558	5044915.697	6584817.506	5043707.504
259	7350529.332	5044917.661	6584815.208	5043709.383
260	7350536.109	5044926.078	6584821.665	5043718.046
261	7350538.475	5044923.388	6584824.129	5043715.447
262	7350540.449	5044921.575	6584826.169	5043713.709
263	7350541.808	5044920.324	6584827.574	5043712.510
264	7350547.361	5044916.225	6584833.275	5043708.622
265	7350546.974	5044924.698	6584832.572	5043717.073
266	7350545.982	5044926.418	6584831.516	5043718.755
267	7350544.254	5044928.442	6584829.714	5043720.712
268	7350551.070	5044934.760	6584836.288	5043727.279
269	7350552.684	5044933.144	6584837.961	5043725.725
270	7350550.508	5044938.163	6584835.600	5043730.658
271	7350554.094	5044924.737	6584839.684	5043717.378
272	7350557.330	5044938.292	6584842.411	5043731.042
273	7350556.005	5044940.550	6584841.003	5043733.249
274	7350561.952	5044955.158	6584846.399	5043748.066
275	7350572.800	5044954.854	6584857.248	5043748.167
276	7350575.801	5044937.986	6584860.877	5043731.426
277	7350578.188	5044924.282	6584863.774	5043717.824
278	7350570.499	5044915.028	6584856.437	5043708.291
279	7350572.990	5044905.719	6584859.274	5043699.083
280	7350580.528	5044913.607	6584866.510	5043707.245
281	7350591.688	5044902.087	6584878.091	5043696.152
282	7350597.062	5044888.200	6584883.979	5043682.479
283	7350604.324	5044885.750	6584891.326	5043680.302
284	7350602.687	5044882.168	6584889.824	5043676.662
285	7350594.954	5044885.287	6584881.982	5043679.489
286	7350583.184	5044894.100	6584869.893	5043687.855
287	7350568.828	5044903.637	6584855.193	5043696.847



288	7350823.917	5044733.959	6585116.395	5043536.848
289	7350823.083	5044731.978	6585115.636	5043534.838
290	7350814.432	5044719.475	6585107.460	5043522.023
291	7350811.688	5044716.581	6585104.826	5043519.029
292	7350804.372	5044717.189	6585097.494	5043519.363
293	7350828.369	5044700.753	6585122.084	5043503.838
294	7350830.736	5044703.116	6585124.360	5043506.287
295	7350833.332	5044706.126	6585126.842	5043509.391
296	7350855.683	5044689.482	6585149.795	5043493.597
297	7350853.977	5044687.330	6585148.171	5043491.383
298	7350852.156	5044685.742	6585146.411	5043489.728
299	7350872.908	5044670.298	6585167.721	5043475.073
300	7350874.557	5044672.695	6585169.279	5043477.530
301	7350876.119	5044674.879	6585170.758	5043479.770
302	7350898.579	5044660.822	6585193.723	5043466.565
303	7350893.985	5044659.446	6585189.185	5043465.018
304	7350892.020	5044657.768	6585187.284	5043463.268
305	7350907.519	5044670.617	6585202.290	5043476.685
306	7350908.984	5044674.109	6585203.623	5043480.229
307	7350912.178	5044679.235	6585206.623	5043485.469
308	7350914.190	5044682.293	6585208.519	5043488.600
309	7350896.568	5044679.479	6585191.017	5043485.130
310	7350886.533	5044688.188	6585180.666	5043493.456
311	7350887.054	5044689.374	6585181.142	5043494.661
312	7350890.500	5044694.196	6585184.405	5043499.607
313	7350892.755	5044697.180	6585186.546	5043502.673
314	7350878.044	5044693.699	6585171.978	5043498.646
315	7350866.143	5044702.447	6585159.761	5043506.941
316	7350866.861	5044703.432	6585160.442	5043507.952
317	7350870.299	5044708.464	6585163.689	5043513.108
318	7350872.467	5044711.324	6585165.748	5043516.047
319	7350843.849	5044717.804	6585136.913	5043521.452
320	7350844.709	5044719.096	6585137.724	5043522.775
321	7350847.804	5044724.276	6585140.623	5043528.066
322	7350849.711	5044727.075	6585142.424	5043530.934
323	7350827.505	5044738.480	6585119.811	5043541.499
324	7350828.379	5044739.651	6585120.641	5043542.702
325	7350829.651	5044741.189	6585121.854	5043544.286
326	7350832.137	5044744.725	6585124.206	5043547.912
327	7350837.138	5044751.749	6585128.940	5043555.116
328	7350847.736	5044766.511	6585138.977	5043570.261
329	7350868.368	5044752.040	6585160.132	5043556.574
330	7350861.102	5044739.996	6585153.322	5043544.269
331	7350853.514	5044730.104	6585146.110	5043534.102
332	7350875.331	5044715.267	6585168.462	5043520.093
333	7350883.088	5044724.690	6585175.860	5043529.798
334	7350891.408	5044735.835	6585183.757	5043541.244
335	7350910.120	5044723.985	6585202.895	5043530.103
336	7350903.260	5044711.165	6585196.520	5043517.038
337	7350895.960	5044700.525	6585189.624	5043506.135
338	7350918.548	5044684.737	6585212.781	5043491.204
339	7350926.187	5044695.774	6585220.001	5043502.517
340	7350935.675	5044708.156	6585229.019	5043515.243
341	7350957.486	5044694.468	6585251.322	5043502.381
342	7350949.582	5044681.463	6585243.910	5043489.093
343	7350941.667	5044670.353	6585236.417	5043477.697
344	7350937.629	5044665.181	6585232.576	5043472.378
345	7350935.797	5044662.716	6585230.838	5043469.847
346	7350932.371	5044667.185	6585227.248	5043474.184
347	7350931.755	5044658.303	6585226.964	5043465.287
348	7350930.964	5044656.833	6585226.229	5043463.789
349	7350929.468	5044654.991	6585224.803	5043461.893
350	7350943.022	5044646.534	6585238.661	5043453.949
351	7350949.597	5044639.254	6585245.502	5043446.921
352	7350950.761	5044640.811	6585246.607	5043448.521
353	7350952.548	5044643.198	6585248.303	5043450.972
354	7350956.152	5044647.977	6585251.725	5043455.882
355	7350957.272	5044650.314	6585252.757	5043458.258
356	7350959.948	5044654.314	6585255.281	5043462.355



357	7350964.993	5044662.122	6585260.030	5043470.344
358	7350975.715	5044677.009	6585270.187	5043485.619
359	7350994.689	5044661.403	6585289.727	5043470.735
360	7350985.540	5044649.221	6585281.041	5043458.222
361	7350979.064	5044641.087	6585274.875	5043449.854
362	7350976.053	5044637.336	6585272.006	5043445.993
363	7350974.771	5044635.331	6585270.800	5043443.942
364	7350971.240	5044630.444	6585267.455	5043438.928
365	7350969.312	5044627.954	6585265.622	5043436.368
366	7350967.984	5044626.201	6585264.360	5043434.567
367	7350973.115	5044625.059	6585269.530	5043433.617
368	7350971.969	5044623.611	6585268.439	5043432.128
369	7350979.796	5044619.495	6585276.413	5043428.308
370	7350978.482	5044617.908	6585275.159	5043426.673
371	7350980.365	5044615.133	6585277.144	5043423.971
372	7350982.439	5044616.072	6585279.181	5043424.987
373	7350984.429	5044612.338	6585281.309	5043421.330
374	7350982.535	5044611.382	6585279.452	5043420.304
375	7350982.451	5044606.929	6585279.535	5043415.852
376	7350985.428	5044607.360	6585282.493	5043416.394
377	7350985.246	5044602.991	6585282.474	5043412.022
378	7350982.119	5044603.077	6585279.347	5043411.991
379	7350980.530	5044598.466	6585277.931	5043407.325
380	7350983.539	5044597.330	6585280.980	5043406.302
381	7350981.237	5044593.225	6585278.834	5043402.115
382	7350978.531	5044594.602	6585276.079	5043403.390
383	7350974.831	5044589.028	6585272.590	5043397.682
384	7350976.196	5044585.928	6585274.070	5043394.636
385	7350981.566	5044581.308	6585279.607	5043390.221
386	7350983.168	5044580.010	6585281.257	5043388.984
387	7350986.562	5044584.512	6585284.479	5043393.608
388	7350984.895	5044585.763	6585282.767	5043394.796
389	7350985.593	5044586.793	6585283.426	5043395.851
390	7350986.512	5044586.712	6585284.347	5043395.805
391	7350988.318	5044587.754	6585286.113	5043396.913
392	7350988.229	5044590.345	6585285.927	5043399.499
393	7350989.734	5044589.165	6585287.475	5043398.376
394	7350991.169	5044593.708	6585288.739	5043402.968
395	7350992.452	5044592.335	6585290.072	5043401.645
396	7350994.330	5044596.387	6585291.797	5043405.763
397	7350995.645	5044594.780	6585293.171	5043404.207
398	7350997.622	5044598.196	6585295.018	5043407.694
399	7350998.559	5044596.241	6585296.028	5043405.775
400	7351001.004	5044596.882	6585298.447	5043406.507
401	7351000.358	5044599.299	6585297.711	5043408.898
402	7351005.484	5044600.137	6585302.801	5043409.927
403	7351004.773	5044597.569	6585302.187	5043407.334
404	7351010.402	5044599.787	6585307.728	5043409.761
405	7351008.362	5044596.852	6585305.799	5043406.752
406	7351011.869	5044595.534	6585309.352	5043405.566
407	7351014.630	5044598.473	6585312.001	5043408.606
408	7351019.696	5044596.255	6585317.146	5043406.579
409	7351017.663	5044592.487	6585315.255	5043402.738
410	7351022.790	5044601.577	6585320.038	5043412.012
411	7351021.348	5044606.661	6585318.407	5043417.037
412	7351024.652	5044610.506	6585321.565	5043421.002
413	7351031.415	5044619.580	6585327.983	5043430.321
414	7351043.047	5044635.726	6585339.002	5043446.887
415	7351016.625	5044648.128	6585312.140	5043458.291
416	7351010.997	5044635.986	6585306.970	5043445.950
417	7351003.993	5044624.268	6585300.410	5043433.981
418	7351001.196	5044619.835	6585297.781	5043429.447
419	7350999.805	5044618.009	6585296.459	5043427.571
420	7350960.474	5044598.778	6585257.881	5043406.887
421	7350958.477	5044601.425	6585255.787	5043409.457
422	7350955.926	5044608.957	6585252.957	5043416.888
423	7350966.601	5044608.522	6585263.639	5043416.852
424	7350966.571	5044560.922	6585265.387	5043369.293
425	7350967.687	5044558.677	6585266.586	5043367.091



426	7350965.949	5044559.737	6585264.810	5043368.085
427	7350960.429	5044564.266	6585259.126	5043372.404
428	7350958.540	5044565.817	6585257.180	5043373.883
429	7350947.363	5044551.522	6585246.547	5043359.183
430	7350947.585	5044549.037	6585246.862	5043356.709
431	7350955.180	5044543.454	6585254.659	5043351.414
432	7350957.438	5044544.892	6585256.861	5043352.935
433	7350954.574	5044541.124	6585254.140	5043349.064
434	7350953.495	5044541.976	6585253.030	5043349.875
435	7350953.054	5044542.392	6585252.574	5043350.274
436	7350947.155	5044546.394	6585246.531	5043354.052
437	7350946.725	5044546.729	6585246.089	5043354.371
438	7350944.866	5044547.958	6585244.186	5043355.529
439	7350949.424	5044536.021	6585249.185	5043343.773
440	7350947.458	5044534.739	6585247.269	5043342.419
441	7350948.243	5044532.759	6585248.127	5043340.470
442	7350946.604	5044533.654	6585246.456	5043341.303
443	7350943.925	5044541.932	6585243.471	5043349.473
444	7350941.598	5044543.602	6585241.083	5043351.055
445	7350939.687	5044541.120	6585239.267	5043348.504
446	7350942.028	5044539.377	6585241.671	5043346.850
447	7350929.003	5044526.942	6585229.122	5043333.939
448	7350931.479	5044525.050	6585231.666	5043332.141
449	7350937.100	5044520.825	6585237.440	5043328.130
450	7350938.811	5044519.486	6585239.199	5043326.856
451	7350928.158	5044508.615	6585228.962	5043315.597
452	7350929.089	5044506.541	6585229.970	5043313.559
453	7350927.369	5044507.601	6585228.212	5043314.554
454	7350918.304	5044495.310	6585219.614	5043301.935
455	7350919.242	5044493.235	6585220.628	5043299.897
456	7350917.602	5044494.238	6585218.952	5043300.838
457	7350912.717	5044486.455	6585214.362	5043292.880
458	7350911.394	5044485.911	6585213.061	5043292.287
459	7350911.507	5044484.634	6585213.221	5043291.015
460	7350912.220	5044483.186	6585213.988	5043289.595
461	7350913.487	5044484.553	6585215.203	5043291.008
462	7350926.531	5044473.194	6585228.659	5043280.146
463	7350922.617	5044463.502	6585225.111	5043270.317
464	7350906.235	5044475.016	6585208.313	5043281.208
465	7350926.332	5044481.987	6585228.132	5043288.924
466	7350932.882	5044476.572	6585234.879	5043283.758
467	7350937.630	5044496.207	6585238.889	5043303.554
468	7350946.269	5044495.490	6585247.547	5043303.160
469	7350960.094	5044528.264	6585260.136	5043336.421
470	7350988.615	5044570.486	6585287.054	5043379.672
471	7350997.472	5044565.985	6585296.072	5043375.505
472	7350998.472	5044567.426	6585297.017	5043376.982
473	7351000.104	5044566.431	6585298.685	5043376.049
474	7350996.714	5044574.710	6585294.989	5043384.194
475	7351003.448	5044579.153	6585301.551	5043388.885
476	7350989.949	5044551.772	6585289.086	5043361.024
477	7350982.597	5044554.789	6585281.628	5043363.764
478	7350977.765	5044526.011	6585277.875	5043334.830
479	7350967.890	5044533.715	6585267.721	5043342.159
480	7350968.220	5044524.152	6585268.408	5043332.617
481	7350969.837	5044522.964	6585270.068	5043331.490
482	7350968.783	5044521.381	6585269.074	5043329.869
483	7350921.900	5044512.057	6585222.581	5043318.802
484	7350918.586	5044513.072	6585219.232	5043319.692
485	7350918.689	5044508.455	6585219.507	5043315.083
486	7350914.145	5044504.281	6585215.123	5043310.743
487	7350908.507	5044499.965	6585209.651	5043306.220
488	7350907.244	5044501.031	6585208.350	5043307.238
489	7350907.554	5044502.721	6585208.596	5043308.938
490	7350903.879	5044496.949	6585205.140	5043303.034
491	7350903.443	5044499.719	6585204.601	5043305.785
492	7350883.720	5044484.024	6585185.482	5043289.368
493	7350879.278	5044480.885	6585181.161	5043286.065
494	7350875.916	5044478.239	6585177.901	5043283.296



495	7350874.181	5044479.184	6585176.132	5043284.175
496	7350874.966	5044477.403	6585176.983	5043282.425
497	7350872.819	5044478.283	6585174.805	5043283.224
498	7350873.025	5044475.153	6585175.128	5043280.105
499	7350870.220	5044471.791	6585172.451	5043276.641
500	7350864.461	5044463.896	6585166.992	5043268.538
501	7350863.826	5044464.278	6585166.343	5043268.896
502	7350854.908	5044460.572	6585157.571	5043264.860
503	7350850.832	5044454.439	6585153.728	5043258.580
504	7350850.137	5044453.649	6585153.063	5043257.765
505	7350851.735	5044454.333	6585154.634	5043258.508
506	7350850.502	5044455.329	6585153.365	5043259.457
507	7350851.737	5044447.806	6585154.880	5043251.987
508	7350851.638	5044446.055	6585154.846	5043250.234
509	7350851.018	5044446.658	6585154.204	5043250.813
510	7350850.868	5044446.657	6585154.054	5043250.806
511	7350848.229	5044441.807	6585151.599	5043245.862
512	7350847.152	5044440.776	6585150.561	5043244.792
513	7350843.738	5044443.590	6585147.045	5043247.476
SP4	7350856.025	5044412.242	6585160.492	5043216.614
SP4	7350856.032	5044412.212	6585160.501	5043216.585
SP4	7350856.025	5044412.225	6585160.493	5043216.597
SP5	7350818.160	5044440.181	6585121.617	5043243.114
SP5	7350818.164	5044440.191	6585121.621	5043243.124
SP5	7350818.166	5044440.171	6585121.624	5043243.105
SP6	7350718.269	5044486.507	6585020.084	5043285.668
SP6	7350718.259	5044486.504	6585020.074	5043285.665
SP6	7350718.262	5044486.494	6585020.077	5043285.655
SP7	7350772.384	5044324.206	6585080.214	5043125.532
SP7	7350772.387	5044324.206	6585080.217	5043125.532
SP7	7350772.395	5044324.209	6585080.225	5043125.535
SP9	7350808.211	5044488.509	6585109.872	5043291.028
SP9	7350808.203	5044488.517	6585109.864	5043291.036
SP9	7350808.204	5044488.530	6585109.864	5043291.049
SP10	7350803.579	5044378.905	6585109.338	5043181.348
SP10	7350803.582	5044378.910	6585109.341	5043181.353
SP10	7350803.588	5044378.909	6585109.347	5043181.352
SP11	7350740.834	5044378.971	6585046.646	5043179.070
SP11	7350740.832	5044378.969	6585046.644	5043179.068
SP11	7350740.839	5044378.963	6585046.651	5043179.062
SP12A	7350821.390	5044535.954	6585121.267	5043338.923
SP12A	7350821.397	5044535.952	6585121.274	5043338.922
SP12A	7350821.392	5044535.950	6585121.269	5043338.920
1279	7350855.998	5044412.411	6585160.459	5043216.782
1280	7350859.058	5044409.921	6585163.609	5043214.409
1281	7350750.536	5044513.847	6585051.301	5043314.189
1282	7350764.665	5044500.524	6585065.915	5043301.406
1283	7350763.501	5044497.760	6585064.856	5043298.601
1284	7350761.431	5044495.960	6585062.855	5043296.725
1285	7350759.848	5044494.071	6585061.344	5043294.779
1286	7350773.302	5044492.417	6585074.848	5043293.629
1287	7350779.496	5044484.372	6585081.337	5043285.822
1288	7350770.532	5044515.477	6585071.219	5043316.565
1289	7350746.484	5044529.904	6585046.653	5043330.081
1290	7350749.822	5044528.107	6585050.055	5043328.410
1291	7350700.221	5044509.868	6585001.179	5043308.334
1292	7350680.368	5044519.714	6584980.976	5043317.430
1293	7350670.429	5044530.579	6584970.640	5043327.914
1294	7350674.673	5044545.020	6584974.341	5043342.501
1295	7350654.573	5044556.121	6584953.844	5043352.841
1296	7350639.492	5044562.861	6584938.524	5043359.012
1297	7350634.681	5044539.603	6584934.586	5043335.595
1298	7350628.188	5044517.587	6584928.922	5043313.356
1299	7350609.001	5044550.952	6584908.505	5043345.975
1300	7350594.899	5044531.198	6584895.154	5043325.711
1301	7350574.363	5044548.989	6584873.971	5043342.719
SP12	7350512.919	5044877.895	6584800.295	5043669.039
SP12	7350512.931	5044877.907	6584800.307	5043669.052
SP12	7350512.922	5044877.900	6584800.298	5043669.044



1302	7350551.603	5044889.161	6584838.524	5043681.741
1303	7350559.429	5044874.461	6584846.892	5043667.346
1304	7350570.249	5044863.775	6584858.102	5043657.073
1305	7350566.114	5044852.718	6584854.384	5043645.872
1306	7350587.249	5044844.851	6584875.794	5043638.801
1307	7350615.221	5044826.550	6584904.425	5043621.561
1308	7350604.369	5044812.968	6584894.090	5043607.586
1309	7350593.810	5044789.155	6584884.430	5043583.400
1310	7350584.377	5044787.066	6584875.083	5043580.960
1311	7350564.946	5044798.810	6584855.230	5043591.968
1312	7350553.559	5044806.850	6584843.553	5043599.575
1313	7350540.241	5044789.064	6584830.911	5043581.308
1314	7350527.572	5044816.208	6584817.240	5043607.954
1315	7350572.922	5044770.960	6584864.240	5043564.440
1316	7350567.860	5044759.994	6584859.592	5043553.295
1317	7350553.503	5044736.884	6584846.111	5043529.669
1318	7350575.837	5044715.026	6584869.242	5043508.665
1319	7350570.381	5044706.007	6584864.127	5043499.450
1320	7350568.836	5044686.704	6584863.305	5043480.106
1321	7350579.126	5044669.913	6584874.213	5043463.714
1322	7350598.972	5044685.855	6584893.446	5043480.384
1323	7350615.239	5044692.511	6584909.450	5043487.641
1324	7350613.251	5044709.643	6584906.824	5043504.684
1325	7350621.624	5044723.845	6584914.659	5043519.186
1326	7350623.849	5044726.063	6584916.799	5043521.485
1327	7350628.175	5044726.949	6584921.088	5043522.532
1328	7350646.190	5044704.610	6584939.922	5043500.886
1329	7350659.150	5044725.367	6584952.095	5043522.109
1330	7350671.400	5044734.937	6584963.976	5043532.128
1331	7350687.241	5044745.190	6584979.420	5043542.964
1332	7350668.734	5044752.639	6584960.652	5043549.715
1333	7350654.155	5044769.782	6584945.445	5043566.298
1334	7350684.708	5044767.954	6584976.039	5043565.613
1335	7350695.291	5044738.857	6584987.700	5043536.937
SP13	7350491.581	5044837.621	6584780.481	5043628.004
SP13	7350491.578	5044837.623	6584780.477	5043628.006
SP13	7350491.575	5044837.616	6584780.475	5043627.999
SP14	7350463.354	5044791.838	6584753.989	5043581.207
SP14	7350463.350	5044791.832	6584753.985	5043581.201
SP14	7350463.349	5044791.838	6584753.984	5043581.207
SP15	7350439.349	5044751.734	6584731.503	5043540.242
SP15	7350439.345	5044751.736	6584731.499	5043540.244
SP15	7350439.341	5044751.732	6584731.495	5043540.239
SP16	7350414.428	5044712.479	6584708.071	5043500.091
SP16	7350414.430	5044712.483	6584708.072	5043500.095
SP16	7350414.426	5044712.484	6584708.068	5043500.095
1336	7350699.721	5044714.289	6584993.044	5043512.556
1337	7350682.753	5044699.617	6584976.639	5043497.263
1338	7350673.280	5044677.878	6584967.986	5043475.190
1339	7350678.906	5044667.663	6584973.989	5043465.194
1340	7350690.862	5044659.485	6584986.240	5043457.470
1341	7350715.009	5044665.186	6585010.152	5043464.068
1342	7350730.909	5044673.106	6585025.743	5043472.574
1343	7350734.399	5044671.441	6585029.292	5043471.041
1344	7350736.196	5044670.740	6585031.113	5043470.408
1345	7350736.425	5044654.734	6585031.940	5043454.425
1346	7350755.795	5044681.083	6585050.309	5043481.474
1347	7350767.135	5044708.914	6585060.599	5043509.704
1348	7350776.997	5044657.740	6585072.364	5043458.944
1349	7350798.718	5044646.122	6585094.500	5043448.147
1350	7350804.477	5044640.440	6585100.466	5043442.685
1351	7350815.824	5044620.689	6585112.541	5043423.376
1352	7350826.258	5044624.409	6585122.826	5043427.482
1353	7350736.575	5044636.618	6585032.767	5043436.330
1354	7350774.288	5044623.362	6585070.941	5043424.495
1355	7350801.893	5044610.375	6585099.007	5043412.550
1356	7350793.812	5044596.059	6585091.468	5043397.945
1357	7350779.018	5044603.640	6585076.404	5043404.967
1358	7350750.654	5044595.908	6585048.354	5043396.182



