Western Green Energy Hub

Aeronautical Impact Assessment Report

A – April 2023

PREPARED FOR
WGEH Pty Ltd

PRESENTED BY
Landrum & Brown Worldwide Australia Pty Ltd

Version and Use Information:

Version Letter	Date	Author(s)	Approver	Comments
A	April 2023	S Yang	I Guy	Update report

This document has been prepared using reasonable skill and care and is for use solely by the party (the Client) who commissioned it and with whom we have a contractual relationship. This document may contain confidential information and proprietary intellectual property.

This document should not be used for any purpose, other than the project, scope and / or purpose for which it was commissioned. We accept no responsibility for any consequences of this document being used or relied upon by any party, other than the Client, or for its use for purposes other than that for which is was commissioned.

We accept no responsibility for any error or omission within this document that arises from an error or omission in data supplied to us by other parties including the Client.

No person, other than the Client, may rely on the content, information or any views expressed in this document. We accept no duty of care, responsibility or liability to any recipient of this document other than the Client. No representation, warranty or undertaking, express or implied, is made and no responsibility or liability is accepted by us to any party other than the Client or any Recipient(s), as to the accuracy or completeness of the information contained in this document. We disclaim all and any liability whether arising in tort, contract or otherwise which we might otherwise have to any party other than the Client, in respect of this document, or any information contained in it. This document is not intended for use to support or inform any public or private securities offerings including any related memorandum or prospectus for any securities offering or stock exchange listing or announcement.

We may not have independently or fully verified the data, information or statements provided to us as the basis for this document in order to determine the accuracy, completeness, and / or sufficiency of same.

Information and opinions are current only as of the date of this document and we accept no responsibility for updating such information or opinion. It should, therefore, not be assumed that any such information or opinion continues to be accurate subsequent to the date of the document. This is especially true in the case of any forecasts presented in this document. Such forecasts were prepared using, and are reliant upon, the data, information or statements supplied to us. Some of the assumptions used to develop the forecasts may not be realized and unanticipated events and circumstances may occur. Differences between forecasts and actuality may be material. While we consider that the information and opinions given in this document are sound all parties must rely on their own skill and judgement when making use of it.

Through receipt of this document you agree to be bound by this disclaimer. This disclaimer and any issues, disputes or claims arising out of or in connection with it shall be governed by, and construed in accordance with, the laws prevailing for the contract between us and the Client who commissioned it.

Contents

Page

List of Tables

Page

List of Figures

Page

1 Executive Summary

Landrum & Brown (L&B) have reviewed the proposed development for compliance with relevant national (federal) and / or local regulations as shown below for the purposes of preparing this Aeronautical Impact Assessment (AIA).

L&B's review has reached the conclusions set out in the following pages. Full information on the assessment approach leading to the development of the conclusions is contained with the body of this report.

Name of Proposed Development:	Western Green Energy Hub
Location / Address of Proposed Development:	North of the Eyre Highway and South of the Trans-Australian railway line, between Madura and Eucla in WA.
Name of Developer / Project Proponent:	WGEH Pty Ltd

1.1 Aeronautical Impediments to the Proposed Development

In L&B's opinion the following aeronautical / action related impediments exist in relation to the proposed development:

- Lowest Safe Altitude (LSALT) and Grid Lowest Safe Altitude (GRID LSALT) infringements.
- Infringe OLS surface of Forrest aerodrome.
- Infringe WTGs Wind Turbulence
- The proposed development infringes the VFR of three uncertified aerodromes / landing grounds.

In L&B's opinion the developer should undertake the following actions upon receipt of this report:

- Need to advise RAAF, Airservices and CASA of the WTG heights and final locations.
- There is a need to either remove, relocate or lower the infringing WTGs, or seek a raising of the LSALT from Airservices.
- Within 6km of Forrest aerodrome, there is a need to either remove, relocate or lower the infringing WTGs to ensure that there is no penetration of the OLS.
- Consultation with the aerodrome owner / operator and those that operate from the facility must be undertaken to ensure that they are aware of the potential for unusual turbulence arising from the proposed development
- Consultation with the operator / landowner is required to obtain their agreement to the proposed development. It may be necessary

to either remove, relocate or lower the infringing WTGs
- Marking and lighting of the WTGs is required

1.2 Basis of L&B's Opinion

L&B's review as presented in this report has been based on information provided by the developer / project proponent as set out in this report. Should the proposed development alter from that set out in this report then the findings of the report may be subject to change. Particular attention should be paid to any changes in size, scale, nature and location of the proposed development.

1.2.1 Key Assessment Input Information

In addition to the location information shown above the following key inputs from the Developer / Project Proponent were relied upon in undertaking the assessment described in this report.

Number of WTGs:	3734
Highest WTG Height (m AHD) and number.:	290m, 3734

1.3 Conclusions: National Airports Safeguarding Framework (NASF)

Assessment Principle	Conclusion / Action	Reference Page / Section
NASF Guideline D: Managing the Risk of Wind Turbine Farms as Physical Obstacles to Air Navigation	Need to advise RAAF, Airservices and CASA of the WTG heights and final locations.	Page: 11 Section: 4.2.2.3
	There is a need to either remove, relocate or lower the infringing WTGs, or seek a raising of the LSALT from Airservices.	Page: 12 Section: 4.2.2.4
	Within 6km of Forrest aerodrome, there is a need to either remove, relocate or lower the infringing WTGs to ensure that there is no penetration of the OLS.	Page: 13 Section: 4.2.2.5
	The penetration of the PANS-OPS surfaces for the Forrest airport are significant. There is a need to either remove, relocate or lower the infringing WTGs to ensure that there is no penetration of the PANS-OPS.	Page: 13 Section: 4.2.2.6
	The proposed development infringes the VFR of three uncertified aerodromes / landing grounds. Consultation with the operator / landowner is required to obtain their agreement to the proposed development. It may be necessary to either remove, relocate or lower the infringing WTGs.	Page: 16 Section: 4.2.2.7

	Consultation with the aerodrome owner / operator and those that operate from the facility must be undertaken to ensure that they are aware of the potential for unusual turbulence arising from the proposed development. Marking and lighting of the WTGs is required.	Page: 19 Section: 4.2.2.8 Page: 20 Section: 4.2.2.9
NASF Guideline F: Managing the Risk of Intrusions into the Protected Airspace of Airports	No additional impacts over those provided in Guideline D.	Page: 21 Section: 4.3
NASF Guideline G: Protecting Aviation Facilities – Communication, Navigation and Surveillance (CNS)	No impact.	Page: 23 Section: 4.4.2
NASF Guideline H: Protecting Strategically Important Helicopter Landing Sites (HLS)	No impact.	Page: 24 Section: 4.5.2

2 Introduction

WGEH has asked L&B Worldwide Australia Pty Ltd (L&B / Landrum & Brown) to prepare an Aeronautical Impact Assessment (AIA) report for the proposed development; Western Green Energy Hub (WGEH) located north of the Eyre Highway and south of the Trans-Australian railway line, between Madura and Eucla, in Western Australia.

The location, elevation and proposed form information for the proposed development are shown in Section 3.

This report considers:

- National Airports Safeguarding Framework Principles and Guidelines (NASF).
  - Guideline D: Managing the Risk of Wind Turbine Farms as Physical Obstacles to Air Navigation
  - Guideline F: Managing the Risk of Intrusions into the Protected Airspace of Airports
  - Guideline G: Protecting Aviation Facilities – Communication, Navigation and Surveillance (CNS)
  - Guideline H: Protecting Strategically Important Helicopter Landing Sites (HLS)

3 Location and Proposed Form of the Proposed Development

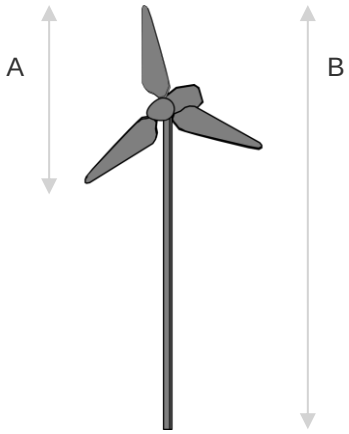
3.1 Location

The location of the proposed development is shown in Figure 1 below. Terrain elevations at proposed WTG sites vary between 84 m and 190 m AHD. The maximum height from ground level to the tip of proposed WTGs is 290m (AGL)will therefore vary from 374 m to 480 m (1227 ft to 1575 ft) AHD.

Figure 1 Location of Proposed Development (Google Earth)

3.2 Proposed Form

The form (key elevation) of the proposed development is shown in Figure 2 below.



A = Rotor Blade Diameter = 200 m

Maximum Tip Height (Above Ground Level): 290 m

Figure 2 Form (Elevation) of Proposed Development (L&B using client information)

The proposed Wind Farm is assumed to comprise 3734 WTGs with the maximum height to the tip of an upright vertical WTG blade of 290 m above ground level (AGL).

The table shown in Appendix A sets out the information provided to L&B on the location of the individual wind turbine generators (WTGs) in the proposed development. WTGs will be micro-sited post-Development Consent during the optimisation, detailed design, and construction phase programming. No WTG will be moved more than 100 m from the relevant Geographical Positioning System (GPS) coordinates shown in Appendix A.

4 NASF Requirements and Assessment

4.1 Introduction to NASF

The National Airports Safeguarding Framework (NASF) is issued by the Department of Infrastructure, Transport, Regional Development and Communications. The stated purpose of the NASF is to "enhance the current and future safety, viability and growth of aviation operations, by supporting and enabling:

- The implementation of best practice in relation to land use assessment and decision making in the vicinity of airports and strategic helicopter landing sites;
- Assurance of community safety and amenity near airports and strategic helicopter landing sites;
- Better understanding and recognition of aviation safety requirements and aircraft noise
- Impacts in land use and related planning decisions;
- The provision of greater certainty and clarity for developers and land owners;
- Improvements to regulatory certainty and efficiency; and
- The publication and dissemination of information on best practice in land use and related planning that supports the safe and efficient operation of airports and strategic helicopter landing sites."

L&B uses the NASF to provide a baseline for the consideration of safeguarding issues in Australia under a common framework. This aligns with the Departments view that the NASF should "drive improvements in planning outcomes consistently across all jurisdictions, and contribute to the improvement of the safety and viability of aviation in Australia."

The following sections set out the requirements under NASF and the impact assessment related to the proposed development.

4.2 Guideline D: Managing the Risk of Wind Turbine Farms as Physical Obstacles to Air Navigation

This guideline principally provides recommendations to local planning authorities and proponents of wind farm developments on the implementation of policies to limit the impact of such development on aircraft operations. The "requirements" set out below are extracted from those recommendations.

4.2.1 Requirements

4.2.1.1 Basic and General Requirements

- Siting of wind turbines in the vicinity of aerodromes is strongly discouraged, as these tall structures can pose serious hazards to aircraft taking-off and landing. Identify any certified and uncertified aerodromes within 30km of a proposed wind turbine.
- Notify Airservices and CASA when wind turbines 150 metres and over (above ground level) are to be built within 30 kms of a certified or registered aerodrome.
- Notify Defence when wind turbines 150 metres and over (above ground level) are to be built within 30 kms of a Defence aerodrome.
- Notify RAAF AIS of all tall structures meeting the following criteria:
  - 30 metres or more above ground level for structures within 30km of any aerodrome; or
  - 45 metres or more above ground level for structures located elsewhere.