1359	7350710.702	5044597.193	6585008.389	5043395.974
1360	7350685.168	5044595.424	6584982.944	5043393.252
1361	7350658.215	5044606.857	6584955.587	5043403.669
1362	7350665.986	5044626.692	6584962.611	5043423.776
1363	7350634.921	5044631.306	6584931.401	5043427.226
1364	7350621.145	5044656.203	6584916.707	5043451.586
1365	7350598.449	5044622.802	6584895.279	5043417.367
1366	7350620.880	5044606.909	6584918.284	5043402.326
1367	7350660.281	5044585.736	6584958.441	5043382.643
1368	7350686.732	5044579.122	6584985.115	5043377.023
1369	7350711.063	5044571.593	6585009.706	5043370.410
1370	7350747.854	5044562.163	6585046.817	5043362.362
1371	7350691.448	5044475.717	6584993.690	5043273.886
1372	7350628.897	5044434.234	6584932.744	5043230.103
1373	7350606.284	5044439.243	6584909.963	5043234.263
1374	7350599.215	5044453.062	6584902.384	5043247.806
1375	7350569.800	5044493.890	6584871.470	5043287.499
1376	7350575.504	5044499.595	6584876.956	5043293.412
SP17	7350381.941	5044654.507	6584677.778	5043440.956
SP17	7350381.943	5044654.501	6584677.780	5043440.950
SP17	7350381.936	5044654.507	6584677.773	5043440.956
SP18	7350391.354	5044681.492	6584686.174	5043468.269
SP18	7350391.355	5044681.495	6584686.175	5043468.272
SP18	7350391.347	5044681.492	6584686.167	5043468.269
SP20	7350405.955	5044626.533	6584702.816	5043413.904
SP20	7350405.947	5044626.530	6584702.808	5043413.901
SP20	7350405.962	5044626.544	6584702.822	5043413.915
SP21	7350380.898	5044624.129	6584677.871	5043410.566
SP21	7350380.899	5044624.131	6584677.871	5043410.568
SP21	7350380.897	5044624.126	6584677.870	5043410.563
1437	7351286.034	5044595.940	6585583.261	5043416.213
1438	7351290.672	5044592.617	6585588.019	5043413.066
1439	7351292.473	5044591.186	6585589.872	5043411.704
1440	7351292.850	5044591.037	6585590.254	5043411.569
1441	7351298.778	5044586.926	6585596.330	5043407.683
1442	7351299.207	5044586.616	6585596.770	5043407.389
1443	7351303.178	5044583.361	6585600.860	5043404.286
1444	7351302.586	5044575.699	6585600.554	5043396.608
1445	7351307.178	5044572.279	6585605.270	5043393.363
1446	7351292.873	5044555.523	6585591.603	5043376.087
1447	7351289.633	5044557.725	6585588.284	5043378.166
1448	7351287.250	5044560.425	6585585.802	5043380.775
1449	7351283.997	5044563.499	6585582.437	5043383.724
1450	7351283.898	5044561.425	6585582.416	5043381.649
1451	7351299.328	5044556.764	6585598.006	5043377.568
1452	7351283.432	5044563.708	6585581.865	5043383.912
1453	7351277.094	5044567.438	6585575.393	5043387.402
1454	7351276.894	5044567.641	6585575.186	5043387.598
1455	7351275.110	5044568.434	6585573.374	5043388.323
1456	7351284.548	5044581.275	6585582.324	5043401.505
1457	7351282.678	5044578.200	6585580.570	5043398.363
1458	7351265.714	5044553.318	6585564.551	5043372.869
1459	7351260.100	5044545.919	6585559.218	5043365.267
1460	7351261.315	5044545.063	6585560.464	5043364.457
1461	7351261.853	5044544.713	6585561.015	5043364.128
1462	7351273.729	5044547.541	6585572.774	5043367.397
1463	7351267.347	5044540.499	6585566.661	5043360.123
1464	7351268.186	5044540.167	6585567.512	5043359.822
1465	7351269.731	5044539.382	6585569.085	5043359.096
1466	7351265.137	5044516.398	6585565.353	5043335.960
1467	7351262.168	5044519.164	6585562.284	5043338.613
1468	7351260.190	5044520.795	6585560.246	5043340.169
1469	7351258.210	5044523.423	6585558.170	5043342.720
1470	7351259.283	5044526.235	6585559.137	5043345.570
1471	7351256.164	5044522.990	6585556.142	5043342.211
1472	7351255.619	5044523.291	6585555.586	5043342.492
1473	7351249.338	5044527.527	6585549.153	5043346.489
1474	7351248.856	5044527.863	6585548.658	5043346.807
1475	7351247.634	5044528.647	6585547.408	5043347.545



1476	7351251.942	5044533.021	6585551.549	5043352.076
1477	7351243.203	5044534.211	6585542.773	5043352.938
1478	7351229.958	5044522.808	6585529.966	5043341.051
1479	7351236.235	5044516.779	6585536.463	5043335.261
1480	7351237.899	5044515.299	6585538.180	5043333.845
1481	7351238.428	5044514.753	6585538.729	5043333.319
1482	7351243.725	5044509.305	6585544.225	5043328.074
1483	7351244.182	5044508.799	6585544.701	5043327.585
1484	7351246.789	5044505.721	6585547.420	5043324.607
1485	7351248.818	5044504.301	6585549.501	5043323.264
1486	7351248.485	5044499.357	6585549.353	5043318.312
1487	7351252.096	5044496.076	6585553.083	5043315.169
1488	7351235.546	5044484.679	6585536.973	5043303.164
1489	7351237.108	5044483.251	6585538.587	5043301.796
1490	7351240.031	5044479.775	6585541.637	5043298.432
1491	7351248.036	5044484.687	6585549.452	5043303.639
1492	7351233.122	5044486.123	6585534.497	5043304.516
1493	7351229.445	5044472.978	6585531.315	5043291.245
1494	7351225.980	5044470.498	6585527.945	5043288.638
1495	7351225.304	5044472.140	6585527.209	5043290.253
1496	7351215.501	5044465.531	6585517.661	5043283.284
1497	7351211.891	5044467.203	6585513.992	5043284.820
1498	7351210.458	5044447.251	6585513.305	5043264.832
1499	7351213.704	5044447.133	6585516.553	5043264.835
1500	7351223.288	5044451.202	6585525.977	5043269.259
1501	7351225.592	5044456.932	6585528.064	5043275.070
1502	7351216.051	5044440.338	6585519.152	5043258.134
1503	7351208.451	5044449.095	6585511.231	5043266.599
1504	7351200.468	5044455.778	6585503.006	5043272.978
1505	7351200.833	5044463.175	6585503.094	5043280.382
1506	7351199.218	5044468.629	6585501.277	5043285.771
1507	7351189.875	5044461.371	6585492.213	5043278.171
1508	7351192.335	5044471.879	6585494.278	5043288.761
1509	7351181.869	5044459.264	6585484.293	5043275.766
1510	7351167.925	5044464.643	6585470.160	5043280.620
1511	7351169.937	5044468.932	6585472.010	5043284.980
1512	7351159.255	5044470.273	6585461.288	5043285.921
1513	7351155.420	5044466.006	6585457.615	5043281.514
1514	7351164.854	5044460.028	6585467.264	5043275.894
1515	7351144.093	5044443.352	6585447.144	5043258.457
1516	7351155.492	5044425.874	6585459.186	5043241.420
1517	7351172.553	5044415.617	6585476.615	5043231.810
1518	7351178.523	5044411.588	6585482.731	5043228.007
1519	7351181.292	5044408.267	6585485.621	5043224.793
1520	7351183.362	5044407.266	6585487.727	5043223.870
1521	7351185.495	5044405.480	6585489.925	5043222.165
1522	7351182.827	5044411.738	6585487.025	5043228.318
1523	7351249.602	5044515.151	6585549.879	5043334.134
1524	7351249.411	5044515.412	6585549.678	5043334.388
1525	7351243.659	5044520.629	6585543.736	5043339.385
1526	7351242.921	5044520.952	6585542.987	5043339.681
1527	7351231.580	5044508.478	6585532.122	5043326.794
1528	7351231.167	5044508.937	6585531.692	5043327.237
1529	7351229.338	5044510.579	6585529.803	5043328.809
1530	7351235.918	5044501.364	6585536.722	5043319.848
1531	7351236.162	5044500.898	6585536.983	5043319.392
1532	7351238.175	5044497.961	6585539.104	5043316.533
1533	7351230.337	5044491.243	6585531.524	5043309.528
1534	7351227.903	5044494.390	6585528.974	5043312.581
1535	7351227.417	5044494.695	6585528.477	5043312.868
1536	7351222.155	5044502.861	6585522.915	5043320.830
1537	7351221.729	5044503.357	6585522.471	5043321.309
1538	7351220.620	5044505.332	6585521.289	5043323.241
1539	7351219.291	5044503.604	6585520.026	5043321.465
1540	7351208.058	5044500.384	6585508.923	5043317.828
1541	7351208.814	5044498.991	6585509.730	5043316.465
1542	7351209.174	5044498.521	6585510.107	5043316.009
1543	7351208.960	5044497.786	6585509.921	5043315.266
1544	7351212.546	5044487.775	6585513.878	5043305.398



1545	7351212.950	5044487.154	6585514.305	5043304.793
1546	7351216.179	5044487.083	6585517.533	5043304.842
1547	7351217.106	5044482.912	6585518.615	5043300.710
1548	7351204.908	5044486.254	6585506.303	5043303.593
1549	7351205.011	5044485.950	6585506.418	5043303.293
1550	7351202.989	5044496.442	6585504.005	5043313.701
1551	7351202.933	5044496.863	6585503.934	5043314.119
1552	7351200.940	5044499.229	6585501.854	5043316.409
1553	7351190.288	5044498.932	6585491.223	5043315.714
1554	7351190.249	5044497.670	6585491.231	5043314.452
1555	7351190.413	5044496.597	6585491.435	5043313.386
1556	7351189.876	5044495.924	6585490.923	5043312.693
1557	7351188.898	5044486.244	6585490.308	5043302.985
1558	7351188.551	5044485.823	6585489.977	5043302.552
1559	7351191.063	5044484.548	6585492.534	5043301.372
1560	7351187.671	5044484.511	6585489.147	5043301.208
1561	7351181.755	5044478.648	6585483.455	5043295.129
1562	7351188.330	5044503.431	6585489.098	5043320.136
1563	7351199.703	5044505.579	6585500.381	5043322.707
1564	7351206.855	5044510.021	6585507.361	5043327.412
1565	7351213.099	5044514.062	6585513.448	5043331.683
1566	7351210.172	5044526.539	6585510.058	5043344.039
1567	7351199.066	5044519.755	6585499.215	5043336.846
1568	7351188.869	5044513.846	6585489.248	5043330.562
2001	7351362.606	5044609.644	6585659.253	5043432.765
2002	7351362.608	5044609.611	6585659.257	5043432.732
2003	7351360.828	5044606.482	6585657.595	5043429.540
2004	7351358.444	5044603.401	6585655.328	5043426.372
2005	7351358.086	5044601.312	6585655.049	5043424.272
2006	7351349.703	5044608.700	6585646.397	5043431.340
2007	7351346.773	5044602.850	6585643.688	5043425.386
2008	7351343.330	5044611.444	6585639.927	5043433.844
2009	7351344.313	5044615.787	6585640.747	5043438.220
2010	7351336.548	5044613.694	6585633.067	5043435.838
2011	7351333.854	5044612.129	6585630.434	5043434.174
2012	7351332.516	5044614.141	6585629.022	5043436.134
2013	7351329.324	5044614.208	6585625.830	5043436.082
2014	7351333.690	5044618.843	6585630.019	5043440.876
2015	7351324.991	5044613.411	6585621.531	5043435.124
2016	7351320.341	5044611.504	6585616.956	5043433.045
2017	7351318.962	5044609.761	6585615.643	5043431.252
2018	7351316.720	5044608.857	6585613.437	5043430.265
2019	7351315.776	5044607.303	6585612.552	5043428.677
2020	7351312.245	5044604.900	6585609.114	5043426.144
2021	7351312.939	5044604.657	6585609.816	5043425.927
2022	7351309.571	5044602.134	6585606.546	5043423.281
2023	7351310.288	5044601.815	6585607.274	5043422.989
2024	7351306.942	5044599.094	6585604.033	5043420.145
2025	7351307.596	5044598.779	6585604.698	5043419.855
2026	7351309.240	5044599.034	6585606.331	5043420.171
2027	7351311.950	5044594.452	6585609.210	5043415.694
2028	7351318.173	5044602.213	6585615.137	5043423.681
2029	7351304.596	5044595.753	6585601.813	5043416.720
2030	7351305.220	5044595.534	6585602.445	5043416.524
2031	7351297.176	5044584.517	6585594.820	5043405.216
2032	7351297.525	5044583.989	6585595.188	5043404.702
2033	7351301.484	5044580.732	6585599.265	5043401.596
2034	7351304.059	5044575.477	6585602.034	5043396.441
2035	7351308.352	5044576.722	6585606.277	5043397.846
2036	7351315.273	5044588.498	6585612.752	5043409.870
2037	7351314.588	5044594.165	6585611.856	5043415.506
2038	7351321.843	5044592.060	6585619.183	5043413.674
2039	7351325.341	5044600.457	6585622.364	5043422.194
2040	7351331.928	5044603.851	6585628.819	5043425.831
2041	7351337.944	5044602.706	6585634.872	5043424.912
2042	7351312.513	5044575.172	6585610.492	5043396.452
2043	7351291.727	5044589.282	6585589.197	5043409.774
2044	7351290.979	5044589.665	6585588.436	5043410.128
2045	7351300.782	5044602.730	6585597.742	5043423.548



2046	7351299.923	5044603.085	6585596.871	5043423.871
2047	7351305.389	5044609.049	6585602.109	5043430.034
2048	7351304.696	5044609.515	6585601.399	5043430.473
2049	7351309.454	5044613.690	6585605.997	5043434.822
2050	7351308.853	5044614.233	6585605.376	5043435.342
2051	7351313.760	5044617.590	6585610.154	5043438.880
2052	7351312.884	5044618.301	6585609.252	5043439.557
2053	7351314.934	5044620.599	6585611.214	5043441.930
2054	7351319.627	5044616.042	6585616.073	5043437.552
2055	7351305.323	5044602.896	6585602.273	5043423.883
2056	7351294.046	5044586.548	6585591.617	5043407.129
2057	7351317.398	5044620.210	6585613.691	5043441.633
2058	7351323.527	5044623.096	6585619.706	5043444.746
2059	7351327.154	5044632.753	6585622.969	5043454.530
2060	7351325.545	5044623.552	6585621.706	5043445.277
2061	7351330.334	5044623.784	6585626.482	5043445.687
2062	7351333.160	5044623.555	6585629.314	5043445.564
2063	7351336.400	5044626.749	6585632.432	5043448.876
2064	7351335.838	5044627.268	6585631.851	5043449.374
2065	7351337.236	5044623.293	6585633.396	5043445.455
2066	7351338.911	5044622.284	6585635.107	5043444.509
2067	7351338.681	5044626.230	6585634.730	5043448.443
2068	7351339.742	5044631.139	6585635.607	5043453.387
2069	7351341.619	5044629.753	6585637.534	5043452.073
2070	7351342.170	5044629.098	6585638.109	5043451.439
2071	7351345.985	5044626.270	6585642.026	5043448.756
2072	7351352.371	5044626.904	6585648.383	5043449.628
2073	7351349.651	5044623.552	6585645.790	5043446.177
2074	7351345.936	5044621.782	6585642.145	5043444.270
2075	7351342.050	5044621.134	6585638.286	5043443.477
2076	7351347.716	5044618.434	6585644.048	5043440.991
2077	7351352.193	5044615.999	6585648.612	5043438.726
2078	7351355.691	5044613.952	6585652.184	5043436.811
2079	7351354.871	5044617.747	6585651.223	5043440.572
2080	7351353.889	5044623.636	6585650.021	5043446.419
2081	7351355.192	5044628.239	6585651.151	5043451.067
sp23	7351362.511	5044661.744	6585657.212	5043484.816
sp23a	7351362.518	5044661.743	6585657.219	5043484.815
sp23b	7351362.515	5044661.745	6585657.216	5043484.817
sp24a	7351337.102	5044624.141	6585633.230	5043446.297
sp24b	7351337.109	5044624.151	6585633.237	5043446.307
sp24c	7351337.115	5044624.150	6585633.243	5043446.306
sp25a	7351385.870	5044699.465	6585679.142	5043523.376
sp25b	7351385.868	5044699.461	6585679.140	5043523.372
sp25c	7351385.869	5044699.467	6585679.141	5043523.378
sp26a	7351417.790	5044751.211	6585709.101	5043576.269
sp26b	7351417.793	5044751.210	6585709.104	5043576.268
sp26c	7351417.799	5044751.221	6585709.109	5043576.280
2136	7351429.217	5044774.208	6585719.659	5043599.673
2137	7351430.133	5044774.092	6585720.578	5043599.591
2138	7351431.978	5044772.682	6585722.474	5043598.251
2139	7351433.521	5044771.995	6585724.041	5043597.623
2140	7351436.377	5044768.859	6585727.012	5043594.596
2141	7351439.824	5044767.852	6585730.494	5043593.719
2142	7351442.306	5044767.110	6585733.001	5043593.070
2143	7351433.866	5044735.366	6585725.754	5043561.039
2144	7351444.860	5044772.259	6585735.361	5043598.310
2145	7351443.227	5044774.052	6585733.662	5043600.040
2146	7351450.940	5044780.667	6585741.121	5043606.938
2147	7351449.490	5044782.302	6585739.611	5043608.517
2148	7351457.164	5044787.387	6585747.089	5043613.884
2149	7351455.701	5044789.002	6585745.567	5043615.443
2150	7351461.050	5044780.202	6585751.240	5043606.851
2151	7351465.369	5044777.685	6585755.649	5043604.497
2152	7351452.599	5044787.785	6585742.513	5043614.111
2153	7351465.563	5044795.607	6585755.173	5043622.411
2154	7351464.237	5044797.368	6585753.783	5043624.121
2155	7351468.862	5044806.442	6585758.065	5043633.360
2156	7351470.894	5044804.923	6585760.152	5043631.918



2157	7351472.737	5044803.842	6585762.033	5043630.907
2158	7351476.027	5044802.636	6585765.365	5043629.825
2159	7351479.030	5044812.703	6585767.990	5043639.995
2160	7351477.550	5044814.053	6585766.461	5043641.288
2161	7351484.690	5044819.848	6585773.378	5043647.345
2162	7351483.291	5044821.581	6585771.915	5043649.024
2163	7351486.075	5044826.508	6585774.513	5043654.051
2164	7351491.401	5044827.342	6585779.803	5043655.083
2165	7351489.723	5044828.724	6585778.075	5043656.401
2166	7351491.348	5044831.226	6585779.605	5043658.962
2167	7351493.606	5044830.368	6585781.893	5043658.189
2168	7351492.295	5044833.481	6585780.467	5043661.250
2169	7351494.919	5044833.972	6585783.070	5043661.839
2170	7351495.128	5044836.742	6585783.176	5043664.614
2171	7351492.906	5044837.247	6585780.937	5043665.036
2172	7351494.889	5044841.628	6585782.754	5043669.487
2173	7351492.890	5044841.686	6585780.755	5043669.470
2174	7351503.861	5044846.790	6585791.526	5043674.979
2175	7351492.173	5044851.680	6585779.665	5043679.429
2176	7351494.441	5044852.113	6585781.915	5043679.946
2177	7351494.707	5044856.094	6585782.032	5043683.933
2178	7351492.247	5044857.157	6585779.535	5043684.904
2179	7351494.977	5044863.832	6585782.013	5043691.675
2180	7351497.353	5044863.169	6585784.411	5043691.101
2181	7351503.067	5044878.046	6585789.565	5043706.178
2182	7351505.574	5044877.165	6585792.102	5043705.392
2183	7351504.944	5044882.767	6585791.264	5043710.965
2184	7351506.775	5044882.672	6585793.097	5043710.939
2185	7351505.020	5044885.534	6585791.236	5043713.733
2186	7351507.021	5044888.813	6585793.113	5043717.084
2187	7351507.182	5044884.911	6585793.420	5043713.191
2188	7351505.330	5044892.842	6585791.273	5043721.046
2189	7351507.412	5044893.058	6585793.345	5043721.339
2190	7351508.363	5044896.992	6585794.148	5043725.306
2191	7351506.255	5044897.844	6585792.010	5043726.078
2192	7351509.241	5044904.013	6585794.763	5043732.353
2193	7351511.339	5044902.904	6585796.901	5043731.324
2194	7351514.173	5044900.279	6585799.830	5043728.807
2195	7351516.570	5044862.359	6585803.642	5043691.010
2196	7351530.338	5044881.596	6585816.679	5043710.744
2197	7351521.816	5044882.304	6585808.138	5043711.133
2198	7351491.113	5044863.384	6585778.169	5043691.083
2199	7351490.177	5044864.681	6585777.185	5043692.344
2200	7351487.775	5044866.154	6585774.730	5043693.726
2201	7351478.876	5044851.551	6585766.385	5043678.803
2202	7351480.366	5044850.394	6585767.917	5043677.703
2203	7351473.183	5044843.956	6585760.980	5043671.002
2204	7351474.688	5044842.641	6585762.533	5043669.744
2205	7351477.227	5044841.159	6585765.125	5043668.358
2206	7351466.289	5044839.608	6585754.255	5043666.400
2207	7351468.364	5044838.196	6585756.381	5043665.067
2208	7351469.887	5044836.729	6585757.957	5043663.658
2209	7351468.405	5044836.531	6585756.484	5043663.405
2210	7351464.000	5044833.013	6585752.214	5043659.726
2211	7351465.615	5044831.348	6585753.890	5043658.122
2212	7351461.210	5044827.676	6585749.626	5043654.289
2213	7351463.297	5044826.872	6585751.741	5043653.564
2214	7351458.486	5044821.516	6585747.135	5043648.033
2215	7351460.466	5044820.527	6585749.150	5043647.118
2216	7351463.081	5044818.930	6585751.822	5043645.621
2217	7351452.581	5044812.062	6585741.588	5043638.366
2218	7351454.436	5044810.835	6585743.487	5043637.210
2219	7351446.792	5044800.543	6585736.234	5043626.641
2220	7351444.927	5044801.519	6585734.335	5043627.547
2221	7351441.014	5044794.073	6585730.703	5043619.961
2222	7351443.006	5044793.085	6585732.730	5043619.048
2223	7351443.306	5044787.211	6585733.249	5043613.191
2224	7351435.693	5044783.079	6585725.798	5043608.778
2225	7351437.678	5044782.147	6585727.816	5043607.921



sp27a	7351472.576	5044842.803	6585760.417	5043669.827
sp27b	7351472.582	5044842.803	6585760.423	5043669.828
sp27c	7351472.580	5044842.799	6585760.421	5043669.823
sp28a	7351504.324	5044886.013	6585790.523	5043714.185
sp28b	7351504.317	5044886.010	6585790.516	5043714.182
sp28c	7351504.315	5044886.015	6585790.514	5043714.187
2244	7351519.792	5044931.360	6585804.283	5043760.070
2245	7351524.061	5044928.019	6585808.673	5043756.892
2246	7351525.968	5044926.823	6585810.623	5043755.768
2247	7351526.421	5044919.963	6585811.332	5043748.931
2248	7351536.852	5044917.189	6585821.858	5043746.549
2249	7351547.359	5044908.622	6585832.676	5043738.382
2250	7351549.567	5044906.496	6585834.961	5043736.340
2251	7351561.587	5044933.481	6585845.962	5043763.751
2252	7351563.929	5044932.255	6585848.348	5043762.613
2253	7351551.792	5044939.158	6585835.964	5043769.057
2254	7351541.674	5044944.463	6585825.657	5043773.979
2255	7351539.089	5044947.611	6585822.956	5043777.028
2256	7351537.371	5044948.706	6585821.199	5043778.058
2257	7351530.834	5044945.516	6585814.787	5043774.626
2258	7351551.173	5044976.311	6585833.958	5043806.154
2259	7351551.109	5044969.994	6585834.130	5043799.840
2260	7351554.125	5044968.390	6585837.203	5043798.350
2261	7351557.920	5044991.262	6585840.140	5043821.344
2262	7351561.178	5044989.645	6585843.456	5043819.850
2263	7351565.527	5044988.547	6585847.842	5043818.916
2264	7351565.821	5044982.843	6585848.349	5043813.228
2265	7351573.758	5044977.300	6585856.486	5043807.986
2266	7351564.154	5044961.393	6585847.484	5043791.734
2267	7351556.146	5044966.768	6585839.283	5043796.805
2268	7351574.573	5044952.185	6585858.238	5043782.923
2269	7351577.881	5044952.047	6585861.549	5043782.909
2270	7351588.819	5044974.383	6585871.643	5043805.634
2271	7351589.182	5044971.536	6585872.112	5043802.803
2272	7351602.880	5044996.976	6585884.847	5043828.733
2273	7351604.162	5044994.963	6585886.203	5043826.769
2274	7351592.479	5045002.053	6585874.266	5043833.417
2275	7351583.062	5045010.353	6585864.547	5043841.357
2276	7351579.535	5045012.858	6585860.929	5043843.728
2277	7351599.441	5045036.397	6585879.939	5043867.990
2278	7351595.606	5045039.962	6585875.974	5043871.409
2279	7351607.276	5045029.963	6585888.007	5043861.855
2280	7351615.798	5045017.949	6585896.970	5043850.170
2281	7351629.896	5045040.811	6585910.202	5043873.538
2282	7351617.412	5045047.656	6585897.473	5043879.911
2283	7351609.971	5045053.097	6585889.835	5043885.069
2284	7351608.823	5045058.446	6585888.489	5043890.371
2285	7351623.176	5045082.066	6585901.947	5043914.506
2286	7351626.466	5045079.448	6585905.332	5043912.013
2287	7351636.659	5045077.532	6585915.587	5043910.480
2288	7351648.020	5045071.637	6585927.158	5043905.014
2289	7351648.949	5045070.799	6585928.118	5043904.212
2290	7351664.499	5045096.909	6585942.679	5043930.880
2291	7351666.902	5045095.769	6585945.122	5043929.830
2292	7351656.021	5045100.484	6585934.075	5043934.135
2293	7351643.929	5045107.812	6585921.720	5043941.005
2294	7351643.981	5045113.955	6585921.542	5043947.144
2295	7351659.725	5045131.346	6585936.623	5043965.108
2296	7351656.163	5045134.431	6585932.948	5043968.057
2297	7351667.408	5045124.296	6585944.562	5043958.351
2298	7351677.459	5045116.128	6585954.910	5043950.566
2299	7351679.628	5045113.666	6585957.169	5043948.187
2300	7351683.819	5045139.895	6585960.376	5043974.550
2301	7351692.834	5045141.176	6585969.335	5043976.166
2302	7351694.135	5045140.579	6585970.657	5043975.619
2303	7351673.757	5045149.701	6585949.957	5043983.971
2304	7351671.549	5045153.562	6585947.606	5043987.746
2305	7351697.977	5045112.010	6585975.563	5043947.218
2306	7351699.480	5045111.094	6585977.099	5043946.359



2307	7351679.727	5045081.349	6585958.475	5043915.902
2308	7351681.199	5045080.802	6585959.966	5043915.411
2309	7351677.549	5045082.613	6585956.251	5043917.084
2310	7351658.121	5045049.833	6585938.065	5043883.607
2311	7351660.332	5045048.569	6585940.321	5043882.426
2312	7351661.134	5045047.396	6585941.167	5043881.284
2313	7351641.573	5045021.749	6585922.581	5043854.929
2314	7351643.662	5045020.392	6585924.719	5043853.651
2315	7351644.360	5045018.863	6585925.473	5043852.150
2316	7351619.969	5044985.206	6585902.361	5043817.611
2317	7351622.255	5044984.007	6585904.690	5043816.499
2318	7351623.350	5044983.444	6585905.805	5043815.977
2319	7351602.642	5044955.681	6585886.152	5043787.465
2320	7351604.358	5044954.304	6585887.918	5043786.153
2321	7351604.852	5044952.996	6585888.460	5043784.865
2322	7351581.822	5044920.917	6585866.649	5043751.954
2323	7351583.386	5044918.858	6585868.289	5043749.955
2324	7351584.227	5044918.023	6585869.160	5043749.152
2325	7351559.841	5044883.937	6585846.069	5043714.185
2326	7351561.909	5044882.171	6585848.201	5043712.498
2327	7351562.743	5044881.682	6585849.052	5043712.040
3011	7352238.263	5046051.614	6586480.272	5044906.184
3012	7352239.466	5046050.277	6586481.524	5044904.893
3013	7352240.597	5046049.655	6586482.677	5044904.314
3014	7352244.037	5046046.213	6586486.243	5044901.004
3015	7352246.622	5046041.074	6586489.017	5044895.966
3016	7352250.524	5046038.334	6586493.018	5044893.374
3017	7352254.098	5046035.130	6586496.709	5044890.306
3018	7352257.804	5046032.016	6586500.528	5044887.333
3019	7352261.023	5046027.816	6586503.901	5044883.257
3020	7352267.780	5046030.986	6586510.534	5044886.677
3021	7352269.173	5046030.005	6586511.962	5044885.749
3022	7352270.061	5046031.443	6586512.796	5044887.219
3023	7352268.732	5046032.256	6586511.438	5044887.981
3024	7352269.842	5046032.519	6586512.537	5044888.286
3025	7352266.635	5046021.050	6586509.761	5044876.707
3026	7352263.458	5046019.881	6586506.631	5044875.420
3027	7352248.855	5046003.906	6586492.637	5044858.914
3028	7352246.516	5046004.852	6586490.265	5044859.771
3029	7352242.002	5046006.854	6586485.680	5044861.603
3030	7352237.534	5046008.621	6586481.150	5044863.202
3031	7352233.024	5046010.240	6586476.583	5044864.651
3032	7352228.601	5046012.406	6586472.083	5044866.649
3033	7352224.053	5046014.619	6586467.457	5044868.691
3034	7352221.707	5046019.657	6586464.924	5044873.637
3035	7352221.756	5046023.942	6586464.813	5044877.920
3036	7352221.139	5046026.344	6586464.107	5044880.296
3037	7352222.748	5046016.609	6586466.078	5044870.630
3038	7352221.701	5046014.666	6586465.105	5044868.650
3039	7352217.808	5046012.480	6586461.297	5044866.320
3040	7352212.533	5046002.721	6586456.391	5044856.373
3041	7352207.516	5045992.223	6586451.771	5044845.696
3042	7352212.436	5045996.033	6586456.544	5044849.687
3043	7352214.122	5045994.075	6586458.302	5044847.793
3044	7352213.030	5045991.633	6586457.302	5044845.313
3045	7352207.477	5045987.511	6586451.908	5044840.987
3046	7352205.682	5045988.302	6586450.085	5044841.710
3047	7352202.814	5045978.698	6586447.578	5044832.007
3048	7352201.934	5045979.081	6586446.685	5044832.357
3049	7352196.210	5045964.767	6586441.501	5044817.842
3050	7352198.379	5045963.520	6586443.714	5044816.677
3051	7352203.593	5045968.259	6586448.747	5044821.607
3052	7352202.832	5045966.391	6586448.056	5044819.712
3053	7352205.032	5045974.939	6586449.935	5044828.335
3054	7352197.928	5045973.707	6586442.883	5044826.838
3055	7352195.428	5045975.246	6586440.328	5044828.283
3056	7352206.134	5045967.647	6586451.308	5044821.090
3057	7352209.913	5045964.645	6586455.196	5044818.232
3058	7352209.689	5045960.012	6586455.145	5044813.595



3059	7352213.910	5045961.991	6586459.289	5044815.730
3060	7352215.898	5045961.066	6586461.310	5044814.880
3061	7352218.282	5045958.065	6586463.804	5044811.970
3062	7352221.411	5045967.860	6586466.564	5044821.874
3063	7352223.642	5045965.703	6586468.874	5044819.802
3064	7352226.179	5045973.945	6586471.100	5044828.132
3065	7352229.522	5045972.321	6586474.501	5044826.634
3066	7352233.077	5045983.184	6586477.647	5044837.620
3067	7352235.018	5045981.771	6586479.639	5044836.281
3068	7352227.990	5045988.652	6586472.360	5044842.893
3069	7352210.048	5045953.838	6586455.735	5044807.439
3070	7352209.078	5045954.434	6586454.743	5044807.999
3071	7352204.878	5045946.779	6586450.833	5044800.193
3072	7352204.556	5045946.962	6586450.504	5044800.364
3073	7352208.714	5045944.177	6586454.763	5044797.737
3074	7352199.212	5045938.405	6586445.485	5044791.615
3075	7352194.944	5045940.681	6586441.136	5044793.730
3076	7352190.999	5045943.421	6586437.092	5044796.320
3077	7352183.981	5045936.062	6586430.355	5044788.705
3078	7352188.508	5045945.151	6586434.538	5044797.955
3079	7352188.203	5045945.328	6586434.227	5044798.121
3080	7352193.049	5045953.629	6586438.758	5044806.596
3081	7352191.921	5045954.232	6586437.609	5044807.156
3082	7352191.436	5045961.940	6586436.836	5044814.839
3083	7352195.492	5045968.369	6586440.649	5044821.414
3084	7352179.514	5045935.801	6586425.901	5044788.277
3085	7352180.315	5045928.420	6586426.977	5044780.933
3086	7352181.134	5045927.897	6586427.815	5044780.441
3087	7352183.714	5045927.589	6586430.405	5044780.230
3088	7352182.657	5045925.837	6586429.414	5044778.440
3089	7352184.143	5045923.622	6586430.981	5044776.282
3090	7352187.426	5045921.057	6586434.357	5044773.842
3091	7352190.662	5045916.538	6586437.759	5044769.448
3092	7352191.929	5045927.476	6586438.617	5044780.424
3093	7352182.926	5045914.899	6586430.091	5044767.521
3094	7352176.228	5045906.389	6586423.717	5044758.768
3095	7352174.434	5045908.029	6586421.863	5044760.340
3096	7352170.696	5045911.383	6586418.003	5044763.551
3097	7352175.533	5045918.934	6586422.554	5044771.276
3098	7352175.335	5045919.029	6586422.353	5044771.364
3099	7352162.616	5045905.805	6586410.139	5044757.676
3100	7352166.149	5045903.887	6586413.740	5044755.892
3101	7352169.893	5045900.825	6586417.596	5044752.973
3102	7352170.994	5045899.988	6586418.727	5044752.177
3103	7352176.165	5045894.673	6586424.092	5044747.060

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GriderWeb Korisnik: Geosystem doo

Gaus-Krigerova projekcija - Bessel

7. sistem			6. sistem	
3104	7352172.544	5045893.601	6586420.514	5044745.854
3105	7352171.798	5045888.930	6586419.943	5044741.159
3106	7352168.797	5045891.085	6586416.864	5044743.200
3107	7352166.546	5045888.185	6586414.724	5044740.219
3108	7352163.855	5045890.281	6586411.957	5044742.212
3109	7352163.482	5045890.511	6586411.576	5044742.428
3110	7352159.670	5045892.524	6586407.692	5044744.297
3111	7352159.193	5045892.900	6586407.201	5044744.655
3112	7352153.910	5045880.887	6586402.372	5044732.455
3113	7352152.455	5045881.297	6586400.902	5044732.810
3114	7352155.238	5045877.426	6586403.828	5044729.047
3115	7352161.911	5045873.237	6586410.651	5044725.110
3116	7352149.290	5045881.811	6586397.721	5044733.205
3117	7352144.875	5045869.848	6586393.757	5044721.088
3118	7352147.727	5045868.395	6586396.661	5044719.743
3119	7352148.640	5045867.035	6586397.624	5044718.418
3120	7352152.522	5045861.830	6586401.697	5044713.363
3121	7352147.687	5045857.197	6586397.039	5044708.553
3122	7352143.268	5045858.452	6586392.577	5044709.642
3123	7352142.834	5045858.700	6586392.134	5044709.873
3124	7352133.788	5045843.322	6586383.671	5044694.171
3125	7352139.992	5045838.842	6586390.037	5044689.927
3126	7352130.080	5045846.130	6586379.861	5044696.838
3127	7352126.692	5045840.692	6586376.679	5044691.278
3128	7352121.845	5045840.326	6586371.850	5044690.731
3129	7352119.658	5045841.466	6586369.622	5044691.789
3130	7352122.617	5045805.135	6586373.936	5044655.600
3131	7352121.801	5045811.770	6586372.873	5044662.199
3132	7352115.202	5045813.639	6586366.210	5044663.820
3133	7352110.297	5045814.986	6586361.259	5044664.982
3134	7352107.014	5045818.293	6586357.855	5044668.164
3135	7352113.867	5045783.905	6586365.987	5044634.062
3136	7352110.664	5045785.686	6586362.720	5044635.721
3137	7352114.538	5045796.414	6586366.190	5044646.585
3138	7352112.352	5045797.380	6586363.970	5044647.468
3139	7352106.929	5045790.386	6586358.813	5044640.278
3140	7352105.299	5045792.882	6586357.091	5044642.711
3141	7352103.166	5045794.267	6586354.908	5044644.015
3142	7352098.686	5045796.338	6586350.355	5044645.917
3143	7352093.297	5045797.979	6586344.909	5044647.355
3144	7352091.679	5045769.045	6586344.374	5044618.386
3145	7352090.531	5045769.836	6586343.197	5044619.133
3146	7352088.670	5045771.488	6586341.276	5044620.714
3147	7352084.107	5045772.912	6586336.664	5044621.966
3148	7352082.405	5045773.876	6586334.927	5044622.866
3149	7352080.022	5045775.175	6586332.498	5044624.075
3150	7352075.195	5045743.236	6586328.868	5044591.983
3151	7352074.326	5045743.874	6586327.976	5044592.588
3152	7352072.208	5045745.531	6586325.798	5044594.165
3153	7352068.773	5045748.325	6586322.262	5044596.828
3154	7352064.659	5045725.819	6586318.992	5044574.188
3155	7352063.404	5045726.474	6586317.714	5044574.796
3156	7352061.640	5045728.329	6586315.882	5044576.583
3157	7352056.740	5045728.951	6586310.963	5044577.021
3158	7352053.633	5045729.428	6586307.841	5044577.382
3159	7352051.280	5045730.058	6586305.467	5044577.923
3160	7352049.530	5045730.735	6586303.693	5044578.535
3161	7352047.396	5045731.253	6586301.541	5044578.972



3162	7352052.947	5045705.267	6586308.058	5044553.216
3163	7352051.171	5045706.235	6586306.248	5044554.117
3164	7352048.629	5045707.167	6586303.673	5044554.953
3165	7352045.773	5045711.163	6586300.670	5044558.839
3166	7352044.503	5045711.899	6586299.374	5044559.527
3167	7352038.321	5045681.934	6586294.317	5044529.357
3168	7352036.617	5045682.674	6586292.587	5044530.033
3169	7352034.530	5045684.088	6586290.449	5044531.368
3170	7352029.323	5045684.482	6586285.232	5044531.567
3171	7352027.207	5045686.712	6586283.034	5044533.716
3172	7352025.451	5045687.351	6586281.256	5044534.289
3173	7352022.637	5045693.658	6586278.209	5044540.485
3174	7352022.793	5045654.066	6586279.844	5044500.934
3175	7352020.277	5045654.760	6586277.304	5044501.533
3176	7352018.115	5045656.850	6586275.066	5044503.541
3177	7352012.118	5045656.147	6586269.100	5044502.614
3178	7352010.198	5045656.896	6586267.154	5044503.291
3179	7352012.877	5045641.663	6586270.400	5044488.171
3180	7352011.977	5045639.963	6586269.564	5044486.439
3181	7352007.176	5045627.458	6586265.235	5044473.766
3182	7352005.811	5045629.706	6586263.787	5044475.961
3183	7352002.758	5045630.929	6586260.691	5044477.068
3184	7352000.803	5045632.146	6586258.692	5044478.211
3185	7351998.398	5045633.306	6586256.246	5044479.281
3186	7351995.530	5045635.427	6586253.301	5044481.292
3187	7351993.190	5045636.441	6586250.925	5044482.218
3188	7351996.982	5045626.035	6586255.103	5044471.963
3189	7351986.462	5045595.143	6586245.746	5044440.705
3190	7351984.652	5045595.174	6586243.936	5044440.668
3191	7351982.195	5045596.172	6586241.444	5044441.574
3192	7351980.685	5045598.945	6586239.832	5044444.288
3193	7351978.336	5045600.332	6586237.433	5044445.586
3194	7351974.837	5045600.526	6586233.930	5044445.649
3195	7351972.765	5045602.475	6586231.787	5044447.519
3196	7351967.671	5045561.889	6586228.214	5044406.778
3197	7351966.107	5045562.615	6586226.624	5044407.445
3198	7351963.297	5045563.974	6586223.766	5044408.698
3199	7351960.539	5045564.413	6586220.994	5044409.033
3200	7351956.887	5045565.586	6586217.301	5044410.069
3201	7351952.086	5045567.380	6586212.437	5044411.682
3202	7351948.969	5045565.879	6586209.379	5044410.066
3203	7351942.432	5045519.223	6586204.591	5044363.207
3204	7351940.701	5045520.028	6586202.831	5044363.946
3205	7351941.154	5045521.427	6586203.232	5044365.361
3206	7351937.013	5045519.729	6586199.158	5044363.510
3207	7351934.933	5045520.619	6586197.046	5044364.321
3208	7351930.160	5045522.319	6586192.214	5044365.841
3209	7351926.431	5045523.620	6586188.440	5044367.002
3210	7351923.733	5045523.096	6586185.764	5044366.378
3211	7351921.288	5045485.372	6586184.730	5044328.595
3212	7351920.329	5045486.000	6586183.749	5044329.187
3213	7351917.745	5045487.173	6586181.123	5044330.262
3214	7351916.083	5045488.537	6586179.411	5044331.563
3215	7351912.815	5045493.722	6586175.953	5044336.621
3216	7351910.893	5045495.092	6586173.981	5044337.918
3217	7351905.627	5045457.956	6586170.107	5044300.618
3218	7351904.308	5045459.258	6586168.741	5044301.870
3219	7351901.570	5045460.122	6586165.973	5044302.631
3220	7351899.515	5045461.055	6586163.885	5044303.486
3221	7351897.757	5045463.106	6586162.052	5044305.470
3222	7351896.083	5045467.127	6586160.229	5044309.425
3223	7351892.853	5045467.615	6586156.983	5044309.792
3224	7351876.486	5045409.412	6586142.805	5044251.028
3225	7351875.528	5045411.447	6586141.772	5044253.026
3226	7351872.833	5045411.897	6586139.063	5044253.374
3227	7351870.974	5045413.638	6586137.140	5044255.044
3228	7351869.955	5045415.008	6586136.071	5044256.375
3229	7351868.630	5045416.809	6586134.680	5044258.125
3230	7351865.740	5045418.394	6586131.733	5044259.601



3231	7351857.844	5045418.782	6586123.830	5044259.693
3232	7351853.624	5045419.903	6586119.571	5044260.656
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3235	7351850.943	5045374.891	6586118.574	5044215.583
3236	7351849.346	5045376.866	6586116.905	5044217.497
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3238	7351846.330	5045379.478	6586113.794	5044219.994
3239	7351843.804	5045383.075	6586111.136	5044223.493
3240	7351842.145	5045350.798	6586110.684	5044191.183
3241	7351840.293	5045352.141	6586108.784	5044192.455
3242	7351837.864	5045352.878	6586106.329	5044193.101
3243	7351837.149	5045356.423	6586105.482	5044196.616
3244	7351836.697	5045357.311	6586104.998	5044197.486
3245	7351834.226	5045358.990	6586102.466	5044199.071
3246	7351829.139	5045364.933	6586097.161	5044204.819
3247	7351819.782	5045313.851	6586089.721	5044153.432
3248	7351818.343	5045314.904	6586088.244	5044154.431
3249	7351815.547	5045315.329	6586085.435	5044154.751
3250	7351813.590	5045317.156	6586083.411	5044156.503
3251	7351811.762	5045317.433	6586081.574	5044156.712
3252	7351809.292	5045318.785	6586079.056	5044157.970
3253	7351804.206	5045326.544	6586073.685	5044165.532
3254	7351803.427	5045287.315	6586074.372	5044126.309
3255	7351802.438	5045288.045	6586073.356	5044127.001
3256	7351799.921	5045288.733	6586070.816	5044127.595
3257	7351797.602	5045289.466	6586068.472	5044128.240
3258	7351796.415	5045292.555	6586067.170	5044131.282
3259	7351794.780	5045295.071	6586065.443	5044133.735
3260	7351790.896	5045298.447	6586061.436	5044136.963
3261	7351788.158	5045299.703	6586058.653	5044138.115
3262	7351778.464	5045244.991	6586051.012	5044083.089
3263	7351777.161	5045245.790	6586049.680	5044083.839
3264	7351774.956	5045246.688	6586047.443	5044084.654
3265	7351772.028	5045246.096	6586044.540	5044083.953
3266	7351768.550	5045243.024	6586041.180	5044080.754
3267	7351765.580	5045243.920	6586038.179	5044081.538
3268	7351760.123	5045250.306	6586032.488	5044087.714
3269	7351756.196	5045252.398	6586028.487	5044089.658
3270	7351747.377	5045191.376	6586021.955	5044028.360
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3272	7351743.456	5045193.630	6586017.953	5044030.465
3273	7351741.731	5045195.357	6586016.165	5044032.127
3274	7351741.147	5045196.852	6586015.526	5044033.598
3275	7351738.670	5045198.875	6586012.976	5044035.527
3276	7351735.849	5045200.493	6586010.097	5044037.038
3277	7351733.505	5045202.303	6586007.687	5044038.759
3278	7351726.713	5045201.575	6586000.928	5044037.778
3279	7351723.508	5045205.003	6585997.598	5044041.083
3280	7351694.580	5045180.356	6585969.616	5044015.377
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3282	7351699.322	5045156.476	6585975.246	5043991.695
3283	7351700.669	5045149.128	6585976.866	5043984.404
3284	7351692.245	5045115.263	6585969.715	5043950.254
3285	7351693.755	5045114.291	6585971.260	5043949.339
3286	7351695.582	5045112.876	6585973.138	5043947.994
3287	7351674.377	5045084.392	6585953.016	5043918.743
3288	7351675.457	5045083.422	6585954.131	5043917.814
3289	7351654.546	5045050.782	6585934.458	5043884.421
3290	7351655.725	5045050.287	6585935.654	5043883.971
3291	7351638.555	5045023.244	6585919.510	5043856.310
3292	7351639.341	5045022.556	6585920.321	5043855.652
3293	7351615.113	5044985.313	6585897.505	5043817.537
3294	7351616.793	5044984.584	6585899.211	5043816.871
3295	7351598.337	5044955.900	6585881.843	5043787.523
3296	7351599.553	5044955.202	6585883.084	5043786.871
3297	7351578.307	5044922.687	6585863.071	5043753.591
3298	7351579.737	5044921.883	6585864.530	5043752.841
3299	7351557.814	5044885.686	6585843.978	5043715.857



3300	7351554.461	5044887.172	6585840.573	5043717.216
sp31a	7350879.985	5044443.535	6585183.262	5043248.775
sp31b	7350879.984	5044443.536	6585183.261	5043248.776
sp31c	7350879.985	5044443.536	6585183.262	5043248.776
sp32a	7350835.950	5044384.465	6585141.473	5043188.112
sp32b	7350835.946	5044384.464	6585141.469	5043188.111
sp32c	7350835.944	5044384.463	6585141.467	5043188.110
4001	7350953.525	5044541.646	6585253.073	5043349.546
4002	7350954.414	5044541.008	6585253.985	5043348.942
4003	7350956.299	5044539.749	6585255.915	5043347.754
4004	7350975.796	5044526.353	6585275.895	5043335.099
4005	7350999.215	5044510.179	6585299.898	5043319.814
4006	7351021.943	5044494.426	6585323.194	5043304.924
4007	7351003.446	5044461.478	6585305.944	5043271.314
4008	7350979.104	5044476.837	6585281.050	5043285.750
4009	7350959.442	5044492.267	6585260.829	5043300.432
4010	7350935.701	5044512.572	6585236.350	5043319.832
4011	7350934.834	5044513.208	6585235.460	5043320.435
4012	7350921.082	5044495.738	6585222.373	5043302.467
4013	7350922.565	5044494.633	6585223.896	5043301.418
4014	7350912.501	5044483.030	6585214.274	5043289.449
4015	7350940.164	5044481.728	6585241.962	5043289.182
4016	7350963.920	5044464.327	6585266.347	5043272.684
4017	7350983.206	5044425.733	6585287.057	5043234.844
4018	7350975.444	5044417.343	6585279.616	5043226.172
4019	7350952.971	5044442.942	6585256.206	5043250.909
4020	7350938.965	5044453.421	6585241.821	5043260.855
4021	7350924.512	5044463.545	6585227.003	5043270.430
4022	7350928.438	5044455.409	6585231.229	5043262.448
4023	7350949.067	5044474.506	6585251.127	5043282.299
4024	7350959.931	5044490.621	6585261.379	5043298.805
4025	7350987.932	5044496.988	6585289.118	5043306.213
4026	7350973.249	5044506.697	6585274.085	5043315.365
4027	7350957.329	5044517.193	6585257.787	5043325.257
4028	7350945.278	5044525.954	6585245.419	5043333.560
4029	7350944.031	5044526.669	6585244.147	5043334.228
4030	7350958.412	5044545.839	6585257.799	5043353.918
4031	7350959.801	5044544.554	6585259.235	5043352.686
4032	7350970.866	5044533.692	6585270.696	5043342.247
4033	7350971.880	5044534.940	6585271.662	5043343.532
4034	7350983.960	5044524.070	6585284.137	5043333.123
4035	7350984.678	5044525.003	6585284.820	5043334.082
4036	7350999.272	5044513.481	6585299.831	5043323.115
4037	7350999.719	5044514.277	6585300.248	5043323.927
4038	7351014.948	5044503.758	6585315.857	5043313.986
4039	7351025.076	5044499.353	6585326.140	5043309.963
4040	7351026.168	5044499.925	6585327.210	5043310.575
4041	7351021.415	5044489.963	6585322.833	5043300.445
4042	7351020.560	5044490.345	6585321.965	5043300.794
4043	7351016.821	5044505.630	6585317.658	5043315.926
4044	7351024.200	5044520.434	6585324.478	5043330.993
4045	7351014.648	5044526.771	6585314.697	5043336.968
4046	7351004.637	5044514.339	6585305.160	5043324.173
4047	7350994.721	5044521.827	6585294.973	5043331.284
4048	7351003.803	5044535.247	6585303.545	5043345.031
4049	7350990.483	5044545.992	6585289.836	5043355.269
4050	7350978.378	5044535.443	6585278.136	5043344.277
4051	7350969.727	5044542.038	6585269.246	5043350.543
4052	7350981.113	5044556.021	6585280.099	5043364.939
4053	7351003.130	5044584.284	6585301.041	5043394.000
4054	7351004.683	5044583.621	6585302.618	5043393.395
4055	7351005.285	5044585.194	6585303.160	5043394.989
4056	7351012.699	5044583.346	6585310.637	5043393.420
4057	7351006.098	5044567.014	6585304.652	5043376.856
4058	7351010.668	5044546.519	6585309.983	5043356.549
4059	7351030.153	5044549.396	6585329.344	5043360.152
4060	7350972.019	5044564.281	6585270.705	5043372.852
4061	7350821.617	5044438.354	6585125.139	5043241.418
sp34a	7350888.623	5044268.435	6585198.433	5043074.152



sp34b	7350888.622	5044268.439	6585198.432	5043074.156
sp34c	7350888.616	5044268.436	6585198.426	5043074.153
sp35a	7350891.453	5044295.819	6585200.238	5043101.617
sp35b	7350891.449	5044295.820	6585200.234	5043101.618
sp35c	7350891.454	5044295.822	6585200.239	5043101.620
4147	7350905.039	5044292.891	6585213.921	5043099.199
4148	7350914.958	5044304.634	6585223.393	5043111.303
4149	7350926.440	5044325.154	6585234.098	5043132.233
4150	7350923.769	5044346.241	6585230.642	5043153.202
4151	7350924.820	5044347.595	6585231.642	5043154.594
4152	7350939.965	5044355.078	6585246.494	5043162.636
4153	7350942.557	5044353.709	6585249.135	5043161.365
4214	7350985.113	5044242.748	6585295.798	5043052.092
4215	7350985.036	5044246.175	6585295.593	5043055.513
4216	7350981.212	5044259.533	6585291.273	5043068.716
4217	7350972.628	5044264.831	6585282.499	5043073.689
4218	7350988.144	5044252.049	6585298.479	5043061.498
4219	7350995.892	5044251.530	6585306.239	5043061.269
4220	7351000.921	5044253.365	6585311.195	5043063.290
4221	7351005.445	5044254.146	6585315.686	5043064.239
4222	7351004.358	5044260.114	6585314.377	5043070.161
4223	7351000.206	5044259.425	6585310.254	5043069.318
4224	7351003.149	5044257.750	6585313.257	5043067.754
4225	7351009.523	5044262.756	6585319.439	5043072.994
4226	7351004.127	5044269.599	6585313.792	5043079.629
4227	7350995.966	5044273.514	6585305.492	5043083.236
4228	7351001.014	5044286.027	6585310.068	5043095.926
4229	7351007.452	5044282.990	6585316.614	5043093.133
4230	7351014.596	5044282.599	6585323.766	5043093.009
4231	7351013.177	5044292.789	6585321.968	5043103.137
4232	7351015.971	5044285.174	6585325.044	5043095.633
4233	7351017.683	5044286.533	6585326.704	5043097.055
4234	7351014.554	5044280.671	6585323.796	5043091.081
4235	7351010.771	5044274.257	6585320.256	5043084.531
4236	7351020.146	5044260.640	6585330.132	5043071.276
4237	7351029.657	5044262.995	6585339.546	5043073.985
4238	7351033.450	5044269.348	6585343.099	5043080.474
4239	7351037.892	5044263.890	6585347.740	5043075.186
4240	7350994.225	5044247.239	6585304.734	5043056.919
4241	7350995.423	5044238.113	6585306.272	5043047.846
4242	7351003.193	5044249.004	6585313.628	5043059.017
4243	7351010.859	5044250.861	6585321.218	5043061.159
4244	7351016.951	5044239.005	6585327.747	5043049.541
4245	7351019.499	5044250.229	6585329.874	5043060.850
4246	7351019.088	5044253.289	6585329.349	5043063.892
4247	7351018.045	5044256.522	6585328.186	5043067.084
4248	7351029.202	5044256.644	6585339.329	5043067.622
4249	7351030.226	5044253.783	6585340.459	5043064.802
4250	7351039.029	5044250.309	6585349.384	5043061.660
4251	7351041.109	5044261.599	6585351.040	5043073.018
4252	7351041.861	5044267.700	6585351.564	5043079.141
4253	7351046.947	5044267.166	6585356.665	5043078.798
4254	7351050.577	5044268.136	6585360.256	5043079.903
4255	7351048.323	5044275.174	6585357.741	5043086.850
4256	7351043.213	5044272.360	6585352.740	5043083.848
4257	7351055.749	5044268.667	6585365.403	5043080.626
4258	7351061.338	5044267.463	6585371.032	5043079.632
4259	7351052.928	5044258.124	6585362.979	5043069.987
4260	7350991.166	5044222.421	6585302.605	5043032.009
4261	7351074.249	5044276.639	6585383.589	5043089.282
4262	7351076.542	5044274.605	6585385.956	5043087.336
4263	7351085.399	5044266.155	6585395.121	5043079.224
4264	7351074.756	5044278.657	6585384.020	5043091.317
4265	7351073.338	5044281.219	6585382.508	5043093.824
4266	7351070.557	5044284.742	6585379.598	5043097.240
4267	7351091.264	5044289.688	6585400.102	5043102.955
4268	7351092.635	5044287.676	6585401.547	5043100.996
4269	7351094.225	5044285.984	6585403.199	5043099.365
4270	7351098.756	5044277.803	6585408.031	5043091.361