4.2.1.2 Marking and Lighting

- Undertake a risk assessment to consider the merits of installing obstacle marking and / or lighting.

- The risk assessment should determine whether or not a proposed structure will be a hazardous object. L&B consider the OLS, PANS-OPS, VFR and LSALT surfaces to undertake the risk assessment.
- Note: Regardless of the risk assessment, CASA may determine, and subsequently advise that the structure(s) have been determined as:
  - hazardous, but that the risks to aircraft safety would be reduced by the provision of approved lighting and/or marking; or
  - hazardous and should not be built, either in the location and/or to the height proposed as an unacceptable risk to aircraft safety will be created; or
  - not a hazard to aircraft safety.
- Marking and lighting should be provided in line with Guideline D and best practice.

4.2.1.3 Wind Turbulence

- Consider the impact, and raise awareness, of the fact that wind turbines may create turbulence which is noticeable up to 16 rotor diameters from the turbine.
- Ensure that this risk (as part of general corporate duty of care) is communicated to aviation operators in the vicinity of the wind farm.
- Note: CASA may also raise awareness of this risk with representatives of aerial agriculture, sport aviation and general aviation.

4.2.1.4 Wind Monitoring Towers / Masts

- Consider Wind Monitoring Towers / Masts as part of the proposed development.
- Take account of the fact that Wind Monitoring Towers/ Masts are very difficult to see from the air due to their slender construction and guy wires. This is a particular problem for low flying aircraft including aerial agricultural operations.
- Marking and lighting should be provided in line with Guideline D and best practice.

4.2.2 Assessment and Conclusions

4.2.2.1 Assessment Flow Diagram

L&B undertakes assessments for the requirements set out in section 4.2.1 using the following flow diagram process.

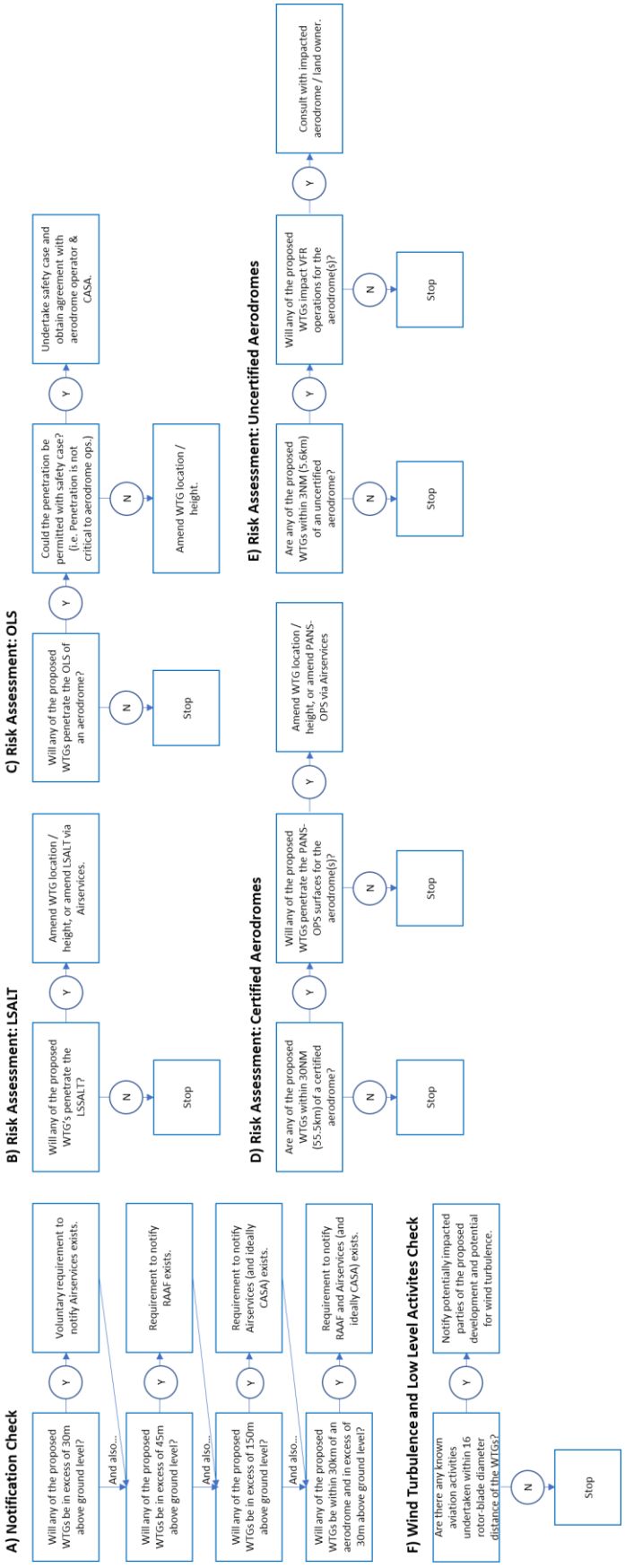


Figure 3 L&B Assessment Flow Diagram (L&B)

4.2.2.2 Aerodrome Identification

There are 8 aerodromes shown on Aeronautical Charts around the proposed development as detailed in the table and figure below.

Aerodrome/Landing Ground	Distance from Wind Farm Boundary (km)	Status	Instrument Approach Procedures Apply
Loongana	0.78 km	Verified	No
Forrest	1.44 km	Certified	Yes
Border Village	9.23 km	Verified	No
Hughes Siding	49.17 km	Verified	No
Haig	49.9 km	Verified	No
Chadwick	132.72 km	Verified	No
Nullarbor Motel	178.8 km	Verified	No
Caiguna	63.1 km	Unverified	No

Table 1 List of Aerodromes in the Vicinity of Proposed Development

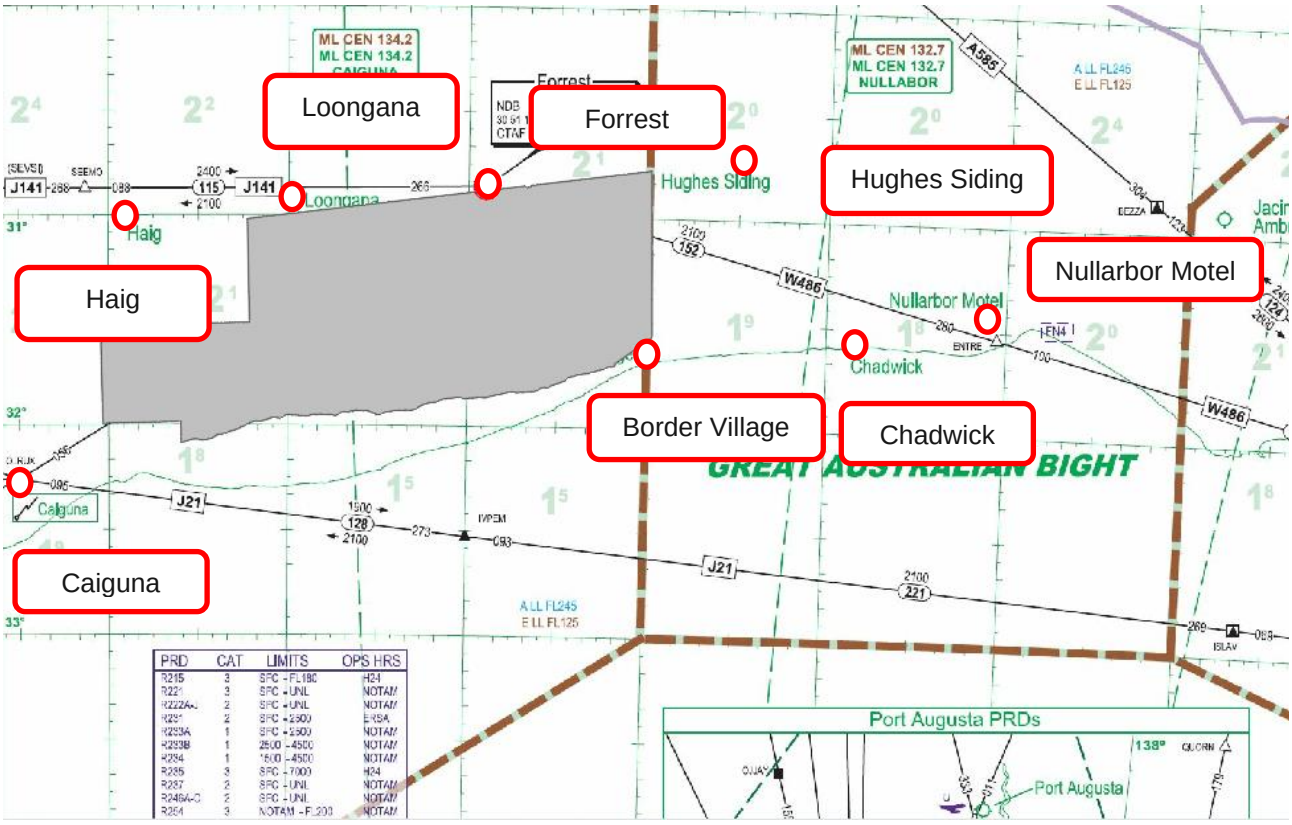


Figure 4 Location Aerodromes in the Vicinity of Proposed Development (Airservices with L&B modifications)

In addition to those aerodromes published in the Aeronautical Information Publication (AIP), there are few other privately-owned airstrips in the area that are not published. The owners of these airstrips and the pilots that use them are responsible for ensuring that the condition of the airstrip and the surrounding terrain and

obstacle environment are suitable for the safe operation of the aircraft using them. We have reviewed the information on www.nationalmap.gov.au and have identified the following landing grounds in the vicinity of the proposed development. Note: The ownership of the landing grounds is not easily discoverable from public data sources.

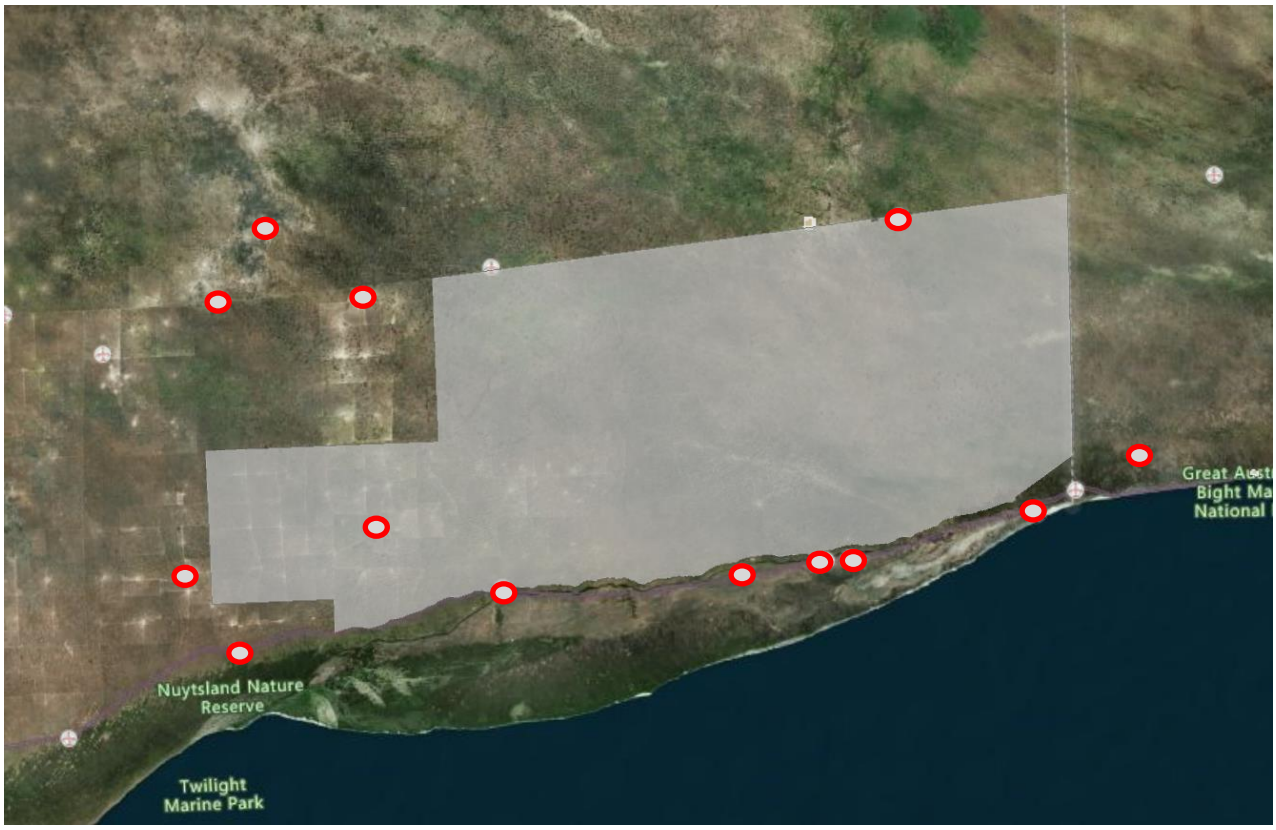


Figure 5 Location of Landing Ground in the Vicinity of Proposed Development (nationalmap.gov.au with L&B modifications)

4.2.2.3 Basic Notification Checks

The proposed WTGs exceed 30m in height.

The proposed WTGs exceed 45m in height.

There are proposed WTGs that exceed 150m in height.

There are proposed WTGs that exceed 30m in height within 30km of the following aerodromes; Loongana, Forrest and Border Village.

Conclusion:	The proposed development should be notified to Airservices after approval to construction is given. This can be done by submitting this form: https://www.airservicesaustralia.com/wp-content/uploads/Tall-Structure-Vertical-Obstacle-Form.pdf The location of approved WTGs needs to be advised to RAAF. This can be done via this link: https://ais-af.airforce.gov.au/vertical-obstruction-assessment. It is recommended to advise RAAF during the planning process. The location of WTGs needs to be advised to Airservices (and ideally CASA) as part of the planning approval process. They should be provided with a copy of this report. This

	can be done by submitting this form: https://www.airservicesaustralia.com/wp-content/uploads/Tall-Structure-Vertical-Obstacle-Form.pdf Information on these notification processes can be found in CASA advisory circular 'AC 139-08(0) Reporting of Tall Structures' (https://www.casa.gov.au/sites/default/files/2021-12/advisory-circular-139e-01-reporting-of-tall-structures.pdf)

4.2.2.4 Risk Assessment: LSALT

Each designated instrument flight rules (IFR) air route has a published Lowest Safe Altitude (LSALT) which is the lowest altitude that an IFR aircraft can fly on that route without having visual reference to the ground or water. It allows such aircraft with technical problems to descend to a lower level, while maintaining a prescribed safety margin above obstacles and terrain. The LSALT for each route is determined by assessing the highest terrain or obstacle within each route segment protection area, usually 5nm laterally either side of the route centreline. A minimum obstacle clearance (MOC) margin of 1000ft is applied to the highest point and then rounded up to the next 100ft interval. Grid LSALTs apply over the whole of Australia and are shown in the AIP.

The table below shows the results of a comparison of proposed wind turbine generators (WTGs) heights against the IFR Air Routes and / or Grid LSALTs in the vicinity of the proposed development.

Air Route & Segment / Grid LSALT Considered	Height of LSALT (ft AHD)	Infringements of LSALT	Likely LSALT Result
J141 Forrest to SEEMO	2100 / 1100	All	Fail
J141 SEEMO to Forrest	2400 / 1400	WTGs with a height above around 427m AHD	Fail
W486 Forrest to OLRUX	2100 / 1100	All	Fail
W486 OLRUX to Forrest	2100 / 1100	All	Fail
W486 Forrest to ENTRE	2100 / 1100	All	Fail
W486 ENTRE to Forrest	2100 / 1100	All	Fail
GRID of south of 31° east of 128°	2100 / 1100	All	Fail
GRID of south of 32° east of 126°	2100 / 1100	All	Fail
GRID of south of 32° east of 127°	2100 / 1100	All	Fail
GRID of south of 32° east of 128°	1900 / 900	All	Fail
GRID of south of 32° east of 126°	1800 / 800	All	Fail
GRID of south of 31° east of 131°	2100 / 1100	All	Fail

Table 2 Air Routes LSALT Impact

More of the proposed WTGs infringe an LSALT.

Conclusion:	Due to the infringement of the LSALT there is a need to either remove, relocate or lower the infringing WTGs, or seek a raising of the LSALT from Airservices. L&B recommends that Airservices are provided with a copy of this report and their view on the possibility of raising the LSALT sought. This can be done via email to Airport.Developments@AirservicesAustralia.com.

4.2.2.5 Risk Assessment: OLS

Protection of airspace around any certified aerodrome / airport is safeguarded by declaring an 'Obstacle Limitation Surface' (OLS). The shape of airspace protected by the OLS has been designed in accordance with international standards that are based on criteria such as runway direction and elevation. The OLS sets height limits of objects around an airport. Setting height limits for objects around the Airport ensures that the airspace is maintained free from obstacles so as to:

- Permit aircraft operations to be conducted safely; and
- Prevent the Airport from becoming unusable by the growth of obstacles around the Airport.

Development that intrudes into the OLS should be avoided. Where a proposed development penetrates the OLS it must be reported to CASA.

The proposed WTGs penetrate the OLS for Forrest aerodrome. The infringement is approximately 250 m. In L&B's opinion the penetration is significant and amendments to the proposed development should be made.

Conclusion:	The penetrations of the OLS for Forrest airport are significant. Within 6km of Forrest aerodrome, there is a need to either remove, relocate or lower the infringing WTGs to ensure that there is no penetration of the OLS.

4.2.2.6 Risk Assessment: Certified Aerodromes

Certified aerodromes have flight protection (PANS-OPS) surfaces associated with them. The PANS OPS surfaces associated with a 25 nm Minimum Safe Altitude (MSA) include a 5 nm buffer and therefore exist out to a maximum of 55.5 km (30 nm) from an airport with instrument approach procedures.

The nearest certified aerodrome Forrest is 1.44 km away, within the 30nm (55.5 km) MSA. PANS OPS analysis has been required. In L&B's opinion the penetration is significant and amendments to the proposed development should be made.

Airport/Approach Procedure Name	PANS OPS Surface Altitude (ft)	Infringements of LSALT	Likely LSALT Result
25 nm MSA	2000 / 1000	All	Fail
10 nm MSA	1800 / 800	All	Fail

Table 3 PANSOPS Surface and Impacts

WTGs will fail within NDB 08 approach surface and miss approaches. The lowest point will be 934 ft (284.7 m). Infringe the NDB 08 procedure. Shown in Figure 6.

WTGs will fail within RNP 08 miss approach surface, the lowest point will be 729 ft (222.2 m). shown in Figure 7.

WTGs will fail within RNP 27 holding area, initial approach, final approach and miss approach surface, the lowest point will be 729 ft (222.2 m). shown in Figure 8.

WTGs will fail with GNSS Arrival initial Approach and miss approach, the lowest point will be 1000 ft (304.8 m).

The Lowest PANOPS height can only be 222.2m in some area.

Figure 6 Forrest NDB 08 Approach (Source: Google Map & L&B Drawing)

Figure 7 Forrest RNP 08 Approach (Source: Google Map & L&B Drawing)

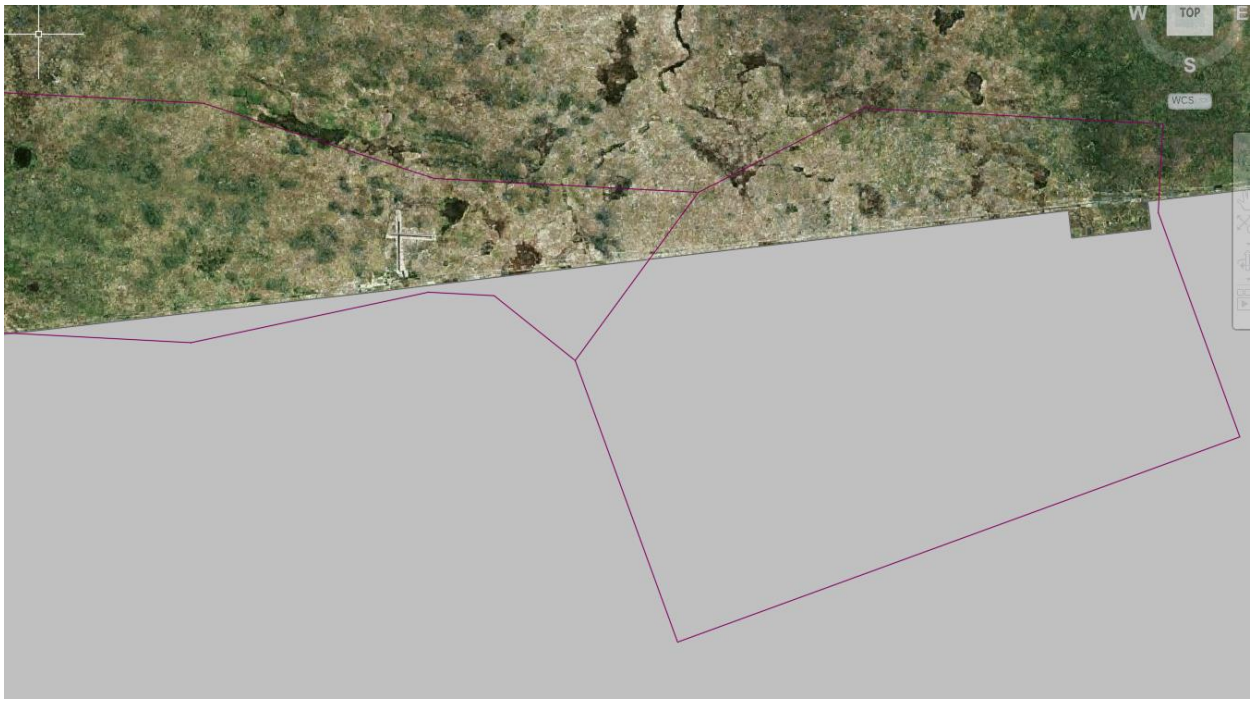


Figure 8 Forrest RNP 27 Approach (Source: Google Map & L&B Drawing)

Conclusion:	The penetration of the PANS-OPS surfaces for the Forrest airport are significant. There is a need to either remove, relocate or lower the infringing WTGs to ensure that there is no penetration of the PANS-OPS. It may be possible for the airport to amend its PANS-OPS surfaces but this will require redesign of the airspace. Consultation with the airport operator and Airservices will be required.