4271	7351089.735	5044293.781	6585398.421	5043106.988
4272	7351084.770	5044296.270	6585393.368	5043109.289
4273	7351081.358	5044288.836	6585390.236	5043101.734
4274	7351099.724	5044311.216	6585407.750	5043124.780
4275	7351104.920	5044305.275	6585413.164	5043119.039
4276	7351107.073	5044310.004	6585415.138	5043123.844
4277	7351106.957	5044303.238	6585415.275	5043117.080
4278	7351110.597	5044299.677	6585419.045	5043113.658
4279	7351114.033	5044296.342	6585422.602	5043110.454
4280	7351105.114	5044294.437	6585413.762	5043108.217
4281	7351119.460	5044311.750	6585427.449	5043126.051
4282	7351128.058	5044303.020	6585436.365	5043117.650
4283	7351116.962	5044313.731	6585424.879	5043127.937
4284	7351114.879	5044314.912	6585422.754	5043129.039
4285	7351111.139	5044319.572	6585418.843	5043133.555
4286	7351110.850	5044327.217	6585418.269	5043141.183
4287	7351103.578	5044352.086	6585410.074	5043165.758
4288	7351111.855	5044346.193	6585418.564	5043160.180
4289	7351123.994	5044334.557	6585431.127	5043149.007
4290	7351127.743	5044331.047	6585435.004	5043145.640
4291	7351129.989	5044329.172	6585437.318	5043143.851
4292	7351132.242	5044326.442	6585439.671	5043141.208
4293	7351121.016	5044318.245	6585428.761	5043132.598
4294	7351123.319	5044316.641	6585431.122	5043131.082
4295	7351118.229	5044319.632	6585425.925	5043133.880
4296	7351133.852	5044338.886	6585440.815	5043153.701
4297	7351137.506	5044339.386	6585444.447	5043154.337
4298	7351139.505	5044337.716	6585446.506	5043152.743
4299	7351135.593	5044340.251	6585442.503	5043155.130
4300	7351132.522	5044344.946	6585439.259	5043159.706
4301	7351122.354	5044354.126	6585428.758	5043168.498
4302	7351155.466	5044341.713	6585462.304	5043157.333
4303	7351148.670	5044350.506	6585455.186	5043165.864
4304	7351146.787	5044352.449	6585453.232	5043167.735
4305	7351144.614	5044354.029	6585451.002	5043169.232
4306	7351139.527	5044356.182	6585445.839	5043171.193
4307	7351128.491	5044364.691	6585434.494	5043179.283
4308	7351151.451	5044375.761	6585457.021	5043191.201
4309	7351148.923	5044376.334	6585454.474	5043191.679
4310	7351157.020	5044371.231	6585462.754	5043186.883
4311	7351158.932	5044370.097	6585464.707	5043185.821
4312	7351160.566	5044368.558	6585466.397	5043184.344
4313	7351177.453	5044393.011	6585482.356	5043209.407
4314	7351174.914	5044394.349	6585479.769	5043210.649
4315	7351172.774	5044395.514	6585477.587	5043211.733
4316	7351163.037	5044397.878	6585467.770	5043213.731
4317	7351181.798	5044389.908	6585486.813	5043206.469
4318	7351186.081	5044388.819	6585491.132	5043205.541
4319	7351158.219	5044373.806	6585463.856	5043189.500
4320	7351182.659	5044411.813	6585486.855	5043228.387
4321	7351192.524	5044439.474	6585495.678	5043256.392
4322	7351186.582	5044427.178	6585490.200	5043243.885
4323	7351178.791	5044421.891	6585482.614	5043238.311
4324	7351178.556	5044424.230	6585482.291	5043240.639
4325	7351179.151	5044439.472	6585482.317	5043255.890
4326	7351175.094	5044438.953	6585478.282	5043255.220
4327	7351173.126	5044427.672	6585476.738	5043243.876
4328	7351155.829	5044414.537	6585459.946	5043230.106
4329	7351131.632	5044387.543	6585436.779	5043202.232
4330	7351076.133	5044319.386	6585383.875	5043132.062
4331	7351057.619	5044316.451	6585365.487	5043128.438
4332	7351049.486	5044305.950	6585357.753	5043117.642
4333	7350837.927	5044274.175	6585147.568	5043077.993
4334	7350849.301	5044267.397	6585159.185	5043071.646
4335	7350864.237	5044256.730	6585174.506	5043061.546
4336	7350889.219	5044241.733	6585200.026	5043047.496
4337	7350764.846	5044313.300	6585073.090	5043114.354
4338	7350762.904	5044311.159	6585071.229	5043112.142
4339	7350756.261	5044316.082	6585064.408	5043116.813



4340	7350754.655	5044319.736	6585062.667	5043120.403
4341	7350754.058	5044319.493	6585062.080	5043120.138
4342	7350753.804	5044321.343	6585061.757	5043121.977
4343	7350753.441	5044323.229	6585061.324	5043123.848
4344	7350752.165	5044323.095	6585060.054	5043123.667
4345	7350756.843	5044333.774	6585064.329	5043134.511
4346	7350747.391	5044339.078	6585054.687	5043139.457
4347	7350750.875	5044333.243	6585058.386	5043133.757
4348	7350729.683	5044355.928	6585036.365	5043155.631
4349	7350728.708	5044355.042	6585035.424	5043154.709
4350	7350904.218	5044651.557	6585199.704	5043457.518
4351	7350902.679	5044648.473	6585198.281	5043454.380
4352	7350900.497	5044645.198	6585196.223	5043451.026
4353	7350930.729	5044631.444	6585226.942	5043438.413
4354	7350929.029	5044628.250	6585225.363	5043435.159
4355	7350933.737	5044637.289	6585229.729	5043444.366
4356	7350959.127	5044612.462	6585256.025	5043420.509
4357	7350957.414	5044608.860	6585254.448	5043416.846
4358	7350955.395	5044610.958	6585252.352	5043418.867
4359	7350971.463	5044609.363	6585268.465	5043417.874
4360	7350956.469	5044593.312	6585254.084	5043401.277
4361	7350952.593	5044593.384	6585250.209	5043401.204
4362	7350943.704	5044583.764	6585241.687	5043391.260
4363	7350944.777	5044589.002	6585242.563	5043396.534
4364	7350947.567	5044592.448	6585245.222	5043400.081
4365	7350944.255	5044594.431	6585241.839	5043401.938
4366	7350944.070	5044594.675	6585241.645	5043402.175
4367	7350946.035	5044598.197	6585243.477	5043405.768
4368	7350942.940	5044576.356	6585241.200	5043383.830
4369	7350932.830	5044561.505	6585231.654	5043368.615
4370	7350908.565	5044571.405	6585207.041	5043377.600
4371	7350901.524	5044552.926	6585200.696	5043358.874
4372	7350882.019	5044555.860	6585181.099	5043361.077
4373	7350861.304	5044563.495	6585160.117	5043367.931
4374	7350870.707	5044577.552	6585168.987	5043382.327
4375	7350886.010	5044594.173	6585183.655	5043399.505
4376	7350897.783	5044609.958	6585194.828	5043415.716
4377	7350901.804	5044613.896	6585198.698	5043419.800
4378	7350905.490	5044616.396	6585202.288	5043422.436
4379	7350907.918	5044618.936	6585204.619	5043425.064
4380	7350906.649	5044626.385	6585203.073	5043432.459
4381	7350908.783	5044629.617	6585205.084	5043435.768
4382	7350893.120	5044621.386	6585189.742	5043426.959
4383	7350893.437	5044624.335	6585189.949	5043429.918
4384	7350890.279	5044623.848	6585186.812	5043429.313
4385	7350886.893	5044618.810	6585183.617	5043424.153
4386	7350879.896	5044623.404	6585176.455	5043428.482
4387	7350879.867	5044632.417	6585176.089	5043437.486
4388	7350881.228	5044631.378	6585177.488	5043436.498
4389	7350885.509	5044631.231	6585181.770	5043436.511
4390	7350880.572	5044636.619	6585176.636	5043441.710
4391	7350884.467	5044639.266	6585180.429	5043444.500
4392	7350887.271	5044639.520	6585183.221	5043444.859
4393	7350863.563	5044627.305	6585159.990	5043431.769
4394	7350866.817	5044623.809	6585163.372	5043428.398
4395	7350867.929	5044622.809	6585164.520	5043427.440
4396	7350870.382	5044619.065	6585167.111	5043423.791
4397	7350863.787	5044617.926	6585160.564	5043422.407
4398	7350851.820	5044612.317	6585148.818	5043416.356
4399	7350844.533	5044615.561	6585141.416	5043419.325
4400	7350835.355	5044611.015	6585132.416	5043414.440
4401	7350839.465	5044617.356	6585136.285	5043420.929
4402	7350842.238	5044616.323	6585139.094	5043420.000
4403	7350835.430	5044622.235	6585132.072	5043425.653
4404	7350843.502	5044634.894	6585139.664	5043438.602
4405	7350846.152	5044633.384	6585142.368	5043437.192
4406	7350849.475	5044631.224	6585145.768	5043435.158
4407	7350857.860	5044642.043	6585153.742	5043446.281
4408	7350856.127	5044645.585	6585151.878	5043449.755



4409	7350874.234	5044650.878	6585169.771	5043455.720
4410	7350874.965	5044655.937	6585170.313	5043460.802
4411	7350870.821	5044657.261	6585166.123	5043461.970
4412	7350877.727	5044659.211	6585172.950	5043464.176
4413	7350877.668	5044659.243	6585172.890	5043464.206
sp37a	7350454.759	5044655.597	6584750.491	5043444.765
sp37b	7350454.759	5044655.590	6584750.491	5043444.758
sp37c	7350454.758	5044655.583	6584750.490	5043444.751
sp38a	7350491.187	5044630.747	6584787.815	5043421.298
sp38b	7350491.185	5044630.744	6584787.813	5043421.295
sp38c	7350491.190	5044630.746	6584787.818	5043421.297
4414	7350379.594	5044628.900	6584676.389	5043415.284
4415	7350367.387	5044638.903	6584663.820	5043424.822
4416	7350360.906	5044636.058	6584657.451	5043421.738
4417	7350362.130	5044641.731	6584658.462	5043427.452
4418	7350356.449	5044644.070	6584652.698	5043429.576
4419	7350357.684	5044638.920	6584654.125	5043424.477
4420	7350358.644	5044647.367	6584654.768	5043432.952
4421	7350356.819	5044655.330	6584652.647	5043440.840
4422	7350362.363	5044666.596	6584657.766	5043452.303
4423	7350356.423	5044665.075	6584651.888	5043450.562
4424	7350368.065	5044663.138	6584663.592	5043449.061
4425	7350363.447	5044645.948	6584659.620	5043431.714
4426	7350354.378	5044679.425	6584649.308	5043464.823
4427	7350348.685	5044691.937	6584643.153	5043477.111
sp41a	7350610.865	5044538.177	6584910.845	5043333.280
sp41b	7350610.863	5044538.171	6584910.843	5043333.274
sp41c	7350610.862	5044538.170	6584910.842	5043333.273
sp42a	7350638.529	5044505.499	6584939.705	5043301.665
sp42b	7350638.541	5044505.502	6584939.717	5043301.668
sp42c	7350638.543	5044505.501	6584939.719	5043301.667
4575	7350610.715	5044571.284	6584909.458	5043366.353
4576	7350597.176	5044590.110	6584895.228	5043384.656
4577	7350582.744	5044604.608	6584880.267	5043398.602
4578	7350572.922	5044617.793	6584869.961	5043411.409
4579	7350580.798	5044636.734	6584877.123	5043430.627
4580	7350595.994	5044625.699	6584892.718	5043420.170
4581	7350601.031	5044653.612	6584896.707	5043448.246
4582	7350616.650	5044667.697	6584911.787	5043462.902
4583	7350638.998	5044658.626	6584934.454	5043454.674
4584	7350653.538	5044677.841	6584948.263	5043474.415
4585	7350639.377	5044691.089	6584933.620	5043487.122
4586	7350705.144	5044642.022	6585001.161	5043440.555
4587	7350688.458	5044620.720	6584985.286	5043418.649
4588	7350728.931	5044592.605	6585026.773	5043392.071
4589	7350742.575	5044621.616	6585039.322	5043421.566
4590	7350748.579	5044634.839	6585044.826	5043435.001
4591	7350762.530	5044657.486	6585057.919	5043458.149
4592	7350795.064	5044688.538	6585089.264	5043490.389
4593	7350811.952	5044675.060	6585106.641	5043477.554
4594	7350824.542	5044663.260	6585119.661	5043466.235
4595	7350843.652	5044651.000	6585139.212	5043454.699
4596	7350859.166	5044668.223	6585154.069	5043472.487
4597	7350837.107	5044682.889	6585131.481	5043486.316
4598	7350806.601	5044704.445	6585100.197	5043506.713
4599	7350795.700	5044703.250	6585089.350	5043505.112
4600	7350779.039	5044713.341	6585072.327	5043514.572
4601	7350773.782	5044707.659	6585067.287	5043508.698
4602	7350753.081	5044721.901	6585046.072	5043522.155
4603	7350760.122	5044739.594	6585052.446	5043540.095
4604	7350757.117	5044739.300	6585049.455	5043539.689
4605	7350745.541	5044747.282	6585037.591	5043547.232
4606	7350746.620	5044748.749	6585038.614	5043548.738
4607	7350750.187	5044754.520	6585041.962	5043554.637
4608	7350740.848	5044746.386	6585032.935	5043546.161
4609	7350735.179	5044738.375	6585027.571	5043537.945
4610	7350733.594	5044736.681	6585026.050	5043536.194
4611	7350734.272	5044732.779	6585026.873	5043532.320
4612	7350736.066	5044725.643	6585028.932	5043525.258



4613	7350741.198	5044720.316	6585034.259	5043520.127
4614	7350750.751	5044723.851	6585043.671	5043524.016
4615	7350728.995	5044739.553	6585021.348	5043538.891
4616	7350717.928	5044761.571	6585009.468	5043560.476
4617	7350727.337	5044759.596	6585018.943	5043558.855
4618	7350694.160	5044785.668	6584984.821	5043583.664
4619	7350683.425	5044770.242	6584974.672	5043567.851
4620	7350664.309	5044784.347	6584955.046	5043581.229
4621	7350677.710	5044799.015	6584967.887	5043596.385
4622	7350650.380	5044770.840	6584941.634	5043567.214
4623	7350634.287	5044752.133	6584926.254	5043547.922
4624	7350587.734	5044744.371	6584880.032	5043538.428
4625	7350610.993	5044767.588	6584902.403	5043562.494
4626	7350627.908	5044786.849	6584918.584	5043582.369
4627	7350641.567	5044807.477	6584931.460	5043603.489
4628	7350582.740	5044821.785	6584872.151	5043615.587
4629	7350569.794	5044831.767	6584858.843	5043625.077
4630	7350563.614	5044835.903	6584852.514	5043628.978
4631	7350552.920	5044842.447	6584841.585	5043635.117
4632	7350542.954	5044847.869	6584831.425	5043640.162
4633	7350529.638	5044857.408	6584817.765	5043649.195
4634	7350513.173	5044835.776	6584802.122	5043626.967
4635	7350503.247	5044839.105	6584792.081	5043629.922
4636	7350496.385	5044806.432	6584786.445	5043597.022
4637	7350502.297	5044799.024	6584792.629	5043589.841
4638	7350508.089	5044804.308	6584798.218	5043595.337
4639	7350514.388	5044792.226	6584804.963	5043583.501
4640	7350524.735	5044782.330	6584815.671	5043574.000
4641	7350531.902	5044774.248	6584823.133	5043566.193
4642	7350546.585	5044763.566	6584838.202	5043556.069
4643	7350535.068	5044740.445	6584827.559	5043532.538
4644	7350515.547	5044753.976	6584807.550	5043545.328
4645	7350508.646	5044754.932	6584800.619	5043546.026
4646	7350499.672	5044756.953	6584791.578	5043547.710
4647	7350489.484	5044761.651	6584781.223	5043552.023
4648	7350481.703	5044768.833	6584773.181	5043558.908
4649	7350485.537	5044745.998	6584777.865	5043536.236
4650	7350498.659	5044741.293	6584791.151	5043532.026
4651	7350504.998	5044739.355	6584797.556	5043530.326
4652	7350506.131	5044735.246	6584798.842	5043526.263
4653	7350501.503	5044732.723	6584794.312	5043523.569
4654	7350497.924	5044716.332	6584791.349	5043507.059
4655	7350507.201	5044717.304	6584800.581	5043508.377
4656	7350501.744	5044701.684	6584795.713	5043492.567
4657	7350516.684	5044695.480	6584810.871	5043486.926
4658	7350528.162	5044689.143	6584822.576	5043481.024
4659	7350545.268	5044676.294	6584840.146	5043468.825
4660	7350506.028	5044684.131	6584800.648	5043475.189
4661	7350494.782	5044690.391	6584789.179	5043481.024
4662	7350484.350	5044686.908	6584778.886	5043477.154
4663	7350479.141	5044674.303	6584774.152	5043464.366
4664	7350475.639	5044652.189	6584771.480	5043442.140
4665	7350923.356	5044577.536	6585221.590	5043384.278
4666	7350909.726	5044589.993	6585207.506	5043396.214
4667	7350895.013	5044580.926	6585193.145	5043386.606
4668	7350876.307	5044608.460	6585173.427	5043413.417
4669	7350878.288	5044606.026	6585175.497	5043411.059
4670	7350872.479	5044612.395	6585169.455	5043417.205
4671	7350866.946	5044607.192	6585164.122	5043411.800
4672	7350861.819	5044601.134	6585159.225	5043405.556
4673	7350859.780	5044586.704	6585157.727	5043391.063
4674	7350853.285	5044580.544	6585151.468	5043384.665
4675	7350783.127	5044570.344	6585081.753	5043371.854
4676	7350778.977	5044565.665	6585077.782	5043367.024
4677	7351044.342	5044603.444	6585341.501	5043414.682
4678	7351074.288	5044616.654	6585370.927	5043428.999
4679	7351063.730	5044605.673	6585360.789	5043417.633
4680	7351059.991	5044591.634	6585357.578	5043403.467
4681	7351055.651	5044583.278	6585353.554	5043394.956



4682	7351053.571	5044580.019	6585351.597	5043391.623
4683	7351049.743	5044575.222	6585347.952	5043386.687
4684	7351048.296	5044573.162	6585346.583	5043384.575
4685	7351050.190	5044562.466	6585348.875	5043373.959
4686	7351039.747	5044591.715	6585337.348	5043402.792
4687	7351001.521	5044597.221	6585298.950	5043406.865
4688	7350990.017	5044590.512	6585287.707	5043399.732
4689	7350972.233	5044565.863	6585270.860	5043374.441
6001	7351184.811	5044486.907	6585486.200	5043303.495
6002	7351184.706	5044486.501	6585486.110	5043303.085
6003	7351181.087	5044487.848	6585482.444	5043304.296
6004	7351180.940	5044487.389	6585482.314	5043303.832
6005	7351177.405	5044488.985	6585478.723	5043305.294
6006	7351177.233	5044488.518	6585478.568	5043304.821
6007	7351173.343	5044490.395	6585474.611	5043306.551
6008	7351173.198	5044489.901	6585474.485	5043306.052
6009	7351172.300	5044489.213	6585473.614	5043305.332
6010	7351169.779	5044491.806	6585470.998	5043307.828
6011	7351169.639	5044491.559	6585470.867	5043307.576
6012	7351170.993	5044496.031	6585472.053	5043312.095
6013	7351170.995	5044500.028	6585471.906	5043316.088
6014	7351171.435	5044500.405	6585472.331	5043316.481
6015	7351174.871	5044498.491	6585475.836	5043314.697
6016	7351175.110	5044498.926	6585476.058	5043315.141
6017	7351178.922	5044497.170	6585479.932	5043313.529
6018	7351179.041	5044497.733	6585480.030	5043314.096
6019	7351178.277	5044493.563	6585479.423	5043309.901
6020	7351182.844	5044496.381	6585483.881	5043312.887
6021	7351182.963	5044497.007	6585483.976	5043313.517
6022	7351186.838	5044496.031	6585487.884	5043312.687
6023	7351186.949	5044496.537	6585487.976	5043313.196
6024	7351186.521	5044491.943	6585487.720	5043308.590
6025	7351190.863	5044495.846	6585491.912	5043312.652
6026	7351190.896	5044496.340	6585491.927	5043313.147
6027	7351194.922	5044495.862	6585495.967	5043312.820
6028	7351194.882	5044496.403	6585495.907	5043313.359
6029	7351195.281	5044491.379	6585496.493	5043308.354
6030	7351194.410	5044498.867	6585495.343	5043315.803
6031	7351190.276	5044498.751	6585491.217	5043315.533
6032	7351185.308	5044499.140	6585486.239	5043315.736
6033	7351179.877	5044501.082	6585480.741	5043317.473
6034	7351173.734	5044502.730	6585474.541	5043318.890
6035	7351164.431	5044489.987	6585465.723	5043305.811
6036	7351167.588	5044487.992	6585468.951	5043303.936
6037	7351171.561	5044485.773	6585473.004	5043301.867
6038	7351169.159	5044483.527	6585470.688	5043299.533
6039	7351176.879	5044481.384	6585478.481	5043297.680
6040	7351175.137	5044477.917	6585476.870	5043294.151
6041	7351181.464	5044478.753	6585483.160	5043295.223
6042	7351181.452	5044474.526	6585483.306	5043290.999
6043	7351186.788	5044475.831	6585488.589	5043292.502
6044	7351191.047	5044471.525	6585493.005	5043288.359
6045	7351189.958	5044467.509	6585492.067	5043284.306
6046	7351186.053	5044469.505	6585488.091	5043286.155
6047	7351196.111	5044468.607	6585498.173	5043285.633
6048	7351199.287	5044468.546	6585501.349	5043285.691
6049	7351203.417	5044469.813	6585505.428	5043287.111
6050	7351202.017	5044473.291	6585503.899	5043290.534
6051	7351200.543	5044479.283	6585502.203	5043296.465
6052	7351193.479	5044482.681	6585495.018	5043299.596
6053	7351185.177	5044482.846	6585486.717	5043299.451
6054	7351177.483	5044485.340	6585478.937	5043301.656
6055	7351170.724	5044488.654	6585472.060	5043304.714
6056	7351206.008	5044472.403	6585507.920	5043289.795
6057	7351206.194	5044468.784	6585508.241	5043286.187
6058	7351204.491	5044466.460	6585506.626	5043283.801
6059	7351200.369	5044464.521	6585502.580	5043281.710
6060	7351197.278	5044462.530	6585499.566	5043279.605
6061	7351193.567	5044461.156	6585495.910	5043278.094