4.2.2.7 Risk Assessment: Uncertified Aerodromes

Pilots operating at uncertified aerodromes need to ensure that they consider local conditions and hazards to ensure that their flight is conducted to the safety standards required under Civil Aviation Regulation 91-10 v1.1 which states:

> *"Pilots should be aware that contemporary jet and large turbo-prop aircraft are increasingly capable of using short runways of varying surfaces. More typically, however, runways of 1 400 m or more in length can accommodate jet or large turboprop aircraft operations. Runway lengths are published in the ERSA.* Pilots of air transport operations and other professional operations should be aware that, at many of the aerodromes they operate into, other general aviation aircraft, gliders and ultralight aircraft may also be operating.*"*

CASA provide guidance - AC 91-10 v1.1 – *Operations in the vicinity of non-controlled aerodromes*. This AC provides guidance on procedures that, when followed, will improve situational awareness and safety for all pilots when flying at, or in the vicinity of, non-controlled aerodromes.

Illustrations of the standard aerodrome traffic circuit procedures are provided in Figure 9 and Figure 10. For the purposes of analysis the following dimensions are adopted for the Aerodrome Traffic Circuit and associated risk assessment; Crosswind and Base legs are 1NM (1852m), and the Downwind leg is circa 2NM plus the length of the runway. The circuit is considered for both sides of the runway to allow for different approach directions. This addresses the factors shown in the figures below.

AC 91-10 v11 paragraph 7.10.1 makes reference to a distance that is "normally" well outside the circuit area and where no traffic conflict exists, which is at least 3 nm (5556 m).

> "*Aircraft should depart the aerodrome circuit area by extending one of the standard circuit legs or climbing to depart overhead. However, the aircraft should not execute a turn to fly against the circuit direction unless the aircraft is well outside the circuit area and no traffic conflict exists. This will normally be at least 3 NM from the departure end of the runway, but may be less for aircraft with high climb performance. In all cases, the distance should be based on the pilot's awareness of traffic and the ability of the aircraft to climb above and clear of the circuit area."*

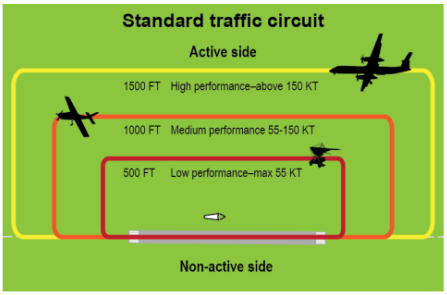


Figure 9 standard circuit heights

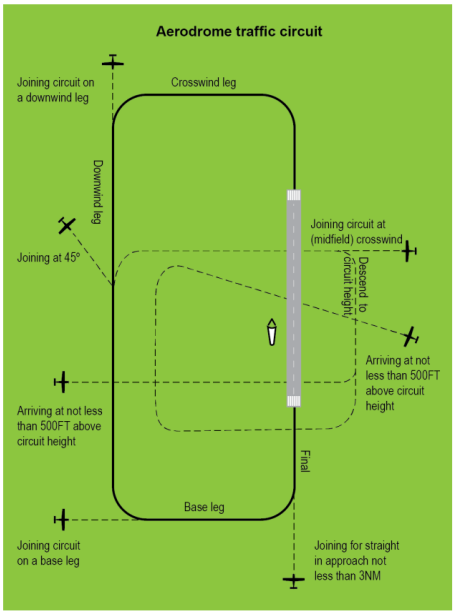


Figure 10 Aerodrome standard traffic circuit, showing arrival and join procedures

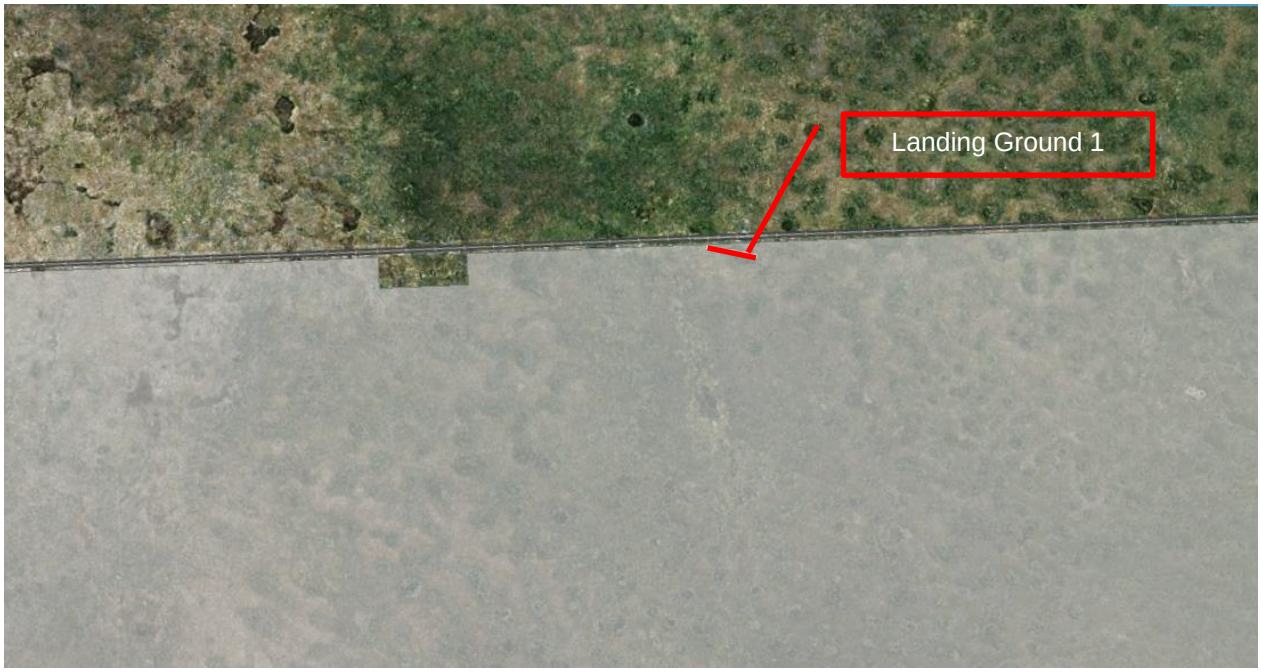


Figure 11 Aerodrome Traffic Circuit – Landing Ground 1 (L&B)

Figure 12 Aerodrome Traffic Circuit – Moonera Station (L&B)

Figure 13 Aerodrome Traffic Circuit – Madura Landing Ground (L&B)

There are few landing grounds are within the boundary of Western Green Energy Hub, shown in Figure 11 and Figure 13. WTGs are within the Aerodrome Traffic Circuit. Will have impact on the landing ground.

Conclusion:	The proposed development infringes the VFR of three uncertified aerodromes / landing grounds. Consultation with the operator / landowner is required to obtain their agreement to the proposed development. It may be necessary to either remove, relocate or lower the infringing WTGs.

4.2.2.8 Wind Turbulence and Low Level Activities Check

Under regulation pilots must fly at a minimum height of 1000 ft over cities or populous areas and can fly as low as 500 ft in other areas. Pilots must consider objects and maintain a height of 500 ft above known obstacles. Pilots are permitted to descend below these altitudes during take-off and landing manoeuvres to/from an aerodrome, and subject to approval, some pilots may fly below 500 ft for operations such as;

- Specialist flying activities (e.g. crop-dusting, cattle mustering, pipeline or powerline inspection, firefighting)
- search and rescue operations (incl medivac), and
- military low-level flying operations.

In addition other airspace users may make use of low altitude airspace. E.g. hot air ballooning and glider flying.

A potential direct physical impact of WTGs on aviation is that of turbulence induced by the turning of the turbine blades. This can potentially be noticeable up to 16 rotor diameters (turbine blade diameters) down-wind of the wind farm.

The proposed development is assumed to have WTGs with a rotor diameter of 200 m. This means that potential turbulence could exist up to 3200 m from the outermost WTGs of the proposed development. Figure 14 shows the 16 diameter radius of influence from the outermost WTGs for the proposed development.

Figure 14 Wake Turbulence Area of Influence (L&B)

Three aerodromes are within the 3200m radius of the outermost WTGs of the proposed development, and one is within the WTG area.

From review of the local area (via internet sources), it is possible that low level aviation activities (including; crop-dusting, cattle mustering, pipeline inspection, powerline inspection, firefighting, search & rescue) could occur in the vicinity of the proposed development and within the 3200 m radius of the outmost WTGs.

Conclusion:	Consultation with the aerodrome owner / operator and those that operate from the facility must be undertaken to ensure that they are aware of the potential for unusual turbulence arising from the proposed development. Note: CASA may choose to also undertake this consultation in addition to any consultation undertaken by the project proponent. Consultation with impacted landowners (e.g. farmers) and aviation operators (spraying firms, gliding operators, etc) must be undertaken to ensure that they are aware of the potential for unusual turbulence arising from the proposed development. Note: CASA may choose to also undertake this consultation in addition to any consultation undertaken by the project proponent. As the proposed development is in a regional area, L&B draws the project proponents attention to Australasian Fire and Emergency Service Authorities Council documentation; https://www.afac.com.au/docs/default-source/doctrine/afac_doctrine_windfarmsbushfiresoperations_position_2019-08_04-v1-0.pdf

4.2.2.9 Marking and Lighting of the Proposed Development

The following section sets out L&B's recommendations in regard to marking and lighting. It must be noted that regardless of L&B's risk assessment documented in this report, CASA may determine, and subsequently advise that the structure(s) have been determined as:

- Hazardous, but that the risks to aircraft safety would be reduced by the provision of approved lighting and/or marking; or
- Hazardous and should not be built, either in the location and/or to the height proposed as an unacceptable risk to aircraft safety will be created; or
- Not a hazard to aircraft safety.

Should CASA make such an assessment they may impose marking and lighting requirements.

Conclusion:	Rotor blades, nacelle and upper 2/3 of the supporting mast of wind turbines that are 150 metres and over (above ground level) should be painted white to contrast against the natural background. L&B does not recommend use of a risk assessment / aeronautical study to propose a colour other than white as the majority of WTGs are white and therefore alternative colours could be confusing. The WTGs that penetrate the OLS (Refer to section 4.2.2.5) should be provided with a light meeting ICAO Annex 14 requirements; Steady red colour medium intensity light of 2000 candela. The WTGs that penetrate the Aerodrome Traffic Circuit (Refer to section 4.2.2.7) should be provided with a light meeting ICAO Annex 14 requirements; Steady red colour medium intensity light of 2000 candela. This could potentially be reduced to 200 candela subject to discussion with CASA. However, if the aerodrome is not used for night VFR operations then the need for lighting could be reviewed.