6062	7351190.026	5044461.311	6585492.366	5043278.116
6063	7351185.480	5044463.775	6585487.732	5043280.408
6064	7351180.199	5044466.023	6585482.372	5043282.457
6065	7351170.168	5044472.100	6585472.123	5043288.154
6066	7351203.329	5044461.308	6585505.658	5043278.610
6067	7351207.910	5044462.885	6585510.176	5043280.357
6068	7351212.459	5044464.404	6585514.664	5043282.044
6069	7351217.941	5044466.866	6585520.049	5043284.709
6070	7351215.345	5044463.906	6585517.566	5043281.655
6071	7351222.149	5044471.643	6585524.075	5043289.639
6072	7351225.653	5044475.133	6585527.446	5043293.257
6073	7351220.781	5044473.216	6585522.649	5043291.160
6074	7351217.366	5044469.799	6585519.365	5043287.618
6075	7351210.920	5044473.972	6585512.769	5043291.547
6076	7351213.983	5044477.301	6585515.705	5043294.987
6077	7351218.466	5044481.016	6585520.045	5043298.866
6078	7351232.170	5044476.532	6585533.905	5043294.898
6079	7351234.112	5044474.970	6585535.903	5043293.410
6080	7351232.081	5044470.847	6585534.028	5043289.215
6081	7351230.265	5044470.989	6585532.208	5043289.289
6082	7351227.609	5044469.534	6585529.609	5043287.736
6083	7351225.031	5044466.174	6585527.159	5043284.283
6084	7351221.919	5044461.996	6585524.206	5043279.992
6085	7351219.450	5044458.437	6585521.872	5043276.344
6086	7351229.439	5044467.622	6585531.509	5043285.894
6087	7351231.681	5044467.725	6585533.745	5043286.081
6088	7351227.586	5044464.013	6585529.792	5043282.219
6089	7351225.035	5044458.527	6585527.448	5043276.642
6090	7351223.836	5044455.098	6585526.379	5043273.172
6091	7351228.427	5044455.113	6585530.965	5043273.358
6092	7351229.526	5044451.678	6585532.191	5043269.967
6093	7351231.368	5044459.754	6585533.730	5043278.105
6094	7351234.832	5044464.050	6585537.030	5043282.526
6095	7351238.239	5044470.027	6585540.211	5043288.625
6096	7351244.728	5044465.596	6585546.860	5043284.441
6097	7351242.625	5044462.305	6585544.882	5043281.074
6098	7351241.166	5044460.572	6585543.489	5043279.288
6099	7351237.529	5044456.364	6585540.012	5043274.948
6100	7351234.557	5044452.069	6585537.203	5043270.546
6101	7351233.762	5044449.800	6585536.494	5043268.249
6102	7351233.318	5044448.559	6585536.096	5043266.993
6103	7351232.998	5044446.855	6585535.840	5043265.278
6104	7351227.710	5044449.534	6585530.457	5043267.757
6105	7351228.716	5044450.890	6585531.411	5043269.150
6106	7351237.595	5044449.289	6585540.342	5043267.882
6107	7351237.610	5044448.226	6585540.397	5043266.820
6108	7351237.695	5044446.930	6585540.530	5043265.529
6109	7351240.991	5044446.737	6585543.831	5043265.459
6110	7351241.940	5044447.496	6585544.751	5043266.253
6111	7351241.607	5044448.884	6585544.366	5043267.627
6112	7351240.872	5044447.931	6585543.667	5043266.647
6113	7351243.047	5044450.107	6585545.759	5043268.903
6114	7351244.983	5044452.486	6585547.604	5043271.352
6115	7351247.620	5044455.971	6585550.109	5043274.932
6116	7351251.591	5044460.258	6585553.916	5043279.364
6117	7351256.452	5044455.437	6585558.953	5043274.729
6118	7351255.135	5044452.437	6585557.749	5043271.682
6119	7351253.692	5044450.392	6585556.384	5043269.585
6120	7351251.838	5044447.894	6585554.625	5043267.020
6121	7351250.371	5044446.040	6585553.229	5043265.113
6122	7351248.377	5044443.055	6585551.348	5043262.056
6123	7351246.766	5044440.218	6585549.844	5043259.161
6124	7351252.544	5044436.274	6585555.764	5043255.437
6125	7351254.613	5044439.348	6585557.717	5043258.585
6126	7351256.626	5044442.093	6585559.625	5043261.403
6127	7351258.478	5044444.798	6585561.375	5043264.175
6128	7351260.143	5044447.341	6585562.943	5043266.778
6129	7351260.995	5044448.827	6585563.739	5043268.294
6130	7351263.426	5044451.656	6585566.062	5043271.211



6131	7351268.516	5044447.696	6585571.296	5043267.445
6132	7351267.545	5044445.622	6585570.403	5043265.337
6133	7351266.501	5044443.772	6585569.429	5043263.449
6134	7351263.655	5044440.570	6585566.705	5043260.144
6135	7351260.532	5044435.913	6585563.759	5043255.374
6136	7351257.536	5044432.587	6585560.890	5043251.939
6137	7351256.068	5044426.014	6585559.669	5043245.317
6138	7351257.966	5044422.016	6585561.714	5043241.394
6139	7351260.398	5044419.448	6585564.240	5043238.919
6140	7351262.216	5044421.676	6585565.973	5043241.213
6141	7351252.433	5044427.925	6585555.965	5043247.091
6142	7351264.369	5044418.930	6585568.227	5043238.550
6143	7351269.511	5044415.808	6585573.481	5043235.622
6144	7351272.694	5044411.751	6585576.813	5043231.688
6145	7351269.693	5044406.038	6585574.028	5043225.868
6146	7351270.899	5044406.425	6585575.218	5043226.299
6147	7351271.615	5044406.042	6585575.948	5043225.944
6148	7351272.068	5044405.780	6585576.410	5043225.699
6149	7351273.371	5044405.019	6585577.741	5043224.987
6150	7351273.932	5044404.855	6585578.307	5043224.844
6151	7351274.863	5044404.476	6585579.252	5043224.500
6152	7351279.862	5044412.586	6585583.943	5043232.790
6153	7351279.006	5044413.137	6585583.067	5043233.308
6154	7351278.692	5044413.507	6585582.740	5043233.666
6155	7351277.507	5044414.411	6585581.522	5043234.525
6156	7351276.948	5044414.738	6585580.951	5043234.831
6157	7351276.303	5044415.169	6585580.291	5043235.238
6158	7351275.311	5044416.439	6585579.252	5043236.469
6159	7351279.355	5044423.809	6585583.017	5043243.984
6160	7351280.852	5044422.758	6585584.552	5043242.990
6161	7351281.769	5044422.258	6585585.487	5043242.525
6162	7351282.207	5044421.986	6585585.935	5043242.269
6163	7351283.511	5044421.175	6585587.268	5043241.508
6164	7351284.149	5044420.848	6585587.918	5043241.205
6165	7351284.989	5044420.186	6585588.782	5043240.575
6166	7351285.769	5044419.307	6585589.594	5043239.726
6167	7351290.130	5044425.679	6585593.713	5043246.255
6168	7351289.097	5044426.905	6585592.635	5043247.441
6169	7351288.246	5044427.575	6585591.760	5043248.079
6170	7351287.672	5044427.854	6585591.176	5043248.336
6171	7351286.412	5044428.651	6585589.887	5043249.085
6172	7351285.826	5044429.063	6585589.286	5043249.475
6173	7351285.062	5044429.287	6585588.515	5043249.670
6174	7351283.725	5044430.565	6585587.131	5043250.897
6175	7351289.959	5044440.325	6585592.995	5043260.882
6176	7351291.386	5044439.557	6585594.450	5043260.168
6177	7351292.327	5044439.088	6585595.407	5043259.734
6178	7351292.729	5044438.799	6585595.820	5043259.460
6179	7351294.051	5044438.041	6585597.169	5043258.752
6180	7351294.641	5044437.798	6585597.767	5043258.532
6181	7351295.592	5044437.139	6585598.742	5043257.909
6182	7351296.512	5044436.380	6585599.690	5043257.185
6183	7351271.733	5044420.483	6585575.526	5043240.376
6184	7351274.599	5044426.293	6585578.173	5043246.288
6185	7351276.674	5044425.164	6585580.288	5043245.238
6186	7351264.096	5044435.260	6585567.344	5043254.855
6187	7351267.171	5044429.520	6585570.631	5043249.235
6188	7351267.801	5044425.571	6585571.408	5043245.313
6189	7351269.451	5044423.410	6585573.137	5043243.215
6190	7351266.899	5044423.134	6585570.598	5043242.844
6191	7351263.777	5044426.787	6585567.342	5043246.377
6192	7351268.146	5044437.665	6585571.301	5043257.409
6193	7351272.699	5044439.846	6585575.768	5043259.758
6194	7351272.886	5044444.889	6585575.767	5043264.804
6195	7351273.670	5044448.446	6585576.417	5043268.387
6196	7351278.511	5044449.130	6585581.228	5043269.251
6197	7351278.253	5044444.269	6585581.152	5043264.385
6198	7351277.580	5044435.370	6585580.812	5043255.469
6199	7351277.702	5044435.324	6585580.936	5043255.427



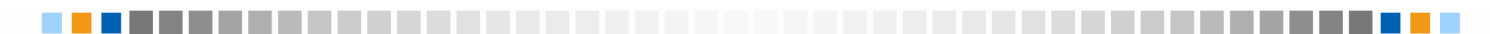
6200	7351274.741	5044437.744	6585577.887	5043257.734
6201	7351280.520	5044441.375	6585583.525	5043261.578
6202	7351274.873	5044441.870	6585577.865	5043261.862
6203	7351278.594	5044448.378	6585581.339	5043268.503
6204	7351286.225	5044451.317	6585588.854	5043271.724
6205	7351276.228	5044430.415	6585579.646	5043250.467
6206	7351275.764	5044430.739	6585579.171	5043250.774
6207	7351242.616	5044444.646	6585545.532	5043263.430
6208	7351243.411	5044441.960	6585546.427	5043260.776
6209	7351224.928	5044479.752	6585526.549	5043297.845
6210	7351206.326	5044475.610	6585508.118	5043293.012
6211	7351211.337	5044483.427	6585512.832	5043301.009
6212	7351212.038	5044478.534	6585513.715	5043296.146
6213	7351203.410	5044484.376	6585504.877	5043301.661

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## 4. ГРАФИЧКА ДОКУМЕНТАЦИЈА





#### 4.1. Катастарско- топографски план

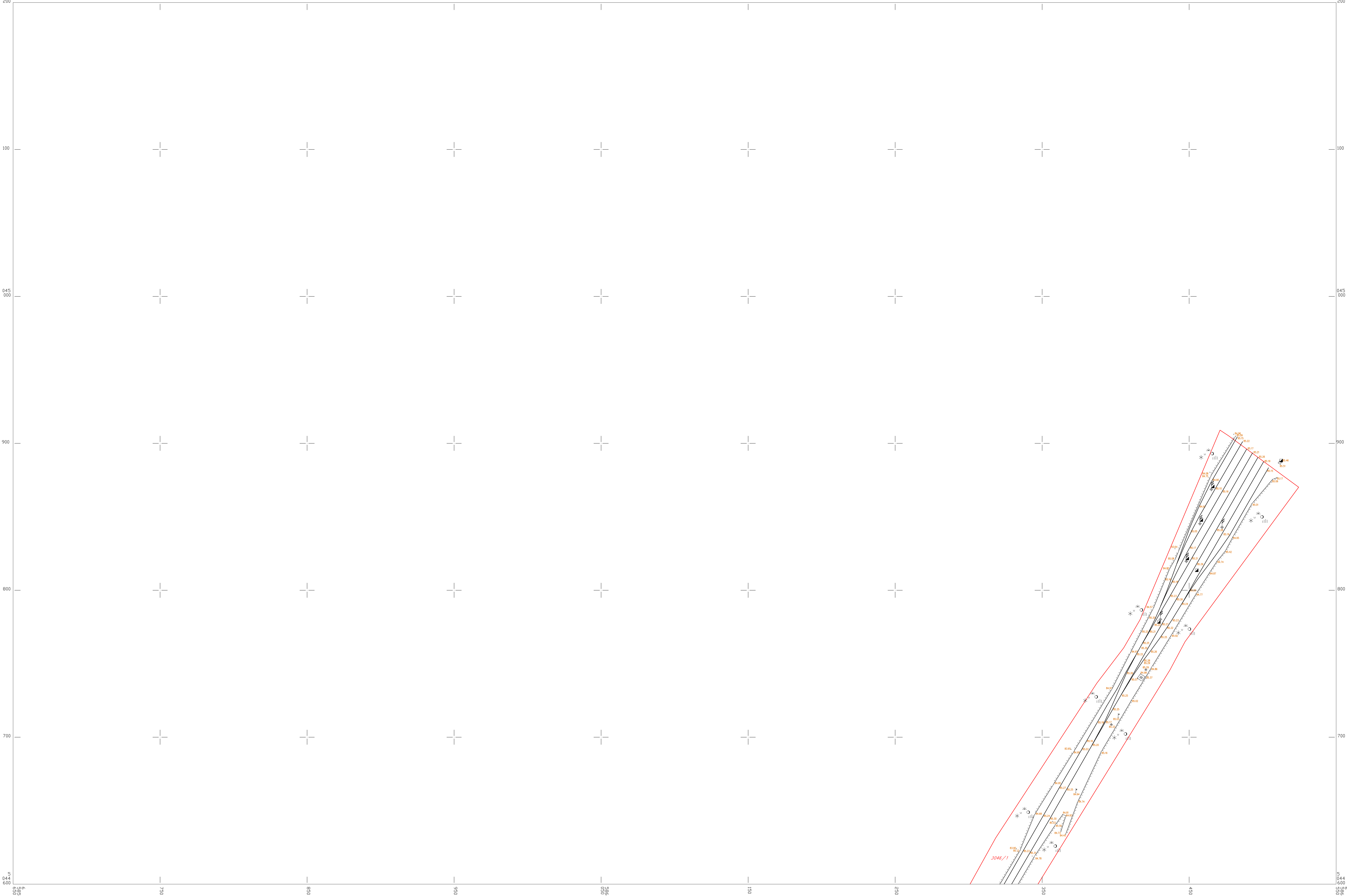


КАТАСТАРСКО ТОПОГРАФСКИ ПЛАН

Локација: Лука Богојево

лист 1

РЕПУБЛИКА СРБИЈА  
ОПШТИНА ОЦАЦИ



Оверава:  
Geokruj d.o.o.  
Септембар, 2020.год.

Одговорни извођач геодетских радова:

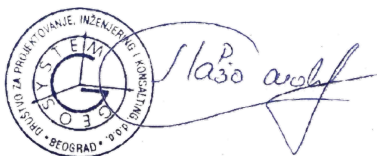
Оверава:

КАТАСТАРСКЕ ОПШТИНЕ И ВЕЗА ЛИСТОВА  
ОПШТИНА ОЦАЦИ  
К.О. БОГОЈЕВО

РАЗМЕРА 1:1000

— фактичко стање  
— катастарско стање

Катастарско топографски план израдио:  
GEOSYSTEM d.o.o.



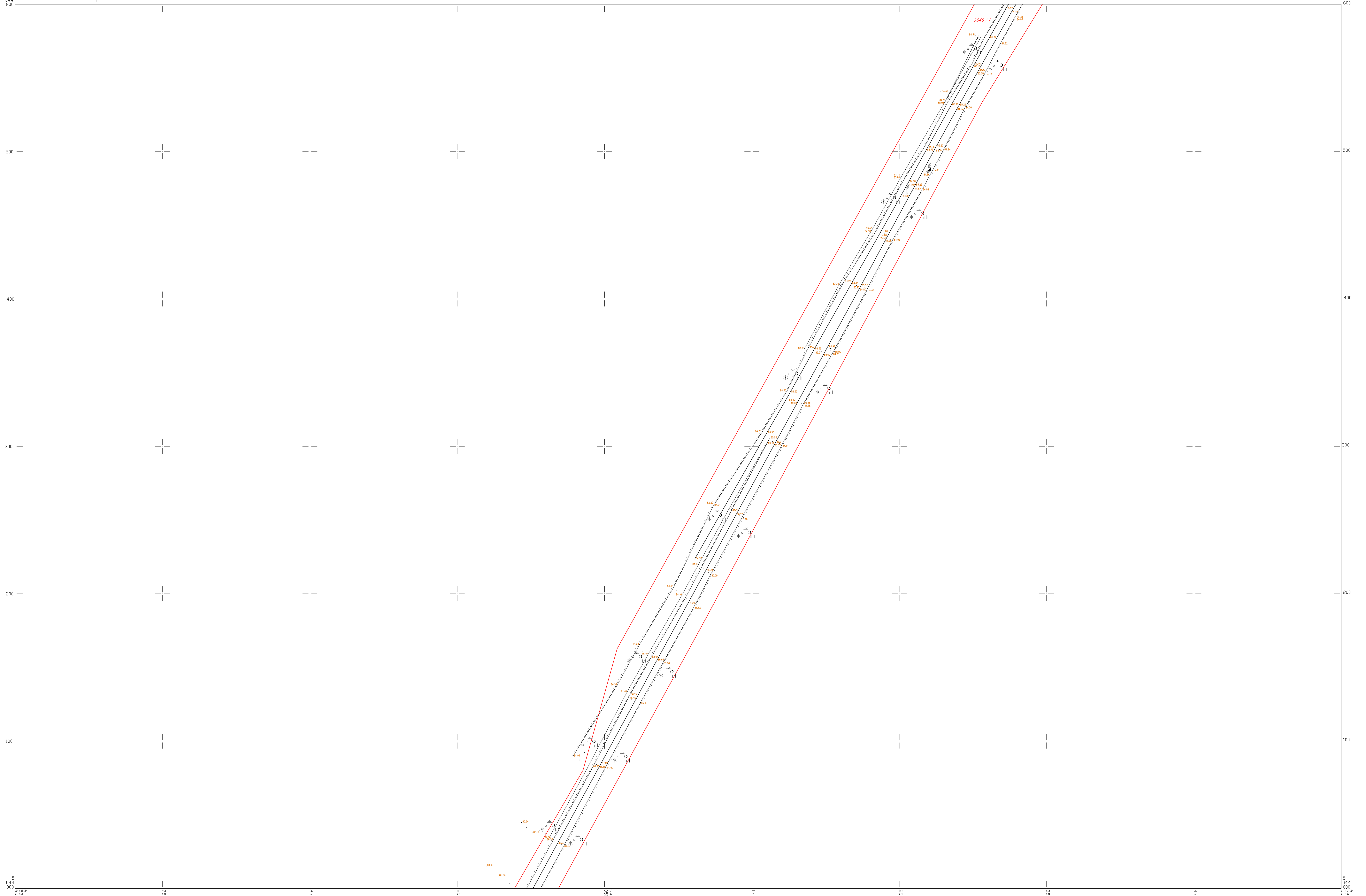


# КАТАСТАРСКО ТОПОГРАФСКИ ПЛАН

Локација: Лука Богојево

ЛИСТ 2

РЕПУБЛИКА СРБИЈА  
ОПШТИНА ОЦАЦИ



Оверава:  
Geokruji d.o.o.  
Септембар, 2020.год.

Одговорни извођач геодетских радова:

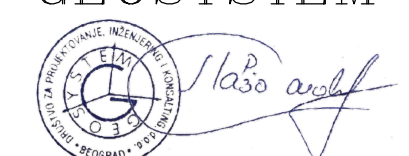
Оверава:

КАТАСТАРСКЕ ОПШТИНЕ И ВЕЗА ЛИСТОВА  
ОПШТИНА ОЦАЦИ  
К.О. БОГОЈЕВО

РАЗМЕРА 1:1000

— фактичко стање  
— катастарско стање

Катастарско топографски план израдио:  
GEOSYSTEM d.o.o.



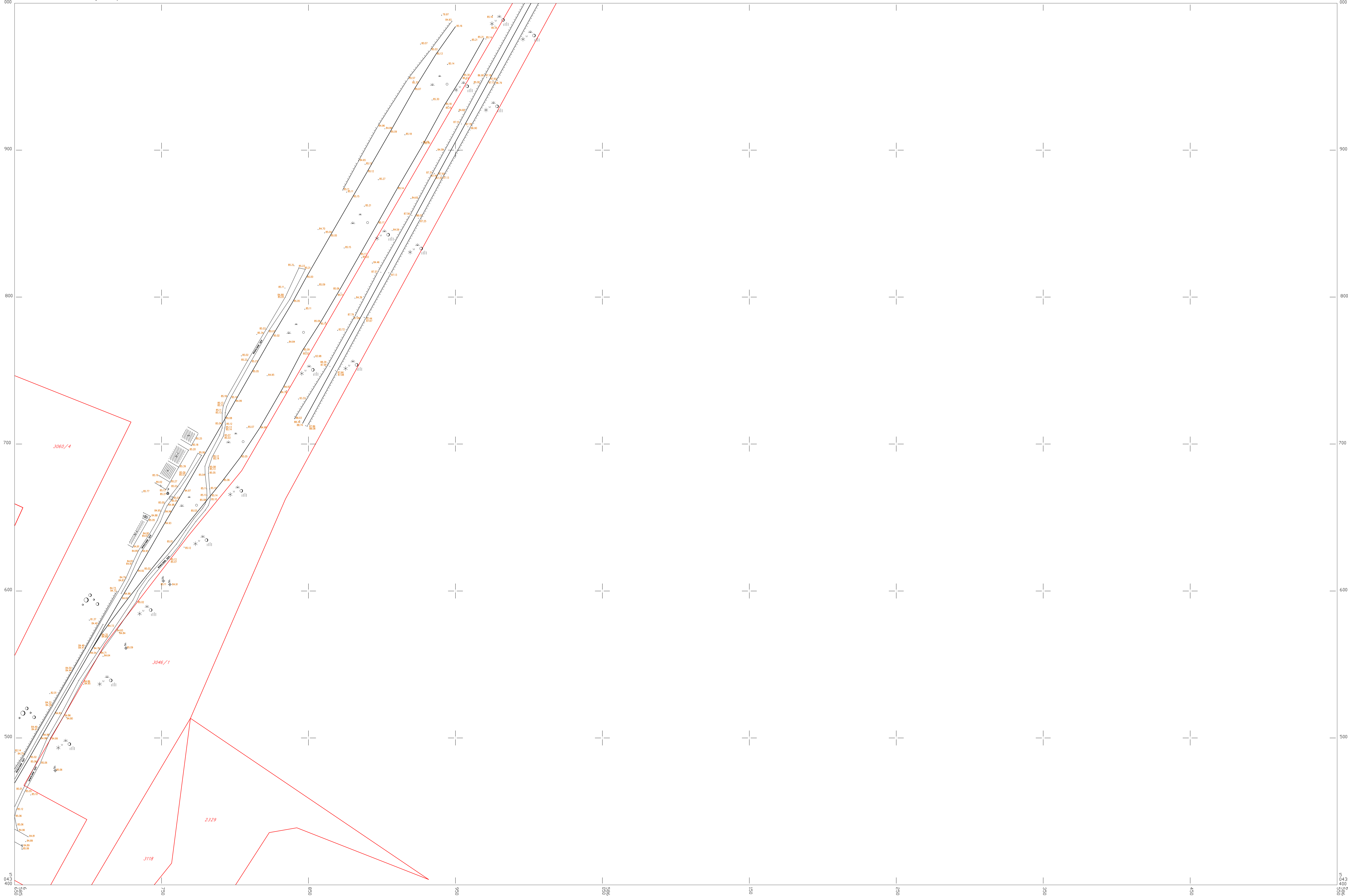


# КАТАСТАРСКО ТОПОГРАФСКИ ПЛАН

Локација: Лука Богојево

лист 3

РЕПУБЛИКА СРБИЈА  
ОПШТИНА ОЦАЦИ



Оверава:  
Geokruji d.o.o.  
Септембар, 2020. год.

Одговорни извођач геодетских радова:  
Оверава:

КАТАСТАРСКЕ ОПШТИНЕ И ВЕЗА ЛИСТОВА  
ОПШТИНА ОЦАЦИ  
К.О. БОГОЈЕВО

РАЗМЕРА 1:1000  
— фактичко стање  
— катастарско стање

Катастарско топографски план израдио:  
GEOSYSTEM d.o.o.

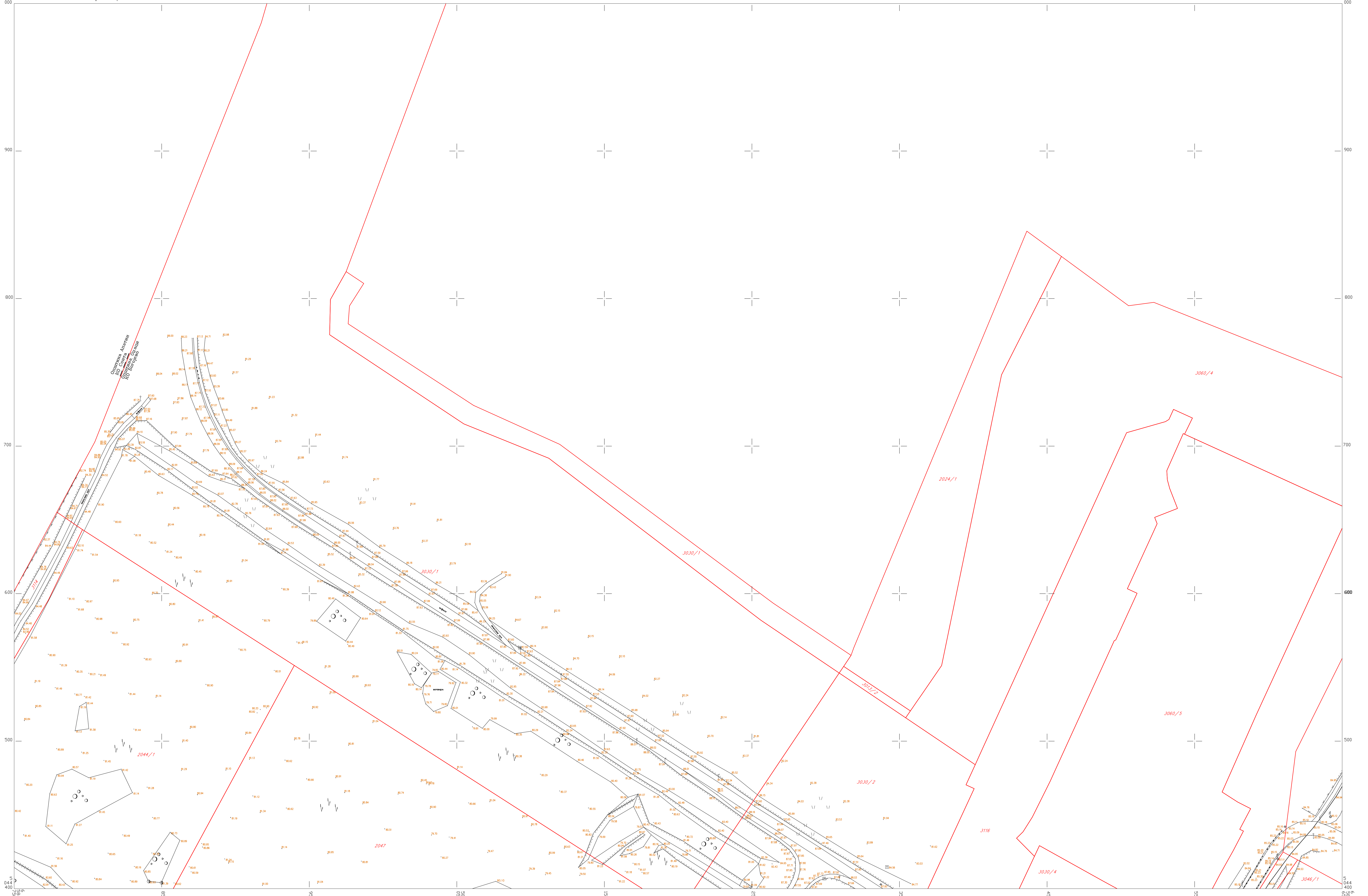


# КАТАСТАРСКО ТОПОГРАФСКИ ПЛАН

Локација: Лука Богојево

ЛИСТ 4

РЕПУБЛИКА СРБИЈА  
ОПШТИНА ОЏАЦИ



Оверава:  
Geokruj d.o.o.  
Септембар, 2020 год.