	WTGs over 150m should reasonably be considered as potential hazards to aviation. Lighting should be provided as part of the proponent's duty of care. ICAO Annex 14 states that obstacles outside of a built-up area, should be equipped with 2000 candela medium intensity obstacle lights. However, CASA note that they have accepted the use of 200 candela lighting in some circumstances due to a lack of back lighting in regional and rural areas. Such lower intensity light being still visible to pilots at an acceptable distance to permit a pilot to see and avoid the obstacle. Lighting may be shielded to reduce the impact on local residents etc without detriment to the aviation safety purpose. Wind monitoring towers / masts associated with the proposed development should be marked and light. The following are recommended; • The top 1/3 of the towers / masts should be painted in alternating contrasting bands of colour (white / orange), • Marker balls or high visibility flags or high visibility sleeves should be placed on any outside guy wires • Ensure that the guy wire ground attachment points have contrasting colours to the surrounding ground/vegetation, • A flashing strobe light during daylight hours, and / or • A steady red light during hours of darkness if the tower / mast is in the vicinity of possible night VFR operations. Should the wind monitoring tower / mast be within the boundary of the proposed development in close proximity to the WTGs then the marking and lighting requirement could be adjusted.

4.3 Guideline F: Managing the Risk of Intrusions into the Protected Airspace of Airports

This guideline principally provides guidance to State/Territory and local government decision makers as well as airport operators to jointly address the issue of intrusions into the operational airspace of airports by tall structures, such as buildings and cranes, as well as trees in the vicinity of airports.

In the context of the proposed development all issues covered by Guideline F are also covered by Guideline D. This report does not therefore detail out Guideline F.

4.4 NASF Guideline G: Protecting Aviation Facilities – Communication, Navigation and Surveillance (CNS)

To guideline provides land use planning information to enable protection of CNS facilities which support the systems and processes in place by Airservices Australia (Airservices), the Department of Defence (Defence) or other agencies under contract with the Australian Government, to safely manage the flow of aircraft into, out of and across Australian airspace.

4.4.1 Requirements

- To consider if the proposed development (or any part therefore) is within the Building Restricted Area (BRA) of any Airservices or Defence CNS equipment and what notification requirements exist. The full details for each type of CNS facility are extensive and are provided in Attachment 3 to Guideline G.
- CNS equipment provides one or more of the following;
  - Communications to or from aircraft; or

- Communications to or from centres established for air traffic control; or
- Navigational aids; or
- Surveillance systems

- Generally, a BRA should be kept clear of permanent or temporary:
  - Obstructions (e.g. buildings, other structures or trees) to the 'line of sight' between transmitting and receiving devices;
  - Objects (e.g. wind turbines) which act as reflectors or deflect signals used by aviation facilities;
  - radio frequency interference;
  - Electromagnetic emissions (e.g. such as those emitted by arc welding associated with steel fabrication); or
  - Plume rises (as defined in the Airports (Protection of Airspace) Regulations 1996.

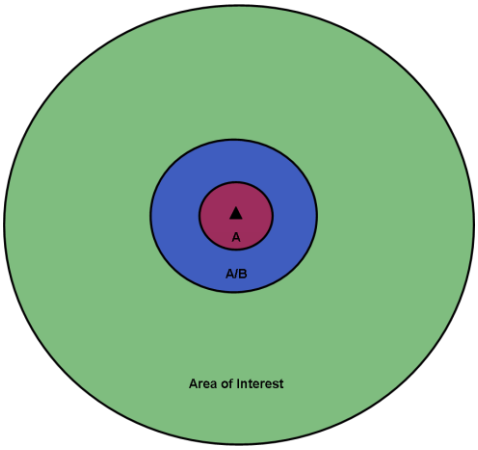


Figure 15 Two dimensional representation three dimensional zones in BRA (Guideline G)

Facility Type	Zone A (metre radius)	Zone A/B (metre radius)	Area of Interest (metre radius)
High Frequency (HF)	0 – 100	100 – 6000	6000 - 10000
Very High Frequency (VHF)	0 – 100	100 – 600	100 – 2000
Satellite Ground Station (SGS)	0 - 30	30 - 150	n/a
Non-Directional Beacon (NDB)	0 – 60	60 – 300	n/a
Distance Measuring Equipment (DME)	0 – 100	100 – 1500	n/a
VHF Omni-Directional Range (VOR)	0 – 100	100 – 1500	n/a
Conventional VHF Omni-Directional Range (CVOR)	0 – 200	200 – 1500	n/a
Doppler VHF Omni-Directional Range (DVOR) - Elevated	0 – 100	150 – 1500	n/a
Doppler VHF Omni-Directional Range (DVOR) – Ground Mounted	0 – 150	150 – 1500	n/a
Middle and Outer Marker	0 – 5	5 – 50	n/a
Glide path	n/a	n/a	n/a
Localiser	n/a	n/a	n/a
Automatic Dependent Surveillance Broadcast (ADS-B)	0 – 100	100 – 1500	n/a
Wide Area Multilateration (WAM)	0 - 100	100 - 1500	n/a

Primary Surveillance Radar (PSR)	0 – 500	500 – 4000	4000 – 15000
Secondary Surveillance Radar (SSR)	0 – 500	500 – 4000	4000 – 15000
Ground Based Augmentation System (GBAS) - RSMU	0-155	155-3000	n/a
GBAS - VDB	0-200	200-3000	n/a
Link Dishes	30m		
Radar Site Monitor – Type A	30m	0 – 500	n/a
Radar Site Monitor – Type B	70m	0 – 500	n/a

Table 4 Summary of BRA for CNS Facilities (Guideline G)

4.4.2 Assessment and Conclusions

4.4.2.1 Airport CNS Equipment

There are 8 aerodromes shown on Aeronautical Charts around the proposed development as detailed in the table below.

Aerodrome/Landing Ground	Distance from Wind Farm Boundary (km)	Status	CNS Facilities at Aerodrome	Guideline G CNS Zone
Loongana	0.78 km	Verified	No	None
Forrest	1.44 km	Certified	Yes	None
Border Village	9.23 km	Verified	No	None
Hughes Siding	49.17 km	Verified	No	None
Haig	49.9 km	Verified	No	None
Chadwick	132.72 km	Verified	No	None
Nullarbor Motel	178.8 km	Verified	Yes	None
Caiguna	63.1 km	Unverified	Yes	None

Table 5 List of Aerodromes in the Vicinity of Proposed Development

The systems shown above do not give rise to any CNS concerns or need for notification.

Conclusion:	No action in respect of CNS equipment at aerodromes is required.

4.4.2.2 Non-Airport CNS System Identification

There are no CNS facilities shown in public data around the proposed development. There did not give rise to any CNS concerns or need for notification.

Conclusion:	No action in respect of CNS equipment at aerodromes is required.

4.5 NASF Guideline H: Protecting Strategically Important Helicopter Landing Sites (HLS)

The purpose of this document is to protect important Helicopter Landing Sites (HLS) from infringements. An HLS is a specific nominated area (not located on an aerodrome) wholly or partly used for the arrival or departure of helicopters for strategically important purposes.

4.5.1 Requirements

- Development that infringes the height limits of the HLS are not permitted.
- Any development that exceeds the heights shown in Figure 16, which is consistent with the highest level of HLS classification (Performance Class 1), must be referred to the asset owner and CASA.
- Any development within the Referral Trigger zone or above 100m height (above ground level) needs to be light with a steady low intensity light.
- Windshear and turbulence impact on HLS should be considered. (L&B uses the wind turbulence information from Guideline B for this purpose.)

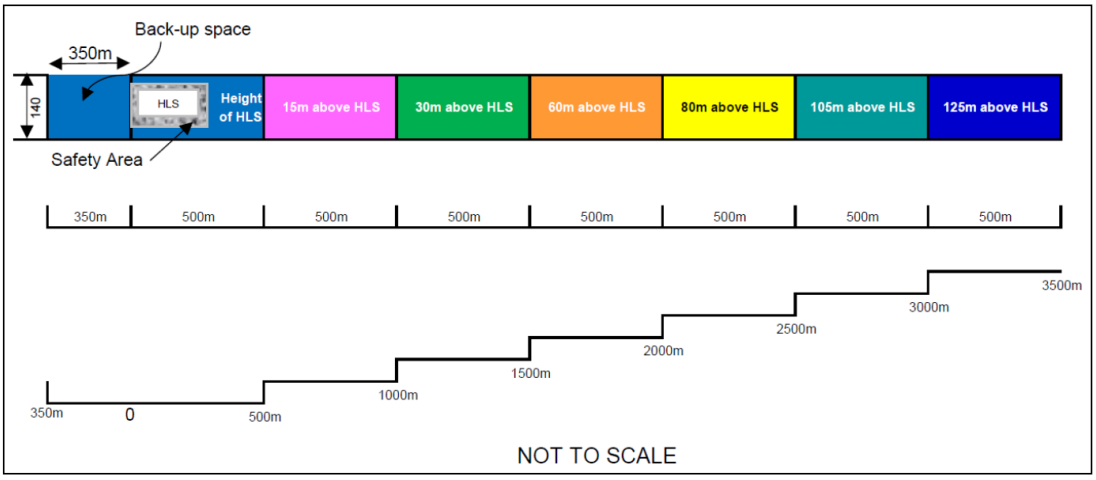


Figure 16 Referral Trigger for SHLS (Guideline H)

4.5.2 Assessment and Conclusions

The proposed development is located more than 3.5km from any relevant helicopter landing sites.

Conclusion:	No action in respect of HLS is required.

Appendix A – WTG information

WTG ID	Longitude	Latitude	Max WTG Tip Height AGL(m)	Site Elevation AHD (m)	WTG AHD(m)	WTG AHD(ft)
1	128.998	-30.7693	290	160	450	1476.36
2	128.998	-30.7902	290	155	445	1459.96
3	128.9703	-30.7902	290	155	445	1459.96
4	128.9427	-30.7902	290	165	455	1492.76
5	128.9151	-30.7901	290	165	455	1492.76
6	128.8874	-30.7901	290	165	455	1492.76
7	128.8598	-30.7901	290	160	450	1476.36
8	128.8322	-30.7901	290	160	450	1476.36
9	128.998	-30.811	290	155	445	1459.96
10	128.9703	-30.811	290	160	450	1476.36
11	128.9427	-30.811	290	164	454	1489.48
12	128.9151	-30.811	290	162	452	1482.92
13	128.8874	-30.811	290	160	450	1476.36
14	128.8598	-30.811	290	160	450	1476.36
15	128.8321	-30.8109	290	165	455	1492.76
16	128.998	-30.8319	290	156	446	1463.24
17	128.9703	-30.8319	290	160	450	1476.36
18	128.9427	-30.8319	290	160	450	1476.36
19	128.915	-30.8319	290	160	450	1476.36
20	128.8874	-30.8319	290	160	450	1476.36
21	128.8597	-30.8318	290	160	450	1476.36
22	128.8321	-30.8318	290	161	451	1479.64
23	128.998	-30.8528	290	155	445	1459.96
24	128.9703	-30.8528	290	155	445	1459.96
25	128.9427	-30.8528	290	155	445	1459.96
26	128.915	-30.8528	290	155	445	1459.96
27	128.8874	-30.8527	290	160	450	1476.36
28	128.8597	-30.8527	290	160	450	1476.36
29	128.8321	-30.8527	290	155	445	1459.96
30	128.998	-30.8737	290	155	445	1459.96
31	128.9703	-30.8736	290	155	445	1459.96
32	128.9427	-30.8736	290	152	442	1450.11

33	128.915	-30.8736	290	155	445	1459.96
34	128.8873	-30.8736	290	158	448	1469.80
35	128.8597	-30.8736	290	160	450	1476.36
36	128.832	-30.8735	290	155	445	1459.96
37	128.998	-30.8945	290	150	440	1443.55
38	128.9703	-30.8945	290	151	441	1446.83
39	128.9426	-30.8945	290	155	445	1459.96
40	128.8873	-30.8945	290	155	445	1459.96
41	128.8596	-30.8944	290	155	445	1459.96
42	128.832	-30.8944	290	155	445	1459.96
43	128.998	-30.9154	290	150	440	1443.55
44	128.9703	-30.9154	290	150	440	1443.55
45	128.9426	-30.9154	290	154	444	1456.68
46	128.8873	-30.9153	290	154	444	1456.68
47	128.8596	-30.9153	290	155	445	1459.96
48	128.8319	-30.9153	290	156	446	1463.24
49	128.998	-30.9363	290	148	438	1436.99
50	128.9703	-30.9363	290	150	440	1443.55
51	128.9426	-30.9363	290	150	440	1443.55
52	128.9149	-30.9362	290	155	445	1459.96
53	128.8873	-30.9362	290	151	441	1446.83
54	128.8596	-30.9362	290	155	445	1459.96
55	128.8319	-30.9362	290	155	445	1459.96
56	128.998	-30.9571	290	150	440	1443.55
57	128.9703	-30.9571	290	150	440	1443.55
58	128.9426	-30.9571	290	150	440	1443.55
59	128.9149	-30.9571	290	154	444	1456.68
60	128.8872	-30.9571	290	155	445	1459.96
61	128.8596	-30.9571	290	155	445	1459.96
62	128.8319	-30.957	290	155	445	1459.96
63	128.998	-30.978	290	150	440	1443.55
64	128.9703	-30.978	290	150	440	1443.55
65	128.9426	-30.978	290	150	440	1443.55
66	128.9149	-30.978	290	150	440	1443.55
67	128.8872	-30.978	290	150	440	1443.55
68	128.8595	-30.9779	290	155	445	1459.96

69	128.8318	-30.9779	290	155	445	1459.96
70	128.998	-30.9989	290	150	440	1443.55
71	128.9703	-30.9989	290	150	440	1443.55
72	128.9426	-30.9989	290	150	440	1443.55
73	128.9149	-30.9988	290	150	440	1443.55
74	128.8872	-30.9988	290	150	440	1443.55
75	128.8595	-30.9988	290	155	445	1459.96
76	128.8318	-30.9988	290	155	445	1459.96
77	128.998	-31.0197	290	150	440	1443.55
78	128.9703	-31.0197	290	150	440	1443.55
79	128.9426	-31.0197	290	147	437	1433.71
80	128.9149	-31.0197	290	150	440	1443.55
81	128.8872	-31.0197	290	150	440	1443.55
82	128.8595	-31.0197	290	150	440	1443.55
83	128.8318	-31.0196	290	151	441	1446.83
84	128.9703	-31.0406	290	150	440	1443.55
85	128.9426	-31.0406	290	155	445	1459.96
86	128.9149	-31.0406	290	146	436	1430.43
87	128.8871	-31.0406	290	145	435	1427.15
88	128.8594	-31.0405	290	150	440	1443.55
89	128.8317	-31.0405	290	150	440	1443.55
90	128.7798	-30.8109	290	160	450	1476.36
91	128.7522	-30.8108	290	160	450	1476.36
92	128.7245	-30.8107	290	160	450	1476.36
93	128.6969	-30.8107	290	160	450	1476.36
94	128.6693	-30.8106	290	156	446	1463.24
95	128.6416	-30.8105	290	160	450	1476.36
96	128.614	-30.8105	290	160	450	1476.36
97	128.5863	-30.8104	290	162	452	1482.92
98	128.7798	-30.8317	290	158	448	1469.80
99	128.7521	-30.8317	290	160	450	1476.36
100	128.7245	-30.8316	290	160	450	1476.36
101	128.6968	-30.8316	290	160	450	1476.36
102	128.6692	-30.8315	290	160	450	1476.36
103	128.6415	-30.8314	290	160	450	1476.36
104	128.6139	-30.8313	290	160	450	1476.36

105	128.5863	-30.8312	290	165	455	1492.76
106	128.5586	-30.8312	290	159	449	1473.08
107	128.7797	-30.8526	290	155	445	1459.96
108	128.7521	-30.8525	290	160	450	1476.36
109	128.7244	-30.8525	290	160	450	1476.36
110	128.6968	-30.8524	290	160	450	1476.36
111	128.6691	-30.8524	290	160	450	1476.36
112	128.6415	-30.8523	290	160	450	1476.36
113	128.6138	-30.8522	290	160	450	1476.36
114	128.5862	-30.8521	290	165	455	1492.76
115	128.5585	-30.852	290	156	446	1463.24
116	128.7797	-30.8735	290	160	450	1476.36
117	128.752	-30.8734	290	160	450	1476.36
118	128.7244	-30.8734	290	160	450	1476.36
119	128.6967	-30.8733	290	158	448	1469.80
120	128.669	-30.8732	290	155	445	1459.96
121	128.6414	-30.8732	290	160	450	1476.36
122	128.6137	-30.8731	290	160	450	1476.36
123	128.5861	-30.873	290	160	450	1476.36
124	128.5584	-30.8729	290	158	448	1469.80
125	128.7796	-30.8943	290	160	450	1476.36
126	128.752	-30.8943	290	160	450	1476.36
127	128.7243	-30.8942	290	160	450	1476.36
128	128.6966	-30.8942	290	155	445	1459.96
129	128.6413	-30.894	290	155	445	1459.96
130	128.6136	-30.8939	290	155	445	1459.96
131	128.586	-30.8939	290	160	450	1476.36
132	128.5583	-30.8938	290	160	450	1476.36
133	128.7796	-30.9152	290	155	445	1459.96
134	128.7519	-30.9152	290	160	450	1476.36
135	128.7242	-30.9151	290	158	448	1469.80
136	128.6966	-30.915	290	160	450	1476.36
137	128.6412	-30.9149	290	155	445	1459.96
138	128.6136	-30.9148	290	155	445	1459.96
139	128.5859	-30.9147	290	158	448	1469.80
140	128.5582	-30.9146	290	156	446	1463.24

141	128.7795	-30.9361	290	155	445	1459.96
142	128.7519	-30.936	290	158	448	1469.80
143	128.7242	-30.936	290	155	445	1459.96
144	128.6965	-30.9359	290	155	445	1459.96
145	128.6688	-30.9358	290	155	445	1459.96
146	128.6412	-30.9358	290	160	450	1476.36
147	128.6135	-30.9357	290	159	449	1473.08
148	128.5858	-30.9356	290	155	445	1459.96
149	128.5581	-30.9355	290	155	445	1459.96
150	128.7795	-30.9569	290	155	445	1459.96
151	128.7518	-30.9569	290	155	445	1459.96
152	128.7241	-30.9568	290	155	445	1459.96
153	128.6964	-30.9568	290	155	445	1459.96
154	128.6688	-30.9567	290	155	445	1459.96
155	128.6411	-30.9566	290	155	445	1459.96
156	128.6134	-30.9566	290	155	445	1459.96
157	128.5857	-30.9565	290	155	445	1459.96
158	128.558	-30.9564	290	155	445	1459.96
159	128.7794	-30.9778	290	155	445	1459.96
160	128.7518	-30.9778	290	151	441	1446.83
161	128.7241	-30.9777	290	155	445	1459.96
162	128.6964	-30.9776	290	155	445	1459.96
163	128.6687	-30.9776	290	155	445	1459.96
164	128.641	-30.9775	290	155	445	1459.96
165	128.6133	-30.9774	290	155	445	1459.96
166	128.5856	-30.9773	290	155	445	1459.96
167	128.5579	-30.9773	290	155	445	1459.96
168	128.7794	-30.9987	290	153	443	1453.39
169	128.7517	-30.9986	290	155	445	1459.96
170	128.724	-30.9986	290	155	445	1459.96
171	128.6963	-30.9985	290	155	445	1459.96
172	128.6686	-30.9985	290	155	445	1459.96
173	128.6409	-30.9984	290	155	445	1459.96
174	128.6132	-30.9983	290	155	445	1459.96
175	128.5855	-30.9982	290	155	445	1459.96
176	128.5578	-30.9981	290	155	445	1459.96

177	128.7239	-31.0195	290	155	445	1459.96
178	128.6962	-31.0194	290	155	445	1459.96
179	128.6685	-31.0193	290	155	445	1459.96
180	128.6408	-31.0192	290	155	445	1459.96
181	128.6131	-31.0192	290	150	440	1443.55
182	128.5854	-31.0191	290	150	440	1443.55
183	128.5577	-31.019	290	150	440	1443.55
184	128.5063	-30.831	290	161	451	1479.64
185	128.4786	-30.8309	290	162	452	1482.92
186	128.451	-30.8307	290	165	455	1492.76
187	128.4234	-30.8306	290	165	455	1492.76
188	128.3957	-30.8305	290	165	455	1492.76
189	128.3681	-30.8311	290	165	455	1492.76
190	128.5062	-30.8518	290	163	453	1486.20
191	128.4785	-30.8517	290	163	453	1486.20
192	128.4509	-30.8516	290	165	455	1492.76
193	128.4232	-30.8515	290	164	454	1489.48
194	128.3956	-30.8514	290	165	455	1492.76
195	128.3679	-30.8512	290	165	455	1492.76
196	128.3403	-30.8511	290	160	450	1476.36
197	128.3126	-30.851	290	160	450	1476.36
198	128.5061	-30.8727	290	160	450	1476.36
199	128.4784	-30.8726	290	162	452	1482.92
200	128.4508	-30.8725	290	165	455	1492.76
201	128.4231	-30.8724	290	160	450	1476.36
202	128.3954	-30.8722	290	164	454	1489.48
203	128.3678	-30.8721	290	165	455	1492.76
204	128.3401	-30.872	290	165	455	1492.76
205	128.3125	-30.8718	290	160	450	1476.36
206	128.506	-30.8936	290	162	452	1482.92
207	128.4783	-30.8935	290	160	450	1476.36
208	128.4506	-30.8934	290	165	455	1492.76
209	128.423	-30.8932	290	165	455	1492.76
210	128.3953	-30.8931	290	162	452	1482.92
211	128.3677	-30.893	290	165	455	1492.76
212	128.34	-30.8928	290	163	453	1486.20