Одговорни извођач геодетских радова:

Оверава:

КАТАСТАРСКЕ ОПШТИНЕ И ВЕЗА ЛИСТОВА  
ОПШТИНА ОЏАЦИ  
К.О. БОГОЈЕВО

РАЗМЕРА 1:1000

— фактичко стање  
— катастарско стање

Катастарско топографски план изразио:  
GEOSYSTEM d.o.o.





КАТАСТАРСКО ТОПОГРАФСКИ ПЛАН

Локација: Лука Богојево

лист 5

РЕПУБЛИКА СРБИЈА  
ОПШТИНА ОЦАЦИ



Оверава:  
Geokruclj d.o.o.  
Септембар, 2020.год.

Одговорни извођач геодетских радова:  
Оверава:

КАТАСТАРСКЕ ОПШТИНЕ И ВЕЗА ЛИСТОВА  
ОПШТИНА ОЦАЦИ  
К.О. БОГОЈЕВО

РАЗМЕРА 1:1000  
— фактичко стање  
— катастарско стање

Катастарско топографски план израдио:  
GEOSYSTEM d.o.o.

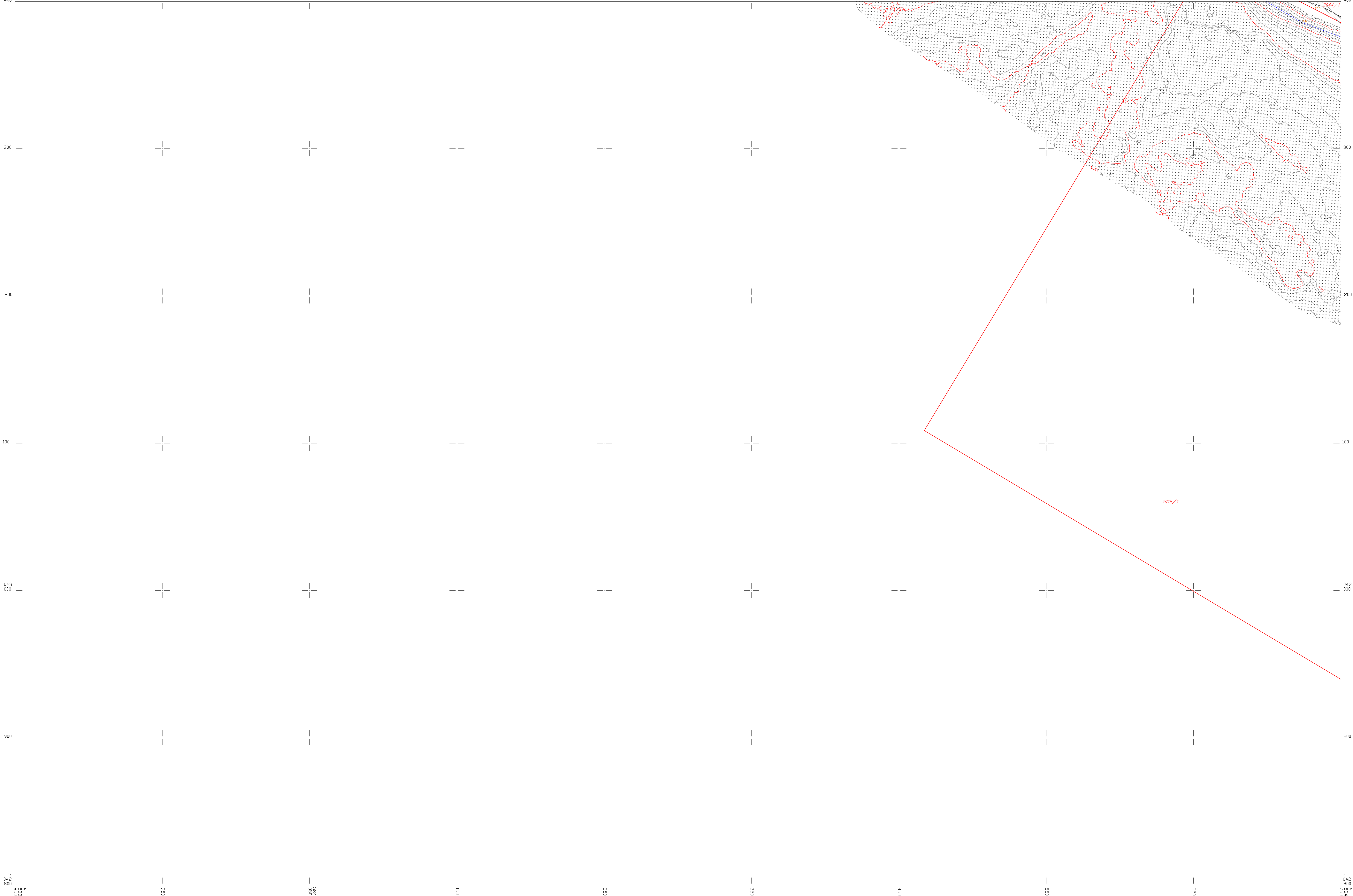


КАТАСТАРСКО ТОПОГРАФСКИ ПЛАН

Локација: Лука Богојево

лист 6

РЕПУБЛИКА СРБИЈА  
ОПШТИНА ОЦАЦИ



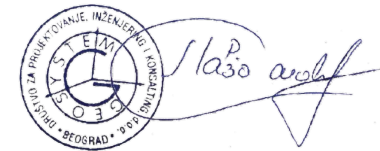
Оверава:  
Geokrit d.o.o.  
Септембар 2020.год.

Одговорни извођач геодетских радова:  
Оверава:

КАТАСТАРСКЕ ОПШТИНЕ И ВЕЗА ЛИСТОВА  
ОПШТИНА ОЦАЦИ  
К.О. БОГОЈЕВО

РАЗМЕРА 1:1000  
— фактичко стање  
— катастарско стање

Катастарско топографски план израдио:  
GEOSYSTEM d.o.o.





Локација: Лука Богојево

ЛИСТ 7







## 5. ПРИЛОЗИ





## 5.1. Уверење о исправности мерила



## UVERENJE O ETALONIRANJU

Udruženje UNIVERZALA

Delovodni broj: 180246/6

Datum: 12.12.2018.

Delovodni broj 180246/6

Ukupan broj strana: 1

Naziv merila	GNSS prijemnik geodetske tačnosti
Vlasnik/korisnik merila	Geosystem d.o.o., Zahumska 26, 11000 Beograd, Srbija
Datum etaloniranja	12.12.2018.
Proizvođač i tip merila	LEICA ATX1230+ GNSS
Serijski broj/ Identifikacioni broj	194028 / -
Metrološke karakteristike	<ul style="list-style-type: none"><li>- granica greške: horizontalna, RTK: (5+0,5D[km]) mm</li><li>- granica greške: horizontalna, statika: (3+0,5D[km]) mm</li><li>- granica greške: vertikalna, RTK: (6+0,5D[km]) mm</li><li>- granica greške: vertikalna, RTK: (10+0,5D[km]) mm</li></ul>
Metrološka sledivost	<ul style="list-style-type: none"><li>- Međunarodni etalon vremena (BIPM) preko NIST, SAD</li><li>- Međunarodni etalon frekvencije (BIPM) preko NIST, SAD</li></ul>
Rezultati etaloniranja	- /:
Merna nesigurnost	<ul style="list-style-type: none"><li>- proširena merna nesigurnost položaja tačke u RTK režimu (faktor proširenja k=2): 11,9 mm</li><li>- proširena merna nesigurnost visine tačke u RTK režimu (faktor proširenja k=2): 14,6 mm</li></ul>
Metode etaloniranja	<ul style="list-style-type: none"><li>- UNAVCO(2001): UNAVCO Academic Research Infrastructure (ARI) Receiver and Antenna Test Report.</li><li>- LKM.RU.GN (Radno uputstvo: "Etaloniranje sistema za globalno pozicioniranje")</li></ul>

TEHNIČKI RUKOVODILAC  
Laboratorije za  
koordinatnu metrologiju

Siniša Delčev



PREDSEDNIK  
Udruženja UNIVERZALA

Vukan Ogrizović

Kraj uverenja o etaloniranju





## UVERENJE O ETALONIRANJU

Datum: 19/01/2021

Broj uverenja: 014/21/01

Ukupan broj strana: 2

Naziv: Totalna Stanica

Proizvođač: Leica Geosystems

Tip: TCR1201 R300

Identifikacioni broj: 212507

Datum etaloniranja: 19/01/2021

Korisnik merila: GEOSYSTEM D.O.O.  
BEOGRAD, Zaplanska 84d

Merenje izvršio:

Đejan Lalović, MSc inž.geod.  
Tehnički saradnik



Ovlašćeno lice

Ankica Milinković, dipl.inž.geod.  
Rukovodilac laboratorije

Uverenje o etaloniranju se odnosi samo na merilo koje je u ovom dokumentu identifikovano. Aktivnosti ocene usaglašenosti izvedene na lokaciji navedenoj ispod:

**VEKOM GEO d.o.o.** Preduzeće za proizvodnju i pružanje usluga export - import  
Todora Dukina 61, 11000 Beograd, Srbija **T/F:** +381 (0) 11 2850655 **M:** +381 (0) 63 638787  
www.vekom.com e-mail: office@vekom.com  
Laboratorija za etaloniranje merila u geodeziji, građevini i srodnim oblastima kao i merila zapremine



Datum: 19/01/2021

Broj uverenja: 014/21/01

Ukupan broj strana: 2

Opis uzorka koji se etalonira:

Sistem za merenje dužine i ugla je multifunkcijski uređaj koji meri rastojanje (dužinu) pomoću ugrađenog daljinomera i ugao pomoću ugrađenog teodolita.

Metoda etaloniranja:

Za prikupljanje i obradu podataka etaloniranja Totalnih Stanica primenjuje se laboratorijska metoda zasnovana na modifikaciji standardnih metoda SRPS ISO 17123-3:2014 i SRPS ISO 17123-4:2014.

Rezultat etaloniranja:

Dužina:  
 adiciona konstanta:  $A = -0,00026 \text{ m}$   
 multiplikaciona konstanta:  $M = 3,2E-07$   
 Ugao:  
 $i = 2,41''$  (ugao između obrtne osovine durbina i alhidadne osovine)  
 $c = -0,19''$  (ugao između obrtne osovine durbina i vizure)

Merna nesigurnost:

Dužina:  
 $U = (1,0 + 1,5 \cdot 10^{-6}) \cdot L \text{ mm}$ , ( $L$  u mm)  
 Ugao:  
 u horizontalnoj ravni:  $u = 0,74''$   $U = 1,49''$   
 u vertikalnoj ravni:  $u = 0,99''$   $U = 1,98''$

Prikazana proširena nesigurnost merenja „U“, dobijena je množenjem standardne nesigurnosti merenja „u“ faktorom obuhvata  $k=2$ , ( $U=2u$ ),

Metrološka sledivost:

Do nacionalnog etalona jedinice ugla - METAS Švajcarska, broj sertifikata laboratorije 02-033, broj sertifikata etalona 63156/99-18 od 18.06.2018;  
 Do nacionalnog etalona jedinice dužine - METAS Švajcarska, broj sertifikata laboratorije SCS079, broj sertifikata etalona 209040-11032020 od 11.03.2020. godine; Do nacionalnog etalona jedinice frekvencije - DMDM Srbija, broj sertifikata laboratorije 02-009, broj sertifikata etalona 2-312/17 od 27.12.2017 godine;

*Kraj uverenja o etaloniranju.*



## UVERENJE O ETALONIRANJU

Udruženje UNIVERZALA

Delovodni broj: 170100/3

Datum: 1.12.2017

Delovodni broj 170100/3

Ukupan broj strana: 1

Naziv merila	totalna stanica
Vlasnik/korisnik merila	Geosystem d.o.o., Zahumska 26, 11000 Beograd, Srbija
Datum etaloniranja	01.12.2017.
Proizvođač i tip merila	LEICA TCRP1203 R300
Serijski broj/ Identifikacioni broj	227609 / -
Metrološke karakteristike	<ul style="list-style-type: none"><li>- granica greške - dužine: <math>(2+2 \cdot D[\text{km}])</math> mm</li><li>- granica greške - uglovi: 3 "</li><li>- merni opseg - dužine: (1,5 - 3 000) m</li><li>- merni opseg - uglovi: (0 - 360) °</li></ul>
Metrološka sledivost	<ul style="list-style-type: none"><li>- frekvencijski stabilisani helijum-neonski (He-Ne) laser preko DMDM (nacionalni etalon dužine)</li><li>- METAS - Švajcarska (nacionalni etalon ugla) preko akreditovane laboratorije ATS 02-025</li></ul>
Rezultati etaloniranja	<ul style="list-style-type: none"><li>- kolimacija "c": <math>(3,04 \pm 0,23)</math> "</li><li>- nagnutost obrtne ose durbina - ugao "i": <math>(-7,2 \pm 1,46)</math> "</li><li>- adiciona konstanta "a": <math>(-1,8 \pm 0,13)</math> mm</li><li>- multiplikaciona konstanta "q": 0 mm/km</li></ul>
Merna nesigurnost	<ul style="list-style-type: none"><li>- proširena merna nesigurnost merenja horizontalnih uglova (faktor proširenja <math>k=2</math>): 2,49 "</li><li>- proširena merna nesigurnost merenja vertikalnih uglova (faktor proširenja <math>k=2</math>): 2,61 "</li><li>- proširena merna nesigurnost merenja dužina (faktor proširenja <math>k=2</math>): <math>(0,45 + 0,95 \cdot D[\text{km}])</math> mm</li></ul>
Metode etaloniranja	<ul style="list-style-type: none"><li>- SRPS ISO 17123-3:2014 (en)</li><li>- SRPS ISO 17123-4:2014 (en)</li><li>- LKM.RU.TS (Radno uputstvo: "Etaloniranje totalnih stanica")</li></ul>

TEHNIČKI RUKOVODILAC

Laboratorije za  
koordinatnu metrologiju

Siniša Delčev

PRESEDNIK  
Udruženja UNIVERZALA

Vukan Ogrizović

Kraj uverenja o etaloniranju

LKM.OZ.UE

strana 1 od 1





Zaplanjska 84B  
11000 Beograd  
Tel +381 11 3861 006  
Fax + 381 11 3861 291

office@geosystem-doo.

www.geosystem-doo.com

"GEOSYSTEM" D.O.O. Društvo za projektovanje, inženjering i konsalting, Beograd

ГЕОДЕТСКИ ЕЛАБОРАТ – ЕЛАБОРАТ УСПОСТАВЉАЊА ОПЕРАТИВНОГ ПОЛИГОНА



## 5.2. Технички извештај хидрографског мерења луке Богојево - „iC consulenten“ д.о.о. Београд



# Tehnički izveštaj

Hidrografsko merenje akvatorije luke Bogojevo

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Klijent

**Ehting d.o.o. Beograd**

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Naziv dokumenta

**Tehnički izveštaj hidrografskog merenja  
akvatorije luke Bogojevo**

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Datum

13.08.2021

Revizija: Final



iC consulenten d.o.o.

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## DETALJI DOKUMENTA

EVIDENCIONI BROJ: 210813001

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KLIJENT: Ehting d.o.o. Beograd  
Vele Nigrinove 16, 11118 Beograd, Srbija

DATUM: 13.08.2021

AUTOR: mr Tihomir Stošić

Datum	Broj revizije	Autor	Proverio	Odobrio	consulente	Potpis
13.08.2021.	Final	mr Tihomir Stošić			a member of iC group	
					Društvo sa ograničenom odgovornošću	
					Kneza Miloša 19/3	
					Beograd	
					tel. +381 11 303 92 38	



## Sadržaj

<b>1.</b>	<b>Uvod .....</b>	<b>3</b>
<b>2.</b>	<b>Oprema .....</b>	<b>3</b>
<b>3.</b>	<b>Plovilo .....</b>	<b>4</b>
<b>4.</b>	<b>Metodologija .....</b>	<b>5</b>
<b>5.</b>	<b>Tim .....</b>	<b>6</b>
<b>6.</b>	<b>Aneks .....</b>	<b>7</b>
6.1.	Kompanijski sertifikati .....	7
6.2.	Lični sertifikati .....	17
6.3.	Oprema.....	19

## Slike

Slika 1. Zona hidrografskog merenja .....	3
Slika 2 Konfiguracija sistema za hidrografsko merenje .....	4
Slika 3. Aluminijumski čamac za hidrografsko merenje .....	5
Slika 5. Kreirani model terena luke Bogojevo .....	6



## 1. UVOD

iC consulenten d.o.o Beograd je izvršio hidrografsko merenje u skladu sa zahtevom za hidrografsko merenje akvatorije luke Bogojevo.

Ovim elaboratom su obuhvaćeni radovi iz Zahteva.

Merenja su izvršena širokopojasnim ultrazvučnim dubinomerom.



**Slika 1. Zona hidrografskog merenja**

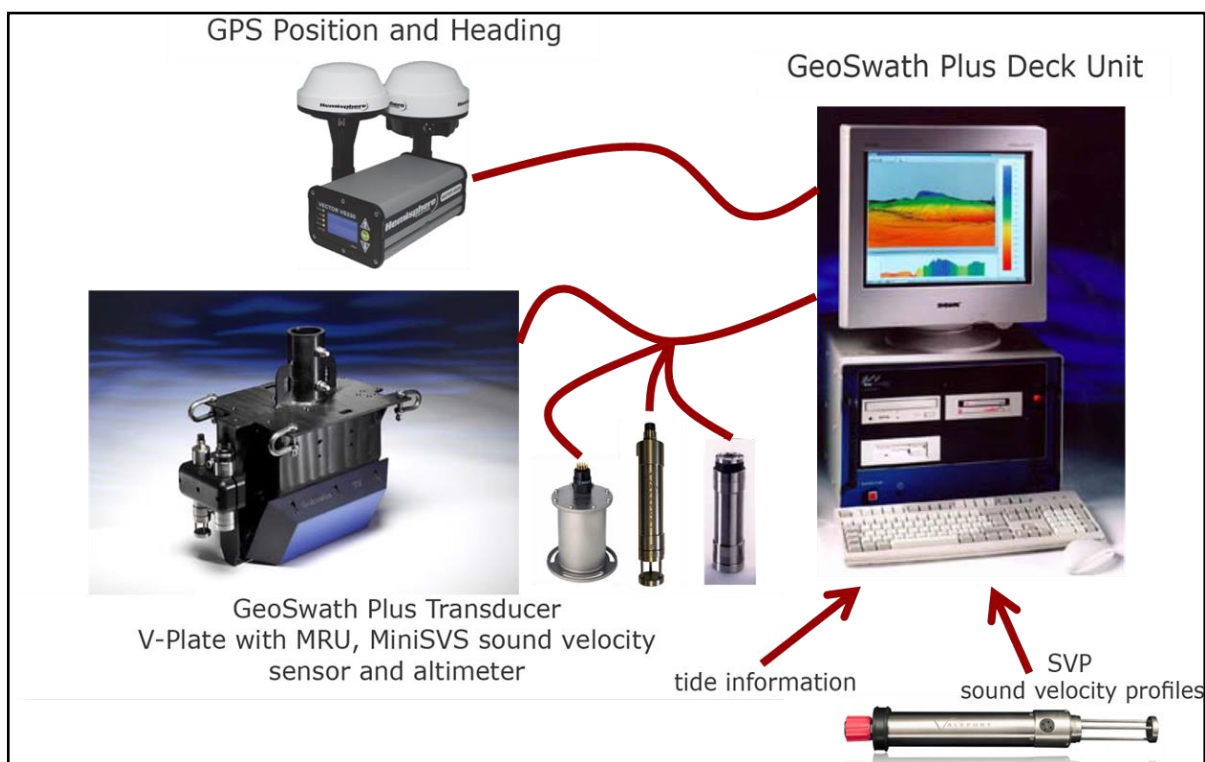
## 2. OPREMA

Korišćena je oprema za wide swath hidrografsko merenje u plitkim i dubokim vodama renomiranog proizvođača Kongsberg Geoacoustics. Model GeoSwath 250 spada u najnoviju generaciju ove vrste opreme. Velika pokrivenost traka od 12x dubina i širok ugao merenja sonde od 240° čine ga idealnim uređajem za hidrografsko merenje u plitkim i srednje dubokim vodama (do dubine od 100m).

Sistem GeoSwath 250 čine 2 sonde od 250kHz montirane na kućište V oblika zajedno sa senzorima za precizno merenje pokreta broda ( $0.03^\circ$  RMS) i brzine zvuka ( $\pm 0.017$  m/s) u realnom vremenu. Dubine se dobijaju merenjem ugla odbijenog signala od dna na osnovu



fazne razlike i udaljenosti na osnovu merenja vremena od emitovanja do prijema signala. Rezolucija merenja ugla je  $0.04^\circ$ . Navigacija i pozicioniranje se vrši pomoću dvofrekventnih GNSS prijemnika proizvođača Hemisphere. Prijemnici poseduju mogućnost prijema i obrade GPS i GLONASS signala, a takođe podržavaju sve standardne formate za korekcije RTCM v2.3(DGPS), RTCM v3(RTK) i CMR. Na plovilu je instaliran model Vector VS330 GNSS Compass koji osim pozicije daje i podatak o kursu. Horizontalna preciznost ovog prijemnika u RTK modu je 20mm a preciznost kursa na međusobnom rastojanju antena od 1.4m je manja od  $0.09^\circ$ . Prijem RTK korekcije GPS signala je vršen pomoću AGROS mreže korišćenjem GPRS modema GenPro 22e.



**Slika 2 Konfiguracija sistema za hidrografsko merenje**

### 3. PLOVILO

Oprema za hidrografsko merenje je montirana na malom aluminijumskom čamacu bez kabine. Čamac je dužine 4m i širine 1.8m a pokreće ga motor snage 20KS. Mala težina čamca, plitak gaz i mala uronjenost sonde za merenje omogućuju snimanje u plitkim i teško pristupačnim delovima vodotoka.

Čamac omogućava komforno radno okruženje za tim koji vrši hidrografsko merenje. Visoka krstareća brzina omogućava dovoljnu fleksibilnost u smislu dolaska na lokaciju na kojoj se vrši hidrografsko merenje, a manevarske sposobnosti omogućavaju lako upravljanje i vršenje hidrografskog merenja prema unapred definisanoj mreži trajektorija.





**Slika 3. Aluminijumski čamac za hidrografsko merenje**

#### **4. METODOLOGIJA**

Na osnovu obaveze iz Ugovora izrađen je plan hidrografsko merenje na predmetnoj lokaciji. S obzirom da je merenje vršeno širokopojasnim ultrazvučnim dubinomerom projektovane su linije paralelne obali i rečnoj struji po kojima se plovilo kretalo i vršilo merenje. Projektovane linije su bile na rastojanju od 30m do 40m, u zavisnosti od dubine. Ovakvim načinom merenja izvršena je potpuna pokrivenost rečnog korita. Uz samu obalu se iskoristila prednost uređaja korišćenjem maksimalne širine snopa i izmeren je deo rečnog korita do ureza vode na obali. U ostalim delovima rečnog korita koristila se pokrivenost 6 ili 8 puta u odnosu na vertikalnu dubinu čime se zadovoljio standard S-44 za hidrografski premer Međunarodne hidrografske organizacije IHO.

U zoni merenja je izmerena brzina zvuka vodenog stuba pomoću SVP sonde kako bi se izvršila dodatna korekcija izmerenih dubina. Srednja vrednost brzine zvuka iznosila je 1487.7 m/s.

Navigacija i pozicioniranje je vršeno dvofrekventnim GNSS prijemnikom Hemisphere VS 330 primenom RTK metode. Korekcija je primana putem AGROS mreže.

Sva merenja na terenu su izvršena 12. avgusta 2021 godine.

Sva merenja su referencirana na ETRS89 projekcija je UTM zona 34. Visine su svedene na NVT2.



Planiranje hidrografskog merenja, kalibracija, prikupljanje i obrada podataka je izvršena u specijalizovanom programu za rad sa multibim podacima Kongsberg GeoAcoustics GS4. Na osnovu obrađenih podataka napravljen je model terena rezolucije 0.5m i izvezen u ASCII xyz format.