213	128.3123	-30.8927	290	160	450	1476.36
214	128.5059	-30.9145	290	160	450	1476.36
215	128.4782	-30.9143	290	160	450	1476.36
216	128.4505	-30.9142	290	160	450	1476.36
217	128.4229	-30.9141	290	160	450	1476.36
218	128.3952	-30.914	290	160	450	1476.36
219	128.3675	-30.9138	290	164	454	1489.48
220	128.3398	-30.9137	290	164	454	1489.48
221	128.3122	-30.9136	290	160	450	1476.36
222	128.5058	-30.9353	290	160	450	1476.36
223	128.4781	-30.9352	290	160	450	1476.36
224	128.4504	-30.9351	290	160	450	1476.36
225	128.4227	-30.935	290	160	450	1476.36
226	128.3674	-30.9347	290	163	453	1486.20
227	128.3397	-30.9346	290	160	450	1476.36
228	128.312	-30.9344	290	160	450	1476.36
229	128.5057	-30.9562	290	160	450	1476.36
230	128.478	-30.9561	290	160	450	1476.36
231	128.4503	-30.956	290	160	450	1476.36
232	128.4226	-30.9558	290	160	450	1476.36
233	128.3672	-30.9556	290	160	450	1476.36
234	128.3396	-30.9554	290	160	450	1476.36
235	128.3119	-30.9553	290	159	449	1473.08
236	128.5055	-30.9771	290	160	450	1476.36
237	128.4779	-30.977	290	160	450	1476.36
238	128.4502	-30.9768	290	160	450	1476.36
239	128.4225	-30.9767	290	159	449	1473.08
240	128.3948	-30.9766	290	160	450	1476.36
241	128.3671	-30.9765	290	160	450	1476.36
242	128.3394	-30.9763	290	160	450	1476.36
243	128.3117	-30.9762	290	160	450	1476.36
244	128.5054	-30.9979	290	155	445	1459.96
245	128.4777	-30.9978	290	155	445	1459.96
246	128.45	-30.9977	290	155	445	1459.96
247	128.4224	-30.9976	290	157	447	1466.52
248	128.3947	-30.9975	290	155	445	1459.96

249	128.367	-30.9973	290	160	450	1476.36
250	128.3393	-30.9972	290	160	450	1476.36
251	128.3116	-30.997	290	159	449	1473.08
252	128.5053	-31.0188	290	155	445	1459.96
253	128.4776	-31.0187	290	155	445	1459.96
254	128.4499	-31.0186	290	155	445	1459.96
255	128.4222	-31.0185	290	155	445	1459.96
256	128.3945	-31.0183	290	155	445	1459.96
257	128.3668	-31.0182	290	156	446	1463.24
258	128.3391	-31.0181	290	155	445	1459.96
259	128.3114	-31.0179	290	160	450	1476.36
260	128.5052	-31.0397	290	150	440	1443.55
261	128.4775	-31.0396	290	155	445	1459.96
262	128.4498	-31.0394	290	155	445	1459.96
263	128.4221	-31.0393	290	155	445	1459.96
264	128.3944	-31.0392	290	158	448	1469.80
265	128.3667	-31.0391	290	160	450	1476.36
266	128.339	-31.0389	290	156	446	1463.24
267	128.3113	-31.0388	290	160	450	1476.36
268	128.422	-31.0602	290	155	445	1459.96
269	128.3943	-31.0601	290	155	445	1459.96
270	128.3666	-31.0599	290	155	445	1459.96
271	128.3388	-31.0598	290	160	450	1476.36
272	128.3111	-31.0596	290	160	450	1476.36
273	128.2603	-30.8507	290	155	445	1459.96
274	128.2327	-30.8505	290	160	450	1476.36
275	128.205	-30.8503	290	165	455	1492.76
276	128.1774	-30.8502	290	157	447	1466.52
277	128.1497	-30.8515	290	160	450	1476.36
278	128.2601	-30.8715	290	155	445	1459.96
279	128.2325	-30.8714	290	160	450	1476.36
280	128.2048	-30.8712	290	160	450	1476.36
281	128.1772	-30.871	290	160	450	1476.36
282	128.1495	-30.8709	290	162	452	1482.92
283	128.1219	-30.8707	290	160	450	1476.36
284	128.0942	-30.8705	290	160	450	1476.36

285	128.0666	-30.8703	290	165	455	1492.76
286	128.26	-30.8924	290	160	450	1476.36
287	128.2323	-30.8922	290	160	450	1476.36
288	128.2047	-30.8921	290	160	450	1476.36
289	128.177	-30.8919	290	160	450	1476.36
290	128.1493	-30.8917	290	160	450	1476.36
291	128.1217	-30.8915	290	158	448	1469.80
292	128.0664	-30.8912	290	160	450	1476.36
293	128.2598	-30.9133	290	160	450	1476.36
294	128.2322	-30.9131	290	160	450	1476.36
295	128.2045	-30.9129	290	157	447	1466.52
296	128.1768	-30.9128	290	160	450	1476.36
297	128.1492	-30.9126	290	165	455	1492.76
298	128.1215	-30.9124	290	155	445	1459.96
299	128.0938	-30.9122	290	162	452	1482.92
300	128.0662	-30.912	290	155	445	1459.96
301	128.2597	-30.9341	290	160	450	1476.36
302	128.232	-30.934	290	160	450	1476.36
303	128.2043	-30.9338	290	160	450	1476.36
304	128.1766	-30.9336	290	160	450	1476.36
305	128.149	-30.9335	290	160	450	1476.36
306	128.1213	-30.9333	290	159	449	1473.08
307	128.0936	-30.9331	290	160	450	1476.36
308	128.0699	-30.9329	290	160	450	1476.36
309	128.2595	-30.955	290	160	450	1476.36
310	128.2318	-30.9549	290	165	455	1492.76
311	128.2041	-30.9547	290	160	450	1476.36
312	128.1765	-30.9545	290	160	450	1476.36
313	128.1211	-30.9541	290	158	448	1469.80
314	128.0934	-30.954	290	155	445	1459.96
315	128.0709	-30.9538	290	160	450	1476.36
316	128.2593	-30.9759	290	160	450	1476.36
317	128.2317	-30.9757	290	165	455	1492.76
318	128.204	-30.9756	290	165	455	1492.76
319	128.1763	-30.9754	290	160	450	1476.36
320	128.1209	-30.975	290	151	441	1446.83

321	128.0932	-30.9748	290	155	445	1459.96
322	128.0689	-30.9747	290	151	441	1446.83
323	128.2592	-30.9968	290	160	450	1476.36
324	128.2315	-30.9966	290	165	455	1492.76
325	128.2038	-30.9964	290	167	457	1499.33
326	128.1761	-30.9962	290	160	450	1476.36
327	128.1484	-30.9961	290	160	450	1476.36
328	128.1207	-30.9959	290	150	440	1443.55
329	128.093	-30.9957	290	150	440	1443.55
330	128.0689	-30.9955	290	150	440	1443.55
331	128.259	-31.0176	290	155	445	1459.96
332	128.2313	-31.0175	290	165	455	1492.76
333	128.2036	-31.0173	290	165	455	1492.76
334	128.1759	-31.0171	290	160	450	1476.36
335	128.1482	-31.0169	290	160	450	1476.36
336	128.1205	-31.0168	290	155	445	1459.96
337	128.0928	-31.0166	290	154	444	1456.68
338	128.0651	-31.0164	290	150	440	1443.55
339	128.2589	-31.0385	290	155	445	1459.96
340	128.2312	-31.0383	290	163	453	1486.20
341	128.2034	-31.0382	290	165	455	1492.76
342	128.1757	-31.038	290	165	455	1492.76
343	128.148	-31.0378	290	160	450	1476.36
344	128.1203	-31.0376	290	155	445	1459.96
345	128.0926	-31.0374	290	155	445	1459.96
346	128.0649	-31.0372	290	153	443	1453.39
347	128.2587	-31.0594	290	155	445	1459.96
348	128.231	-31.0592	290	160	450	1476.36
349	128.2033	-31.059	290	160	450	1476.36
350	128.1756	-31.0589	290	163	453	1486.20
351	128.1479	-31.0587	290	157	447	1466.52
352	128.1201	-31.0585	290	155	445	1459.96
353	128.0924	-31.0583	290	155	445	1459.96
354	128.0647	-31.0581	290	155	445	1459.96
355	128.2308	-31.0801	290	160	450	1476.36
356	128.2031	-31.0799	290	160	450	1476.36

357	128.1754	-31.0797	290	160	450	1476.36
358	128.1477	-31.0795	290	155	445	1459.96
359	128.12	-31.0794	290	150	440	1443.55
360	128.0922	-31.0792	290	154	444	1456.68
361	128.0645	-31.079	290	150	440	1443.55
362	128.0142	-30.8699	290	170	460	1509.17
363	127.9866	-30.8697	290	167	457	1499.33
364	127.9589	-30.8695	290	170	460	1509.17
365	127.9312	-30.8719	290	170	460	1509.17
366	128.014	-30.8908	290	160	450	1476.36
367	127.9864	-30.8906	290	165	455	1492.76
368	127.9587	-30.8903	290	165	455	1492.76
369	127.931	-30.8901	290	170	460	1509.17
370	127.9034	-30.8899	290	170	460	1509.17
371	127.8757	-30.8896	290	170	460	1509.17
372	127.8481	-30.8894	290	170	460	1509.17
373	127.8204	-30.8891	290	175	465	1525.57
374	128.0138	-30.9116	290	160	450	1476.36
375	127.9861	-30.9114	290	160	450	1476.36
376	127.9585	-30.9112	290	165	455	1492.76
377	127.9308	-30.911	290	165	455	1492.76
378	127.9031	-30.9107	290	165	455	1492.76
379	127.8755	-30.9105	290	170	460	1509.17
380	127.8478	-30.9103	290	170	460	1509.17
381	127.8201	-30.91	290	174	464	1522.29
382	128.0136	-30.9325	290	155	445	1459.96
383	127.9859	-30.9323	290	160	450	1476.36
384	127.9582	-30.9321	290	168	458	1502.61
385	127.9306	-30.9318	290	165	455	1492.76
386	127.9029	-30.9316	290	170	460	1509.17
387	127.8752	-30.9314	290	165	455	1492.76
388	127.8476	-30.9311	290	170	460	1509.17
389	127.8199	-30.9309	290	175	465	1525.57
390	128.0134	-30.9534	290	160	450	1476.36
391	127.9857	-30.9532	290	156	446	1463.24
392	127.958	-30.9529	290	165	455	1492.76