Slika 4. Kreirani model terena luke Bogojevo

## 5. TIM

Hidrografsko merenje multibim opremom izvršio je sledeći tim:

1. mr Tihomir Stošić, hidrograf kategorije B, IHO CATB
2. Goran Katratović, skiper




Izveštaj sastavio:

mr Tihomir Stošić





6. **ANEKS**6.1. **KOMPANIJSKI CERTIFIKATI**

	 8000049780002	<b>ИЗВОД О РЕГИСТРАЦИЈИ ПРИВРЕДНОГ СУБЈЕКТА</b>	 Република Србија Агенција за привредне регистре
<b>ОСНОВНИ ИДЕНТИФИКАЦИОНИ ПОДАТАК</b>			
Матични / Регистарски број		20568224	
<b>СТАТУС</b>			
Статус привредног субјекта		Активно привредно друштво	
<b>ПРАВНА ФОРМА</b>			
Правна форма		Друштво са ограниченом одговорношћу	
<b>ПОСЛОВНО ИМЕ</b>			
Пословно име		IC CONSULENTEN DRUŠTVO SA OGRANIČENOM ODGOVORNOŠĆU BEOGRAD (VRAČAR)	
Скраћено пословно име		IC CONSULENTEN DOO BEOGRAD	
<b>ПОДАЦИ О АДРЕСАМА</b>			
<b>Адреса седишта</b>			
Општина	Београд-Врачар		
Место	Београд-Врачар		
Улица	Кнеза Милоша		
Број и слово	19		
Спрат, број стана и слово	III / /		
<b>ПОСЛОВНИ ПОДАЦИ</b>			
<b>Подаци оснивања</b>			
Датум оснивања	7. септембар 2009		
Време трајања	Неограничено		
Време трајања привредног субјекта	Неограничено		
<b>Претежна делатност</b>			
Шифра делатности	7112		
Назив делатности	Инжењерске делатности и техничко саветовање		
<b>Остали идентификациони подаци</b>			
Порески Идентификациони Број (ПИБ)	106273678		
РЗЗО Број	4000145500		

Дана 16.11.2017. године у 10:25:29 часова

Страна 1 од 3



<b>Подаци од значаја за правни промет</b> <b>Текући рачуни</b>	
265-1040310001650-55 265-1000000099353-73	
<b>Подаци о статусу / оснивачком акту</b> Не постоји обавеза овере измена оснивачког акта	
Датум важећег статута	
Датум важећег оснивачког акта	12. октобар 2016

<b>Законски (статутарни) заступници</b>			
<b>Физичка лица</b>			
1.	Име	Peter	Презиме
	Број пасоша	P 7357163	Држава издавања
	Функција	Директор	
	Ограничење супотписом	не постоји ограничење супотписом	
2.	Име	Muhamed	Презиме
	ЈМБГ	2411982820038	
	Функција	Директор	
	Ограничење супотписом	не постоји ограничење супотписом	

<b>Чланови / Сувласници</b>	
<b>Подаци о члану</b>	
Пословно име	IC CONSULENTEN ZIVILTECHNIKER GESMBH
Регистарски / Матични број	FN 137252
Држава	Аустрија
<b>Подаци о капиталу</b>	
<b>Новчани</b>	
износ	датум
Уписан: 466.973,00 RSD	
износ	датум
Уплаћен: 466.973,00 RSD	3. септембар

Дана 16.11.2017. године у 10:25:29 часова

Страна 2 од 3



		2009
износ(%)		
Сувласништво удела од	100,00000	

<b>Основни капитал друштва</b>	
<b>Новчани</b>	
износ	датум
Уписан: 466.973,00 RSD	
износ	датум
Уплаћен: 466.973,00 RSD	3. септембар 2009

Регистратор, Миладин Маглов



Дана 16.11.2017. године у 10:25:29 часова

Страна 3 од 3





**Република Србија  
ПОТПРЕДСЕДНИЦА ВЛАДЕ  
МИНИСТАРКА ГРАЂЕВИНАРСТВА,  
САОБРАЋАЈА И ИНФРАСТРУКТУРЕ**

Број: 342-01-01024/2020-06  
Београд, 22.9.2020. године

Министарка грађевинарства, саобраћаја и инфраструктуре, Београд, ул. Немањина 22-26, поступајући по захтеву привредног друштва iC consulenten d.o.o. из Београда, ул. Кнеза Милоша 19/III од 5.8.2020. године, за издавање решења о испуњености услова за вршење хидрографског премера на унутрашњим водним путевима и снимање објеката у речном кориту, на основу члана 6. став 3. Закона о хидрографској делатности („Службени гласник РС”, број 9/20), члана 6. став 2. Закона о министарствима („Службени гласник РС”, бр. 44/14, 14/15, 54/15 96/15 - др. закон и 62/17), члана 136. став 1. Закона о општем управном поступку („Службени гласник РС”, бр. 18/16 и 95/18 - аутентично тумачење) и члана 2. ст. 1. и 2. Правилника о условима које морају да испуњавају правна лица која врше хидрографски премер на унутрашњим водним путевима, као и снимање објеката у речном кориту („Службени гласник РС”, број 85/20) у предмету издавања одобрења за вршење хидрографског премера и снимање објеката у речном кориту, доноси

**РЕШЕЊЕ**

Одобрава се привредном друштву iC consulenten d.o.o. из Београда, ул. Кнеза Милоша 19/III, вршење послова хидрографског премера на унутрашњим водним путевима и снимање објеката у речном кориту за потребе Дирекције за водне путеве, као и за потребе других правних и физичких лица.

Послови хидрографског премера на унутрашњим водним путевима и снимање објеката у речном кориту из става 1. диспозитива овог решења не обухватају геолошка испитивања састава речног дна.

Привредно друштво из става 1. диспозитива овог решења дужно је да писмено обавести министарство о свакој промени у погледу испуњености услова за издавање одобрења за вршење послова хидрографског премера на унутрашњим водним путевима и снимање објеката у речном кориту, у року од осам дана од дана настанка промене.

**Образложење**

Министарству грађевинарства, саобраћаја и инфраструктуре обратило се привредно друштво iC consulenten d.o.o. из Београда, ул. Кнеза Милоша 19/III са захтевом од 5.8.2020. године, за издавање решења о испуњености услова за вршење



хидрографског премера на унутрашњим водним путевима и снимање објеката у речном кориту.

Подносилац захтева је уз захтев у погледу техничке опреме и одговарајућих уређаја за хидрографски премер и дубине приложио доказе да располаже са следећом опремом: широкопојасним интерферометријским ултразвучним дубиномером, уређајем за мерење љуљања (roll) посртања (pitch) минималне тачности  $0,05^\circ$  и понирања (heave) пловила минималне тачности 10 cm, уређај за мерење брзине простирања звука кроз воду у тренутку мерења дубине минималне тачности 0,05 m/s (Sound Velocity Sensor) који омогућава корекцију истих у складу са вредностима брзине простирања звука у површинском делу воденог стуба, уређај за мерење брзине простирања звука кроз воду у читавом воденом стубу минималне тачности 0,05 m/s (Sound Velocity Sensor) који омогућава корекцију измерених дубина на основу стварних вредности брзине простирања звука. У погледу техничке опреме за одређивање позиција уз захтев је доставио доказе да располаже са двофреквентним ГНСС (Глобални навигациони сателитски систем) пријемником са могућношћу рада у режиму корекције позиције у реалном времену (РТК режим), уређајем за прецизно одређивања курса пловила минималне тачности  $0,2^\circ$ , који се налази на пловилу, двофреквентним РТК ГНСС пријемником којим може да ради у режиму ГНСС базне станице која израчунава грешку измерену у односу на стварну позицију која служи за корекцију измерене позиције ГНСС пријемником на броду (GNSS rover), ВХФ уређајем за комуникацију РТК ГНСС пријемником који се налази на пловилу и РТК ГНСС пријемником који ради у режиму базне станице, ГПРС/ГСМ модемом који омогућава РТК режим рада ГНСС пријемника на пловилу коришћењем АГРОС (Активна Геодетска Референтна Основа Србије) мреже ГНСС перманентних станица у Републици Србији установљене од стране Републичког геодетског завода, хидро-навигационим софтвером неопходним за процес извођења хидрографског премера у свим његовим фазама које обухватају припрему, прикупљање, обраду и приказ биометријских података, моторно пвило регистровано за привредну делатност, опремљено прописаном техничком опремом и мерним уређајима (важећа пловидбена дозвола издата од надлежне лучке капетаније). У погледу услова који се односе на кадровске капацитете уз захтев је поднео доказе да има запослене и то: једно лице са високом стручном спремом и завршеним специјалистичким студијама из научне области грађевинско инжењерство, смер хидротехника (диплома), једно лице са лиценцом одговорног пројектанта геодетских пројеката (лиценца одговорног пројектанта геодетских пројеката), једно лице за лиценцом одговорног извођача геодетских радова (лиценца одговорног извођача геодетских радова) и два лица са лиценцом за обављање хидрографских послова које издаје МХО или институција коју признаје МХО (лиценца за обављање хидрографских послова), као и МА обрасце, уговоре о раду и изводе из централног регистра социјалног осигурања.

Поступајући по поднетом захтеву Комисија за утврђивање испуњености услова за вршење хидрографског премера на унутрашњим водним путевима, као и снимање објеката у речном кориту образована решењем Министарства грађевинарства, саобраћаја и инфраструктуре, број: 342-01-01024/2020-06 од 12.8.2020. године (у даљем тексту: Комисија) је ради утврђивања чињеничног стања 8.9.2020. године на чамацу „BG-067J”, који се налазио у Марини Сава на локацији km 3+500, лева обала реке Саве, који је у власништву подносиоца захтева изашла на лице места како би утврдила чињенично стање у погледу испуњености прописаних услова о чему је сачинила записник број 342-01-01024/2020-06 од 8.9.2020. године о утврђеном стању



које се односи на испуњеност услова за које морају да испуне правна лица за вршење послова хидрографског премера на унутрашњим водним путевима и утврдила да подносилац захтева испуњава прописане услове у погледу техничке опреме и уређаја, као и техничком опремом за одређивање позиције.

У току поступка Комисија је непосредним прегледом на терену чамца регистарске ознаке „BG -067J” и техничке опреме и уређаја утврдила да подносилац захтева располаже са следећом техничком опремом и уређајима:

1. широкопојасним интерферометријским ултразвучним дубиномером који је у складу са Стандардом за Хидрографски премер C-44 Међународне хидрографске организације и Посебним условима мерења из Стандарда за Хидрографски премер C-44, који омогућава потпуну покривеност дна (Geo Swath Plus 250 kHz) који има потврду усаглашености од 9.12.2013. године издату од стране KONGSBERG GEOACOUSTICS LTD (DOO) из Велике Британије да може да постигне стандарде Специјалне публикације ИХО 44;

2. уређајем за мерење љуљања („roll”) и посртања („pitch”) минималне тачности 0,05° и понирања („heave”) пловила минималне тачности 10 cm;

3. уређајем за мерење брзине простирања звука кроз воду у тренутку мерења дубина минималне тачности 0,05 m/s (Sound Velocity Sensor) који омогућава корекцију истих у складу са вредностима брзине простирања звука у површинском делу воденог стуба који има сертификат калибрације Valeport LTD St Peter' s Quay из Велике Британије, број 45002 од 12.5.2016. године;

4. уређајем за мерење брзине простирања звука кроз воду у читавом воденом стубу минималне тачности 0,05 m/s (Sound Velocity Sensor) који омогућава корекцију измерених дубина на основу стварних вредности брзине простирања звука, који има сертификат калибрације Valeport LTD St Peter' s Quay из Велике Британије, број 44686 од 18.4.2016. године.

Надаље је у погледу техничке опреме за одређивање позиције Комисија утврдила да подносилац захтева располаже следећом опремом:

1. двофреквентним ГНСС (Глобални навигациони сателитски систем) пријемником са могућношћу рада у режиму корекције позиције у реалном времену (РТК режим) који има и уређај за прецизно одређивање курса пловила минималне тачности 0,2° који се налази на пловилу (ГНСС компас) (Hemisphere VS 330);

2. двофреквентним РТК ГНСС пријемником који ради у режиму ГНСС базне станице која израчунава грешку измерену у односу на стварну позицију која служи за корекцију измерене позиције ГНСС пријемника на броду (GNSS rover) (Hemisphere R 320);

3. ВХФ уређајем за комуникацију РТК ГНСС пријемника који се налази на пловилу и РТК ГНСС пријемника који ради у режиму базне станице (Satel 3Asd VHF);

4. ГПРС/ГСМ модемом који омогућава РТК режим рада ГНСС пријемника на пловилу коришћењем АГРОС (Активна Геодетска Референтна Основа Србије) мреже ГНСС перманентних станица у Републици Србији установљене од стране Републичког геодетског завода;

5. хидро-навигацијским софтвером, неопходним за процес извођења хидрографског премера у свим његовим фазама које обухватају припрему, прикупљање, обраду и приказ батиметријских података, који је у складу са Стандардом за Хидрографски премер C-44 Међународне хидрографске организације (програма за обраду хидрографских радова) и програм за накнадну обраду и презентовања података мерења);



6. моторним чамацем регистарске ознаке за идентификацију „BG-067J” намењеним и регистрованим за привредне сврхе – хидрографске радове; година градње 2019, дужине 5,10 m, ширине 1,70 m, висине трупа 0,50 m, истиснине 0,95 m, мотором Сузуки DF20A, 02002F-813661, 14,7 kW; власништво подносиоца захтева, односно iC consulenten d.o.o. из Београда, ул. Кнеза Милоша 19/III на којем се налазе уређаји, односно опрема за мерење дубина и допунски уређаји и техничка опрема за одређивање позиција.

Увидом у Извод пописа основних средстава, овереног од стране подносиоца захтева утврђено да под инвентарским бројем 097 Хидролошки и хидрографски систем за мерење налази пописана техничка опрема за мерење дубине и допунски уређаји, као и техничка опрема за одређивање позиције прописане чланом 2. ст. 1. и 2. Правилника о условима које морају да испуњавају правна лица која врше хидрографски премер на унутрашњим водним путевима, као и снимање објеката у речном кориту.

Такође је увидом у пловидбену дозволу број 342-17-147/19-02 од 24.5.2019. године издату од старне Лучке капетаније Београд и Извештај о редовном прегледу чамца за привредне сврхе Управе за утврђивање способности бродова за пловидбу рег. бр. 2150 од 6.5.2020. године утврђено да подносилац захтева има моторно пловило - чамац регистарске ознаке за идентификацију „BG-067J”, намењен за привредне сврхе за хидрографске радове, регистровано до 17.5.2021. године које је опремљено прописаном техничком опремом и уређајима.

Надаље је увидом у наведени извештај о редовном прегледу означеног чамца за привредне сврхе, Управе за утврђивање способности бродова за пловидбу број 2150 од 6.5.2020. године у делу означеном под бројем 15. Заштита на раду, види се да подносилац захтева испуњава услове који се односе на техничку заштиту и заштиту на раду у складу са посебним прописом, односно Правилником о техничким правилима за чамце, пловећа тела и плутајуће објекте („Службени гласник РС”, бр. 35/18).

У погледу кадровског капацитета је увидом у уговор о раду од 30.7.2020. године закљученог између подносиоца захтева као послодавца и Рашић Зорана из Београда, ул. Великореметска 2/1, као запосленог, уверење Централног регистра обавезног социјалног осигурања број 0003415926 од 3.8.2020. године, потврду о поднетој пријави, промени и одјави на обавезно социјално осигурање, деловодни број 338555039902 од 3.8.2020. године и диплому Грађевинског факултета у Београду број 6002 од 21.2.2003. године, лиценцу број 313 5662 03 од 11.9.2003. године, потврду број 02-12/385533 од 13.7.2020. године којом се потврђује да је Рашић Зоран има лиценцу број 313 5662 03 за одговорног пројектанта грађевинских објеката хидроградње, утврђено је да подносилац захтева има запослено на неодређено време једно лице Рашић (Љубиша) Зорана са високом стручном спремом из научне области грађевинско инжењерство, смер хидротехника и лиценцом одговорног пројектанта грађевинских објеката хидроградње.

Увидом у уговор о раду од 30.7.2020. године, закљученог између подносиоца захтева као послодавца и Тање Јованчевић из Београда, ул. Вишњички венац 9 као запосленог, уверење Централног регистра обавезног социјалног осигурања број 0003415926 од 3.8.2020. године, потврду о поднетој пријави, промени и одјави на обавезно социјално осигурање, деловодни број 293688552764 од 3.8.2020. године и лиценцу бр. 372 K546 11 од 22.9.2011. године за одговорног пројектанта геодетских пројеката издату од Инжењерске коморе Србије и потврду број 12-02/356953 од 3.9.2019. године издатој од Инжењерске коморе Србије којом се потврђује да именована има лиценцу број 372 K546 11 одговорног пројектанта геодетских пројеката



утврђено је да подносилац захтева има запослено на неодређено време једно лице Јованчевић Тању са лиценцом одговорног пројектанта геодетских пројеката.

Увидом у лиценцу бр. 471 G119 11 од 8.9.2011. године за одговорног извођача геодетских радова издату од Инжењерске коморе Србије и потврду број 12-02/356952 од 3.9.2019. године издату од Инжењерске коморе Србије којом се потврђује да Тања Јованчевић има лиценцу одговорног извођача геодетских радова, утврђено је да подносилац захтева има запослено на неодређено време једно лице Јованчевић Тању са лиценцом одговорног извођача геодетских радова.

Увидом у уговор о раду бр. 141119009 од 13.11.2014. године закљученог између подносиоца захтева као послодавца и Стошић Тихомира из Београда, ул. Дечанска бр. 13, као запосленог, потврду о поднетој пријави, промени и одјави на обавезно социјално осигурање од 7.3.2014. године, уверење Централног регистра обавезног социјалног осигурања број 0003415926 од 3.8.2020. године, извод из појединачне пореске пријаве за порез и доприносе по одбитку бр. 1596499299488 од 3.8.2020. године, сертификат број 63 од 30.9.2005. године за обављање послова хидрографије, категорија Б, издату од стране Међународне поморске академије у Трсту (Италија), која је призната од стране Међународне комисије за стандарде компетенције за хидрографске геодете и наутичке картографе, односно од Међународног саветодавног одбора FIG/IHO, утврђено је да подносилац захтева има запослено на неодређено време лице Сотошић Тихомира, који има лиценцу за обављање хидрографских послова која је призната од стране МХО.

Увидом у уговор о раду од 1.3.2020. године закљученог између подносиоца захтева као послодавца и Славнић Душана из Новог Београда ул. Веспучијева бр. 24, као запосленог, извод појединачне пореске пријаве за порезе и доприносе по одбитку број 1596499368252 од 3.8.2020. године, потврду о поднетој пријави, промени и одјави на обавезно социјално осигурање, деловодни број 116431327603 од 2.3.2020. године, уверење Централног регистра обавезног социјалног осигурања број 0003415926 од 3.8.2020. године, сертификат број 017 од 19.7.2001. године за обављање послова хидрографије, категорија Б издату од стране Међународне поморске академије у Трсту (Италија), која је призната од стране Међународне комисије за стандарде компетенције за хидрографске геодете и наутичке картографе, односно од Међународног саветодавног одбора FIG/IHO утврђено је да подносилац захтева има запослено поред Стошић Тихомира и Славнић Душана са лиценцом за обављање хидрографских послова која је призната од стране МХО.

Одредбом члана 6. став 1. Закона о хидрографској делатности („Службени гласник РС”, број 9/20) прописано је да хидрографски премер на унутрашњим водним путевима, као и снимање објеката у речном кориту за потребе Дирекције за водне путеве, као и за потребе других правних и физичких лица, могу да обављају и правна лица ако испуњавају услове у погледу:

- 1) техничке опреме и одговарајућих мерних уређаја за хидрографски премер и дубине;
- 2) одговарајућих материјалних и техничких средстава за обављање истражних радова и извођења радова;
- 3) техничке заштите и заштите на раду, у складу са посебним прописима.

Ставом 2. истог члана прописано је да поред услова из става 1. овог члана, правно лице мора да испуњава услов у погледу кадровског капацитета, односно да има запослене на неодређено време, и то:



- 1) једно лице са високом стручном спремом или завршеним специјалистичким студијама из научне области грађевинско инжењерство, смер хидротехника;
- 2) једно лице са лиценцом одговорног пројектанта геодетских пројеката;
- 3) једно лице са лиценцом одговорног извођача геодетских радова;
- 4) два лица са лиценцама за обављање хидрографских послова које издаје МХО или институција коју признаје МХО.

Одредбом члана 2. Правилника о условима које морају да испуњавају правна лица која врше хидрографски премер на унутрашњим водним путевима, као и снимање објеката у речном кориту („Службени гласник РС”, број 85/20) прописано је да правно лице које врше хидрографски премер на унутрашњим водним путевима, као и снимање објеката у речном кориту треба да има техничку опрему за мерење дубине и допунске уређаје, и то:

- 1) вишеснопни или широкопојасни интерферометријски ултразвучни дубиномер који је у складу са Посебним условима хидрографског премера из Стандарда за Хидрографски премер С-44 Међународне хидрографске организације и Посебним условима мерења из Стандарда за Хидрографски премер С-44, и који омогућава потпуну покривеност дна;
- 2) уређај за мерење љуљања („roll”) и посртања („pitch”) минималне тачности 0,05° и понирања („heave”) пловила минималне тачности 10 cm;
- 3) уређај за мерење брзине простирања звука кроз воду у тренутку мерења дубина минималне тачности 0,05 m/s (Sound Velocity Sensor) који омогућава корекцију истих у складу са вредностима брзине простирања звука у површинском делу воденог стуба;
- 4) уређај за мерење брзине простирања звука кроз воду у читавом воденом стубу минималне тачности 0,05 m/s (Sound Velocity Sensor) који омогућава корекцију измерених дубина на основу стварних вредности брзине простирања звука.

Поред опреме из става 1. овог члана, правно лице треба да има и техничку опрему за одређивање позиције, и то:

- 1) двофреквентни ГНСС (Глобални навигациони сателитски систем) пријемник са могућношћу рада у режиму корекције позиције у реалном времену (РТК режим);
- 2) уређај за прецизно одређивање курса пловила минималне тачности 0,2°, који може да буде засебан уређај или адекватан ГНСС пријемник који то омогућава, а који се налази на пловилу (ГНСС компас);
- 3) двофреквентни РТК ГНСС пријемник који може да ради у режиму ГНСС базне станице која израчунава грешку измерену у односу на стварну позицију која служи за корекцију измерене позиције ГНСС пријемника на броду (GNSS rover);
- 4) ВХФ уређај за комуникацију РТК ГНСС пријемника који се налази на пловилу и РТК ГНСС пријемника који ради у режиму базне станице;
- 5) ГПРС/ГСМ модем који омогућава РТК режим рада ГНСС пријемника на пловилу коришћењем АГРОС (Активна Геодетска Референтна Основа Србије) мреже ГНСС перманентних станица у Републици Србији установљене од стране Републичког геодетског завода;
- 6) хидро-навигацијски софтвер, неопходан за процес извођења хидрографског премера у свим његовим фазама које обухватају припрему, прикупљање, обраду и приказ батиметријских података, који је у складу са Стандардом за Хидрографски премер С-44 Међународне хидрографске организације;
- 7) моторно пловило, регистровано за привредну делатност, опремљено техничком опремом и мерним уређајима из ст. 1. и 2. тач. 1–6. овог члана,



У спроведеном поступку у предметној управној ствари ценећи све доказе поднете уз захтев за издавање одобрења, записник Комисије за утврђивање испуњености услова за вршење хидрографског премера на унутрашњим водним путевима, као и снимање корита у речном кориту, број 342-01-01924/2020-06 сачињеног 8.9.2020. године којим је непосредним увидом на лицу места утврђено стање које се односи на испуњеност услова које морају да испуњавају правна лица за вршење послова хидрографског премера на унутрашњим водним путевима, контролну листу која је саставни део наведеног записника утврђено да подносилац захтева испуњава прописане услове, те је применом одредаба члана 6. став 3. Закона о хидрографској делатности („Службени гласник РС”, број 9/20), члана 136. став 1. Закона о општем управном поступку („Службени гласник РС”, бр. 18/16) и члана 2. ст. 1. и 2. Правилника о условима које морају да испуњавају правна лица која врше хидрографски премер на унутрашњим водним путевима, као и снимање објеката у речном кориту („Службени гласник РС”, број 85/20) одлучено као у диспозитиву овог решења.

Поука о правном леку: Ово решење је коначно у управном поступку и против њега се може покренути управни спор код Управног суда у року од 30 дана од дана достављања овог решења. Тужба се подноси непосредно наведеном суду или преко поште, а може се изјавити на записник код Управног суда или се предати у облику електронског документа.

Достављено:

- iC consulenten d.o.o. из Београда, ул. Кнеза Милоша 19/III,
- Архива.

ПОТПРЕДСЕДНИЦА ВЛАДЕ  
И МИНИСТАРКА

Проф. др Зорана З. Михајловић



## 6.2. LIČNI CERTIFIKATI



The certificate is a formal document on cream-colored paper with a decorative red border. It features three logos at the top: the Italian Navy emblem, the IMA (International Maritime Academy) emblem, and the FIG (FIG - IHO International Advisory Board) logo. The text is in English and certifies the completion of a hydrography course by Mr. Stošić Tihomir. The course is recognized by the FIG - IHO International Advisory Board. The certificate is signed by the course coordinator, the president, and the director.

Nr. 63  
Date 30.09.2005

Here the undersigned Members of the Examining Commission of the International Maritime Academy of Trieste,  
**Stošić Tihomir**  
CERTIFY that Mr. \_\_\_\_\_

Has completed the course on **HARBOUR AND COASTAL HYDROGRAPHY** at the International Maritime Academy of Trieste, Italy, and carried out the practice necessary for obtaining the Certificate in

**HYDROGRAPHY, CATEGORY B (specialization in COASTAL ZONE MANAGEMENT)**

This course has been recognized by the FIG - IHO International Advisory Board according to the Standards of Competence for Hydrographic Surveyors.

The course Coordinator  
*R. Adam. Frumano*

The President  
*[Signature]*

The Director  
*[Signature]*







## 6.3. OPREMA

**Shallow Water Multibeam and Side Scan System****Description**

GeoSwath Plus offers very efficient simultaneous swath bathymetry and side scan seabed mapping with accuracies that have been shown to exceed the IHO Standards for Hydrographic Surveys. The applied phase measuring bathymetric sonar technology provides data coverage of up to 12 times the water depth, giving unsurpassed survey efficiency in shallow water environments.

**System Components**

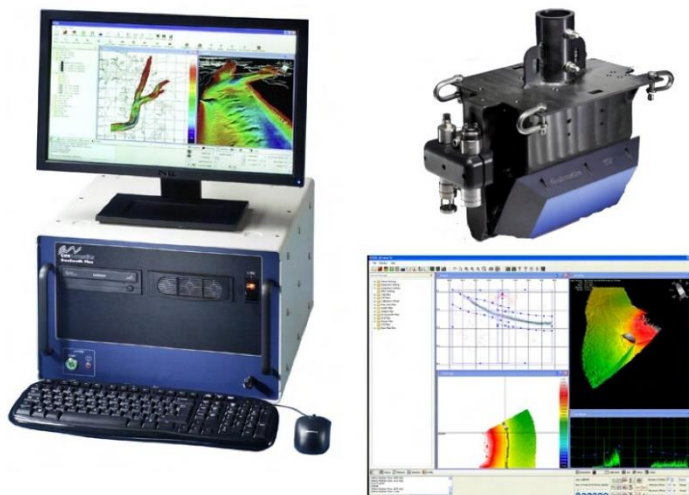
The GeoSwath Plus turn-key solution comprises a dual transducer head with versatile mounting options as well as a deck unit containing the complete sonar electronics together with a high spec PC, running the GeoSwath Plus software. The software provides full acquisition, calibration and data processing capabilities for producing the final bathymetry map and side scan mosaic data products. All customary ancillary sensors can be directly interfaced.

**Dual Transducer wet end**

The rugged port and starboard transducers, available in three frequency options (125, 250, 500 kHz), can be attached to a supplied sonar head assembly for boat over-the-side or bow-mount options, which also can accommodate a range of ancillary sensors. Alternatively they can be deployed on bespoke boat hull mount, as well as bespoke ROV and AUV assemblies.

**Deck Unit**

The compact workstation contains the complete system electronics as well as a high spec PC. All peripheral sensors (position, motion, heading, transducer face sound velocity, sound velocity profiler and tide) are

**Features**

- Ultra high resolution swath bathymetry
- IHO SP-44, special order
- Co-registered geo-referenced side scan
- Frequency versions: 125, 250, 500 kHz
- Up to 12 times water depth coverage
- 240° view angle
- Dual transducer set-up with versatile mounting options
- Full software solution included: data acquisition, processing, presentation
- Interfaces to all customary peripheral sensors
- Interfaces to all customary software packages

interfaced directly.

**Software**

Operating on Windows XP, the GeoSwath Plus software package provides a complete project based solution, including acquisition, storing and editing of sonar and ancillary data, grid-based patch test calibration, data processing with audit trail, advanced bathymetry data gridding and side scan mosaicing, data visualisation including 3D fly-through capability

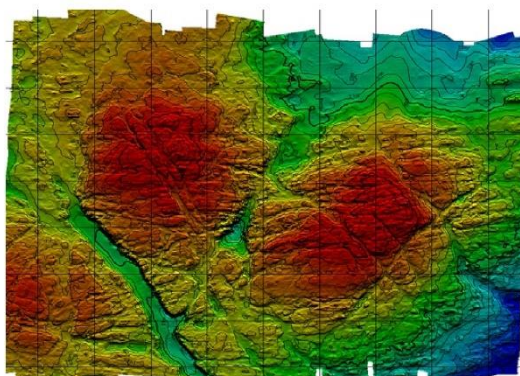
**Options**

- AUV and ROV versions
- compact transducer head for small boat operations
- cost effective frequency upgrades
- range of transducer mounts including underwater housing for peripheral sensors
- GeoTexture Side Scan Sediment Classification software
- range of cable options
- special rates on third party software



### Technical specifications

GeoSwath Plus	125 kHz	250 kHz	500 kHz
max Water Depth Below Transducers	200 m	100 m	50 m
max Swath Width	780 m	390 m	190 m
max Coverage	up to 12 x depths		
Depth Resolution	6 mm	3 mm	1.5 mm
Two Way Beam Width (Horizontal)	0.85°	0.75°	0.5°
Transmit Pulse Length	128 $\mu$ S to 896 $\mu$ S	64 $\mu$ S to 448 $\mu$ S	32 $\mu$ S to 224 $\mu$ S
max Swath Update Rate	30 per second (range dependant)		
Transducer Dimensions	540 x 260 x 80 mm	375 x 170 x 60 mm	255 x 110 x 60 mm
Transducer Weight	11.6 kg (in air) 3.3 kg (in water)	3.8 kg (in air) 1.8 kg (in water)	1.5 kg (in air) 0.5 kg (in water)



MG150812

KONGSBERG GEOACOUSTICS LTD is engaged in continuous development of its products, and reserves the right to alter the specifications without further notice

#### KONGSBERG GEOACOUSTICS LTD

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Gapton Hall Industrial Estate  
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[km.geoacoustics.sales@kongsberg.com](mailto:km.geoacoustics.sales@kongsberg.com)





KONGSBERG

## Certificate of Conformity

S/No. 20131206/1-6984/01

Date:	9 <sup>th</sup> December 2013		Job No.	1-6984
Customer:	IC Consulenten d.o.o.			
Purchase Order No:	14989/1/130221		Dated:	04/03/2013
Item	Qty	Description	Serial No	
A	1	<b>GeoSwath Plus 250 kHz</b> GeoSwath Plus Workstation c/w GeoSwath plus acquisition & processing Software.	504	
B	1	Pair of 250 kHz Transducers (Port and Starboard)	22317(P) 22318(S)	
C	1	Pair of transducer cables (2 cables – 15m each)(GS05-0299)	5-00396(P) 5-00397(S)	
D	1	Combined MRU/Mini SVS/Tritech cable (15m)(GS05-0399-05)	5-00495	
E	1	Transducer V Plate (GS02-0399-07)	5636/08	
F	1	Over the side mount		
G	1	SMC IMU 108 in underwater housing	1082929	
H	1	Valeport Mini SVS	41870	
J	1	Valeport SVP Sound Velocity Profiler	40104	
K	1	Tritech PA200	2127.208932	
L	1	Software to allow processing on a separate PC	DUSB-585	
M	1	Surfer software for additional post processing	-	
N	1	Facility for observing data on helmsman's monitor	-	
O	1	RTK-GPS Hemisphere VS330 Receiver	A1304-162108-0010	
		A43 L1/L2 GNSS/Beacon antenna with mount	AA1301-162084-0010	
P	1	<b>R320 RTK Base Station</b> A52 antenna with mount	AA1310-162452-0012	
			BB1222-A52S0024	
<p><i>This is to certify that the whole of the supplies detailed hereon have been inspected and tested in accordance with Kongsberg GeoAcoustics Limited Factory Acceptance Test Procedures and conforms in all respects to the specifications therein and to the requirements of your Purchase Order No. 14989/1/130221 Dated: 04/03/2013.</i></p> <p><i>The above equipment is capable of achieving IHO Special Publication 44 standards.</i></p>				
Despatched against delivery note number : 10122			Dated: 28 <sup>th</sup> March 2013	
Delivered to:  IC Consulenten d.o.o. Kneza Milosa 19/111 Belgrade 11000 Serbia			Stamp: <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>KONGSBERG GEOACOUSTICS LTD</b>  <b>Q.A. DEPARTMENT LS/01</b>            SIGNATURE           DATE 9<sup>th</sup> Dec. 2013       </div>	

Certificate of Conformity

Page 1 of 1

KG QD18/1

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 Email: geoacoustics.reception@kongsberg.com www.km.kongsberg.com/geoacoustics.  
 Registered in England Number 2571389 Vat Number 595042235





## Vector VS330 GNSS Compass

### Professional Heading and Positioning Receiver



#### Vector VS330

Powered by  
**Eclipse™**

Experience the Vector™ VS330™ with Eclipse™ GNSS technology, an addition to our Vector VS family. Developed for precise marine and land applications which require precise heading and RTK position performance from the Vector VS330 GNSS receiver compass.

The Vector VS330 utilizes all of the innovations in Hemisphere GPS' Eclipse Vector technology. Optimizing Eclipse Vector technology brings a series of new features to the Vector VS330 including heave, pitch and roll output, and more robust heading and positioning performance.

The Vector VS330 receiver, with its display and user interface, can be conveniently installed near the operator. The two antennas are mounted separately and with a user-determined separation to meet the desired heading accuracy.

The Vector VS330 uses L-band DGNSS/HP/XP and SBAS (WAAS, EGNOS, MSAS, etc.) for differential GPS positioning.

### Key Vector VS330 GNSS Receiver Advantages

- Extremely accurate heading with both short and long baselines up to 10 m
- L1/L2 GPS/GLONASS RTK capable
- L-band DGNSS/HP/XP(OmniSTAR®) capable
- Beacon capable
- Fast RTK acquisition and reacquisition times
- Excellent coasting performance
- 5 cm rms RTK-enabled heave accuracy
- Strong multipath mitigation and interference rejection

[www.hemispheregps.com](http://www.hemispheregps.com) • [precision@hemispheregps.com](mailto:precision@hemispheregps.com)





## Vector VS330 GNSS Compass

### GPS Sensor Specifications

Receiver Type:	Vector GNSS L1/L2 RTK	
Signals Received:	GPS, GLONASS, Galileo <sup>8</sup>	
Channels:	270	
GPS Sensitivity:	-142dBm	
SBAS Tracking:	3-channel, parallel tracking	
Update Rate:	10 Hz standard, 20 Hz available by subscription	
Horizontal Accuracy:	RMS (67%)	2DRMS (95%)
RTK: <sup>1</sup>	10 mm + 1 ppm	20 mm + 2 ppm
L-band DGNSS/HP/XP (OmniSTAR HP): <sup>2,7</sup>	0.08 m	0.16 m
SBAS (WAAS): <sup>2</sup>	0.25 m	0.50 m
Autonomous, no SA: <sup>2</sup>	1.2 m	2.5 m
Heading Accuracy:	< 0.17° rms @ 0.5 m antenna separation	
	< 0.09° rms @ 1.0 m antenna separation	
	< 0.04° rms @ 2.0 m antenna separation	
	< 0.02° rms @ 5.0 m antenna separation	
	< 0.01° rms @ 10.0 m antenna separation	
Pitch/Roll Accuracy:	< 1° rms	
Heave Accuracy:	30 cm (DGPS) <sup>5</sup> , 10 cm (RTK) <sup>6</sup>	
Timing (1PPS) Accuracy:	20 ns	
Rate of Turn:	100°/s maximum	
Compass Safe Distance:	30 cm (with enclosure) <sup>5</sup>	
Cold Start:	< 40 s (no almanac or RTC)	
Warm Start:	< 20 s typical (almanac and RTC)	
Hot Start:	< 5 s typical (almanac, RTC and position)	
Heading Fix:	< 10 s typical (valid position)	
Maximum Speed:	1,850 mph (999 kts)	
Maximum Altitude:	18,288 m (60,000 ft)	

### Beacon Sensor Specifications

Channels:	2-channel, parallel tracking
Frequency Range:	283.5 to 325 kHz
Operating Modes:	Manual, automatic and database
Compliance:	IEC 61108-4 beacon standard

### L-band DGNSS/HP/XP Sensor Specifications

Sensitivity:	-130 dBm
Channel Spacing:	75 KHz
Satellite Selection:	Manual and Automatic
Reacquisition Time:	15 seconds (typical)
Rejection:	15 kHz spacing > 30 dB, 300 kHz spacing > 60 dB
Processor:	DSP for demodulation and protocol decoding module provides processing for the differential algorithms
Command Support:	Reports L-band DGNSS/HP/XP (OmniSTAR) region, satellite info, allows input and status of L-band DGNSS/HP/XP (OmniSTAR) subscription, Bit Error Rate (BER) output for reception quality indication and manual frequency tuning

### Communications

Serial Ports:	2 full-duplex RS-232, 1 full-duplex RS-422 port
USB Ports:	1 USB-A

Baud Rates:	4800 - 115200
Correction I/O Protocol:	RTCM v2.3 (DGPS), RTCM v3 (RTK), CMR, CMR+ <sup>1</sup>
Data I/O Protocol:	NMEA 0183, Crescent binary <sup>3</sup>
Timing Output:	1PPS CMOS, active low, falling edge sync, 10 kΩ, 10pF load

### Power

Input Voltage:	8 to 36VDC
Power Consumption:	< 6.2 W nominal (GPS (L1/L2), GLONASS (L1/L2) and L-band DGNSS/HP/XP) < 5.3 W nominal (GPS L1/L2) and GLONASS (L1/L2)) < 0.52 A nominal (GPS L1/L2), GLONASS (L1/L2) and L-band DGNSS/HP/XP) < 0.44 A nominal (GPS L1/L2) and GLONASS (L1/L2))
Current Consumption:	500 V
Power Isolation:	Yes
Reverse Polarity Protection:	Yes
Antenna Short Circuit Protection:	Yes
Antenna Input Impedance:	50 Ω

### Environmental

Operating Temperature:	-30°C to +70°C (-22°F to +158°F)
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing (when installed in an enclosure)
Enclosure Rating:	IP66 (IEC 60529)
Shock and Vibration:	Mechanical Shock: EP455 Section 5.14.1 Operational (when mounted in an enclosure with screw mounting holes utilized) EP455 Vibration: Section 5.15.1 Random CE (IEC 60945 Emissions and Immunity) FCC Part 15, Subpart B CISPR22

### EMC:

### Mechanical

Dimensions:	20.2 L x 12.0 W x 7.5 H (cm) 8.0 L x 4.7 W x 3.0 H (in) ~1.1 kg (~2.5 lbs.)
Weight:	
Status Indications (LED):	Power, Primary and Secondary GPS lock, Differential lock, DGPS position, Heading, RTK lock, L-band DGNSS/HP/XP lock Front panel soft switch
Power Switch:	9-pin ODU metal circular
Power/Data Connector:	2-pin ODU metal circular
Power Connector:	DB9 (sealed)
Data Connector:	2TNC (female)
Antenna Connectors:	

### Aiding Devices

Gyro:	Provides smooth heading, fast heading reacquisition and reliable < 5° per minute heading for periods up to 3 minute when loss of GPS has occurred <sup>4</sup>
Tilt Sensors:	Provide pitch, roll data and assist in fast start-up and reacquisition of heading solution.

### Authorized Distributor:



HEMISPHERE GPS	Phone: 403.259.3311
4110 - 9th Street S.E.	Fax: 403.259.8866
Calgary, AB T2G 3C4	precision@hemispheregps.com
Canada	www.hemispheregps.com

- <sup>1</sup> Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services), and ionospheric activity
- <sup>2</sup> Depends on multipath environment, number of satellites in view and satellite geometry
- <sup>3</sup> Hemisphere GPS proprietary
- <sup>4</sup> Under static conditions
- <sup>5</sup> This is the minimum safe distance measured when the product is placed in the vicinity of the steering magnetic compass. The ISO 694 defines "vicinity" relative to the compass as within 5 m (16.4 ft) separation.
- <sup>6</sup> Based on a 40 second time constant
- <sup>7</sup> Requires a subscription from OmniSTAR
- <sup>8</sup> Upgrade required

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Hemisphere GPS, Hemisphere GPS logo, Eclipse logo, Vector, VS330, and L-Dif are trademarks of Hemisphere GPS.  
OmniSTAR is a registered trademark of OmniSTAR, Inc. Rev. 9/12.





## SMC IMU

### Motion Sensors



SMC has developed its IMU range of Motion Sensors to meet the requirements of the hydrographic and marine sectors. The IMU range provides high accuracy motion measurement data in dynamic environment in all areas from small hydrographic vessels to large oil rigs in all weather conditions.

#### Key Specifications

- Roll & Pitch  $0.03^\circ$  (RMS) Dynamic Accuracy
- Heave 5 cm or 5 %
- Accelerations / Velocities
- Velocity Input Formats RMC, RMA, VTG, VBV, VHW
- Heading Input Formats NMEA 0183, HDT, HDG
- Various Industry Protocols NMEA
- 2 years warranty

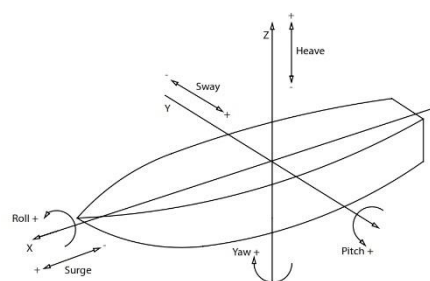
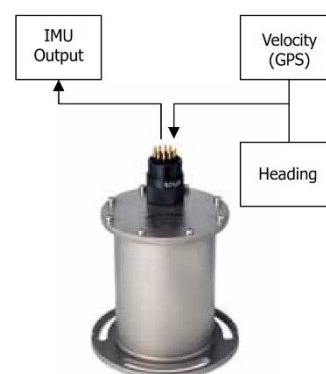


The SMC IMU uses solid state gyros and accelerometers to provide real time motion measurements with high dynamic accuracy even during accelerations. RS232 or RS422 outputs with RS232 velocity and heading inputs for aiding during vessel turns. High quality titanium design, construction and assembly produce an IMU with an extremely high reliability in the most demanding marine environment.

Every SMC IMU is individually calibrated and tested for roll, pitch & heave as well as all directions of acceleration, inside a calibration machine with a controlled temperature environment between 0 and +55 degrees Celsius.

The SMC IMU is supplied with a data distribution unit, cables and windows based software for ease of set up and configuration. The configuration software enables the user to configure the IMU parameters for the installation.

The SMC IMU is available in a variety of design and depth options.



IMU data sheet revision 74



## SMC IMU Motion Sensors

Datasheet



Technical Specifications		IMU-106	IMU-107	IMU-108
Roll / Pitch		N/A	Yes	Yes
Accelerations X, Y, Z		N/A	Yes	Yes
Heave		Yes	N/A	Yes
Performance				
Angle Accuracy static		N/A	0.02° RMS	0.02° RMS
Angle Accuracy Dynamic @ ±5° simultaneous roll and pitch		N/A	0.03° RMS	0.03° RMS
Resolution Angle		N/A	0.001°	0.001°
Resolution Heave		0.01m	N/A	0.01m
Angle range Roll/Pitch		± 30°	± 30°	± 30°
Heave range		±10m	N/A	±10m
Heave Accuracy		5cm or 5%	N/A	5cm or 5%
Acceleration accuracy		N/A	0.01 m/s <sup>2</sup> RMS	0.01 m/s <sup>2</sup> RMS
Communications				
IMU Configuration Software		The IMU is shipped with SMC configuration windows software allowing on site setup		
Output Signal Protocol		Multiple, user selectable Output Protocols ASCII NMEA and binary		
Communications Interface		Output RS422 and RS232. Analog with remote converter (optional) 2 x RS232 External inputs, (not available on all models) Velocity input formats RMC, RMA, VTG, VBV, VHW; Heading input formats HDT, HDG		
Physical				
Dimensions for IMU-10x (W x H)		tube Ø89, mounting plate Ø134, flange Ø110) x 127		
Weight		~2 kg		
Housing Material		Titanium		
Environmental				
Temperature (absolute max)		0° to +55° Celsius (-10° to +65°); Storage Temperature -40° to +65° Celsius		
Mounting Orientation		Vertical or Horizontal mounting (factory set)		
Power requirements		12 - 30 VDC; 2 W		
MTBF (computed)		50 000 hours		
Depth rating		IP64 (standard); IP68 30 meter depth rated (optional)		
Standard		Complies with the IEC 60945		
Warranty & Support				
Warranty		2-year Limited Hardware & Software Warranty		
Support		Free Technical & Hardware support		
Bundled Delivery				
Junction Box		Multiple Input & Output Connection Case, including 10 m cable		

Contact: Phone: +46 8 644 50 10 | Email: [info@shipmotion.eu](mailto:info@shipmotion.eu) | Web: [www.shipmotion.eu](http://www.shipmotion.eu)





## miniSVP



The miniSVP has been developed to provide a cost effective tool for the collection of Sound Velocity Profiles, without compromising the quality of the data. Ideally suited to ROV, coastal, or small boat applications, the miniSVP will appeal to survey companies, the military and academia alike, being simple to use, easy to handle, and featuring the most accurate SV sensor in the world.



### Sensors

The miniSVP is fitted with Valeport's digital time of flight sound velocity sensor, a PRT temperature sensor, and strain gauge pressure transducer.

#### Sound Velocity

Range: 1375 - 1900m/s  
Resolution: 0.001m/s  
Accuracy:  $\pm 0.02$ m/s

#### Temperature

Range: -5°C to +35°C  
Resolution: 0.001°C  
Accuracy:  $\pm 0.01$ °C

#### Pressure

Range: 10, 50, 100, 300 or 600 Bar  
Resolution: 0.001% range  
Accuracy:  $\pm 0.05$ % range

### Data Acquisition

The miniSVP features a selection of pre-programmed sampling regimes, covering many standard applications. Data may be sampled from 1 to 16Hz, making it suitable for rapid profiling or for continuous measurement at a fixed point

### Sampling Modes

Continuous: Regular output from all sensors at 1, 2, 4, 8, 16Hz.  
Profile: Logs data as the device falls (or rises) by a defined amount through the water column.

### Communications

The instrument will operate autonomously, with setup and data extraction performed by direct communications with PC before and after deployment. It also operates in real time, with a choice of communication protocols fitted as standard and selected by pin choice on the output connector:

RS232: Up to 200m cable, direct to serial port  
RS485: Up to 1000m cable  
Baud Rate: 4800 - 460800  
Protocol: 8 data bits, 1 stop bit, No parity, No flow control  
Bluetooth: Optional Bluetooth adapter available for cable free data recovery (adapter not designed for immersion)

### Memory

The miniSVP is fitted with a solid state non-volatile Flash memory, capable of storing over 10 million lines of data (equivalent to 10,000 profiles to 500m, at 1m profile resolution).

### Electrical

Internal: 1 x C cell, 1.5v alkaline or 3.6v lithium  
External: 9 - 28vDC  
Power: <250mW  
Battery Life: approx 30 hours operation (alkaline)  
approx 90 hours operation (lithium)  
Connector: Subconn MCBH10F

### Physical

Materials: Acetal or titanium housing (as ordered), polycarbonate & composite sensor components

Depth Rating: 500m (acetal)  
6000m (titanium)  
NB: Maximum deployment depth may be limited by transducer range

Instrument Size: Main Housing 48mmØ  
Sensor Body 54mmØ  
Length 435mm (including connector)

Weight: 0.8kg (acetal)  
1.6kg (titanium)

Shipping: 51 x 42 x 27cm, 10kg

### Software

System is supplied with DataLog Express Windows based PC software, for instrument setup, data extraction and display. DataLog Express is licence free.

### Ordering

**0660001** miniSVP Sound Velocity Profiler in acetal housing, switch plug, deployment cage, 3m communications lead, DataLog Express software, manual and transit case. *Specify required pressure range*  
**0660002** miniSVP Sound Velocity Profiler in titanium housing, switch plug, deployment cage, 3m communications lead, DataLog Express software, manual and transit case. *Specify required pressure range*

Datasheet Reference: miniSVP version 2b, Dec 2012

As part of our policy of continuing development, we reserve the right to alter at any time, without notice, all specifications, designs, prices and conditions of supply of all equipment

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## miniSVS

Our unique digital time of flight technology gives unmatched performance figures, with signal noise an order of magnitude better than any other sensor. The miniSVS is available in a selection of configurations and with optional pressure or temperature sensors. There are a variety of sizes to suit many applications.

**miniSVS - still the most accurate sound velocity sensor in the world. Nothing else comes close.**

### Sound Velocity Measurement

Each sound velocity measurement is made using a single pulse of sound travelling over a known distance, so is independent of the inherent calculation errors present in all CTDs. Our unique digital signal processing technique virtually eliminates signal noise, and gives almost instantaneous response; the digital measurement is also entirely linear, giving predictable performance under all conditions.

Range:	1375 - 1900m/s	
Resolution:	0.001m/s	
Accuracy:	Dependent on sensor size	
100mm	Random noise (point to point)	±0.002m/s
	Max systematic calibration error	±0.013m/s
	Max systematic clock error	±0.002m/s
	<b>Total max theoretical error</b>	<b>±0.017m/s</b>

50mm	Total max theoretical error	±0.019m/s
25mm	Total max theoretical error	±0.020m/s

Acoustic Frequency: 2.5MHz

Sample Rate: Selectable, dependent on configuration

Rate	SV	SV+P	SV+T
Single Sample	•	•	•
1Hz	•	•	•
2Hz	•	•	•
4Hz	•	•	•
8Hz	•	•	•
16Hz	•	•	•
32Hz	•	•	
60Hz	•		

### Optional Sensors

The miniSVS may be optionally supplied with either a pressure or temperature sensor (but not both). Data is sampled at the rates shown above

Sensor	Pressure	Temperature
Type	Strain Gauge	PRT
Range	5, 10, 50, 100 or 600 Bar	-5°C to +35°C
Resolution	0.001% range	0.001°C
Accuracy	±0.05% range	±0.01°C

### Data Output

Unit has RS232 & RS485 output, selected by command code. RS232 data may be taken directly into a PC over cables up to 200m long, whereas RS485 is suitable for longer cables (up to 1000m) and allows for multiple addressed units on a single cable.

Baud Rate: 2400 - 115200 (NB. Low baud rates may limit data rate)  
Protocol: 8 data bits, 1 stop bit, No parity, No flow control



### Electrical

Voltage: 8 - 30VDC  
Power: 0.25W (SV only), 0.35W (SV + Pressure)  
Connector: Subconn MCBH6F (alternatives on request)

### Data Format

Examples of data formats are:

```
<space>{sound_velocity}<cr><lf>
<space>{pressure}<space>{sound_velocity}<cr><lf>
<space>{temperature}<space>{sound_velocity}<cr><lf>
```

SV: Choose from mm/s (1510123), m/s to 3 decimal places (1510.123), or m/s to 2 decimal places (1510.12)

Pressure: If fitted, pressure is always output in dBar with 5 digits, with a decimal point, including leading zeroes if necessary. Position of the point is dependent on sensor range, e.g.

50dBar 47.123  
100dBar 047.12  
1000dBar 0047.1

Temperature: If fitted, temperature is output as a 5 digit number with 3 decimal places and leading zeroes, signed if negative, e.g.

21.456  
02.298  
-03.174

### Physical

Please refer to drawing on reverse for detailed dimensions.

Depth Rating: 6000m (Titanium), 500m (acetal)  
Weight: 1kg (housed type)  
Housing & Bulkhead: Titanium or acetal, as selected  
Transducer Window: Polycarbonate  
Sensor Legs: Carbon Composite  
Reflector Plate: Titanium.

### Ordering

All systems supplied with operating manual and carry case. OEM units come with a test lead, housed units with a 0.5m pigtail.

Configuration	100mm	50mm	25mm
Titanium Housed	0652004	0652005	0652006
Acetal Housed	0652045	0652046	0652047
Bulkhead OEM	0652001	0652002	0652003
Remote OEM	0652007	0652008	0652009

0652010 Spare 50cm Pigtail  
0652013 Pressure sensor option (specify range)  
0652028 Temperature sensor option

Datasheet Reference: miniSVS version 2A, Feb 2011

As part of our policy of continuing development, we reserve the right to alter at any time, without notice, all specifications, designs, prices and conditions of supply of all equipment  
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This document certifies that the instrument detailed below has been calibrated according to Valeport Limited's Standard Procedures, using equipment with calibrations traceable to UKAS or National Standards.

**Calibration Certificate Number:** 44686

**Instrument Type:** miniSVP

**Instrument Serial Number:** 40104

**Calibrated By:** L.Bicknell

**Date:** 18/04/2016

**Signed:** 

Full details of the results from the calibration procedure applied to each fitted sensor are available, on request, via email. This summary certificate should be kept with the instrument.



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