393	127.9303	-30.9527	290	166	456	1496.04
394	127.9027	-30.9525	290	170	460	1509.17
395	127.875	-30.9522	290	170	460	1509.17
396	127.8473	-30.952	290	170	460	1509.17
397	127.8196	-30.9517	290	170	460	1509.17
398	128.0132	-30.9742	290	160	450	1476.36
399	127.9855	-30.974	290	158	448	1469.80
400	127.9578	-30.9738	290	162	452	1482.92
401	127.9301	-30.9736	290	164	454	1489.48
402	127.8747	-30.9731	290	169	459	1505.89
403	127.8471	-30.9729	290	166	456	1496.04
404	127.8194	-30.9726	290	170	460	1509.17
405	128.0129	-30.9951	290	155	445	1459.96
406	127.9853	-30.9949	290	160	450	1476.36
407	127.9576	-30.9947	290	165	455	1492.76
408	127.9299	-30.9944	290	160	450	1476.36
409	127.8745	-30.994	290	165	455	1492.76
410	127.8468	-30.9937	290	170	460	1509.17
411	127.8191	-30.9935	290	170	460	1509.17
412	128.0127	-31.016	290	155	445	1459.96
413	127.985	-31.0158	290	165	455	1492.76
414	127.9573	-31.0155	290	165	455	1492.76
415	127.9296	-31.0153	290	163	453	1486.20
416	127.9019	-31.0151	290	165	455	1492.76
417	127.8743	-31.0148	290	162	452	1482.92
418	127.8466	-31.0146	290	165	455	1492.76
419	127.8189	-31.0143	290	165	455	1492.76
420	128.0125	-31.0368	290	156	446	1463.24
421	127.9848	-31.0366	290	160	450	1476.36
422	127.9571	-31.0364	290	160	450	1476.36
423	127.9294	-31.0362	290	163	453	1486.20
424	127.9017	-31.0359	290	162	452	1482.92
425	127.874	-31.0357	290	165	455	1492.76
426	127.8463	-31.0355	290	165	455	1492.76
427	127.8186	-31.0352	290	161	451	1479.64
428	128.0123	-31.0577	290	160	450	1476.36

429	127.9846	-31.0575	290	160	450	1476.36
430	127.9569	-31.0573	290	160	450	1476.36
431	127.9292	-31.057	290	160	450	1476.36
432	127.9015	-31.0568	290	165	455	1492.76
433	127.8738	-31.0566	290	165	455	1492.76
434	127.8461	-31.0563	290	165	455	1492.76
435	127.8183	-31.0561	290	165	455	1492.76
436	128.0121	-31.0786	290	158	448	1469.80
437	127.9844	-31.0784	290	155	445	1459.96
438	127.9567	-31.0781	290	160	450	1476.36
439	127.9289	-31.0779	290	159	449	1473.08
440	127.9012	-31.0777	290	160	450	1476.36
441	127.8735	-31.0774	290	163	453	1486.20
442	127.8458	-31.0772	290	164	454	1489.48
443	127.8181	-31.0769	290	165	455	1492.76
444	127.9841	-31.0992	290	158	448	1469.80
445	127.9564	-31.099	290	157	447	1466.52
446	127.9287	-31.0988	290	160	450	1476.36
447	127.901	-31.0985	290	160	450	1476.36
448	127.8733	-31.0983	290	160	450	1476.36
449	127.8455	-31.0981	290	160	450	1476.36
450	127.8178	-31.0978	290	165	455	1492.76
451	127.7681	-30.8887	290	180	470	1541.98
452	127.7678	-30.9095	290	175	465	1525.57
453	127.7401	-30.9093	290	180	470	1541.98
454	127.7125	-30.909	290	175	465	1525.57
455	127.6848	-30.9087	290	182	472	1548.54
456	127.6572	-30.9084	290	185	475	1558.38
457	127.6295	-30.9081	290	185	475	1558.38
458	127.6018	-30.9078	290	185	475	1558.38
459	127.5742	-30.9075	290	185	475	1558.38
460	127.7675	-30.9304	290	175	465	1525.57
461	127.7399	-30.9301	290	173	463	1519.01
462	127.7122	-30.9299	290	180	470	1541.98
463	127.6845	-30.9296	290	180	470	1541.98
464	127.6569	-30.9293	290	180	470	1541.98

465	127.6292	-30.929	290	182	472	1548.54
466	127.6015	-30.9287	290	185	475	1558.38
467	127.5739	-30.9284	290	185	475	1558.38
468	127.7673	-30.9513	290	170	460	1509.17
469	127.7396	-30.951	290	175	465	1525.57
470	127.7119	-30.9507	290	180	470	1541.98
471	127.6842	-30.9504	290	180	470	1541.98
472	127.6566	-30.9502	290	180	470	1541.98
473	127.6289	-30.9499	290	180	470	1541.98
474	127.6012	-30.9496	290	180	470	1541.98
475	127.5735	-30.9493	290	185	475	1558.38
476	127.767	-30.9721	290	170	460	1509.17
477	127.7393	-30.9719	290	175	465	1525.57
478	127.7116	-30.9716	290	175	465	1525.57
479	127.684	-30.9713	290	175	465	1525.57
480	127.6563	-30.971	290	179	469	1538.70
481	127.6286	-30.9707	290	180	470	1541.98
482	127.6009	-30.9704	290	179	469	1538.70
483	127.5732	-30.9701	290	180	470	1541.98
484	127.7667	-30.993	290	170	460	1509.17
485	127.739	-30.9927	290	170	460	1509.17
486	127.7114	-30.9924	290	170	460	1509.17
487	127.6837	-30.9922	290	175	465	1525.57
488	127.6283	-30.9916	290	175	465	1525.57
489	127.6006	-30.9913	290	175	465	1525.57
490	127.5729	-30.991	290	175	465	1525.57
491	127.7665	-31.0139	290	170	460	1509.17
492	127.7388	-31.0136	290	175	465	1525.57
493	127.7111	-31.0133	290	173	463	1519.01
494	127.6834	-31.013	290	175	465	1525.57
495	127.628	-31.0125	290	175	465	1525.57
496	127.6003	-31.0122	290	175	465	1525.57
497	127.5726	-31.0119	290	175	465	1525.57
498	127.7662	-31.0347	290	170	460	1509.17
499	127.7385	-31.0345	290	170	460	1509.17
500	127.7108	-31.0342	290	170	460	1509.17

501	127.6831	-31.0339	290	170	460	1509.17
502	127.6554	-31.0336	290	170	460	1509.17
503	127.6277	-31.0333	290	169	459	1505.89
504	127.6	-31.033	290	170	460	1509.17
505	127.5723	-31.0327	290	170	460	1509.17
506	127.7659	-31.0556	290	170	460	1509.17
507	127.7382	-31.0553	290	167	457	1499.33
508	127.7105	-31.055	290	165	455	1492.76
509	127.6828	-31.0548	290	165	455	1492.76
510	127.6551	-31.0545	290	165	455	1492.76
511	127.6274	-31.0542	290	165	455	1492.76
512	127.5997	-31.0539	290	170	460	1509.17
513	127.572	-31.0536	290	173	463	1519.01
514	127.7657	-31.0765	290	166	456	1496.04
515	127.7379	-31.0762	290	165	455	1492.76
516	127.7102	-31.0759	290	165	455	1492.76
517	127.6825	-31.0756	290	168	458	1502.61
518	127.6548	-31.0753	290	165	455	1492.76
519	127.6271	-31.0751	290	167	457	1499.33
520	127.5994	-31.0748	290	170	460	1509.17
521	127.5717	-31.0744	290	170	460	1509.17
522	127.7654	-31.0973	290	165	455	1492.76
523	127.7377	-31.097	290	168	458	1502.61
524	127.7099	-31.0968	290	165	455	1492.76
525	127.6822	-31.0965	290	165	455	1492.76
526	127.6545	-31.0962	290	166	456	1496.04
527	127.6268	-31.0959	290	165	455	1492.76
528	127.5991	-31.0956	290	170	460	1509.17
529	127.5714	-31.0953	290	165	455	1492.76
530	127.7651	-31.1182	290	165	455	1492.76
531	127.7374	-31.1179	290	165	455	1492.76
532	127.7097	-31.1176	290	165	455	1492.76
533	127.6819	-31.1174	290	165	455	1492.76
534	127.6542	-31.1171	290	163	453	1486.20
535	127.6265	-31.1168	290	165	455	1492.76
536	127.5988	-31.1165	290	164	454	1489.48

537	127.5711	-31.1162	290	167	457	1499.33
538	127.6262	-31.1376	290	161	451	1479.64
539	127.5985	-31.1373	290	160	450	1476.36
540	127.5707	-31.137	290	165	455	1492.76
541	127.5215	-30.9278	290	190	480	1574.78
542	127.4938	-30.9275	290	186	476	1561.66
543	127.4662	-30.9272	290	190	480	1574.78
544	127.4385	-30.9268	290	180	470	1541.98
545	127.4108	-30.9265	290	180	470	1541.98
546	127.3832	-30.9262	290	181	471	1545.26
547	127.3555	-30.9258	290	185	475	1558.38
548	127.3279	-30.9258	290	182	472	1548.54
549	127.5212	-30.9487	290	185	475	1558.38
550	127.4935	-30.9484	290	185	475	1558.38
551	127.4658	-30.948	290	190	480	1574.78
552	127.4382	-30.9477	290	177	467	1532.13
553	127.4105	-30.9474	290	180	470	1541.98
554	127.3828	-30.947	290	180	470	1541.98
555	127.3552	-30.9467	290	180	470	1541.98
556	127.3275	-30.9463	290	180	470	1541.98
557	127.5209	-30.9695	290	180	470	1541.98
558	127.4932	-30.9692	290	185	475	1558.38
559	127.4655	-30.9689	290	190	480	1574.78
560	127.4378	-30.9686	290	177	467	1532.13
561	127.4102	-30.9682	290	180	470	1541.98
562	127.3825	-30.9679	290	177	467	1532.13
563	127.3548	-30.9675	290	179	469	1538.70
564	127.3271	-30.9672	290	180	470	1541.98
565	127.5205	-30.9904	290	180	470	1541.98
566	127.4929	-30.9901	290	180	470	1541.98
567	127.4652	-30.9898	290	182	472	1548.54
568	127.4375	-30.9894	290	175	465	1525.57
569	127.4098	-30.9891	290	175	465	1525.57
570	127.3821	-30.9887	290	178	468	1535.41
571	127.3544	-30.9884	290	176	466	1528.85
572	127.3268	-30.988	290	175	465	1525.57

573	127.5202	-31.0113	290	179	469	1538.70
574	127.4925	-31.0109	290	180	470	1541.98
575	127.4648	-31.0106	290	178	468	1535.41
576	127.4372	-31.0103	290	172	462	1515.73
577	127.4095	-31.0099	290	175	465	1525.57
578	127.3818	-31.0096	290	175	465	1525.57
579	127.3541	-31.0093	290	175	465	1525.57
580	127.3264	-31.0089	290	175	465	1525.57
581	127.5199	-31.0321	290	180	470	1541.98
582	127.4922	-31.0318	290	180	470	1541.98
583	127.4645	-31.0315	290	175	465	1525.57
584	127.4368	-31.0312	290	170	460	1509.17
585	127.3814	-31.0305	290	175	465	1525.57
586	127.3537	-31.0301	290	175	465	1525.57
587	127.326	-31.0298	290	175	465	1525.57
588	127.5196	-31.053	290	179	469	1538.70
589	127.4919	-31.0527	290	176	466	1528.85
590	127.4642	-31.0523	290	170	460	1509.17
591	127.4365	-31.052	290	165	455	1492.76
592	127.3811	-31.0513	290	172	462	1515.73
593	127.3534	-31.051	290	175	465	1525.57
594	127.3257	-31.0506	290	175	465	1525.57
595	127.5193	-31.0739	290	175	465	1525.57
596	127.4915	-31.0735	290	175	465	1525.57
597	127.4638	-31.0732	290	168	458	1502.61
598	127.4361	-31.0729	290	165	455	1492.76
599	127.4084	-31.0725	290	165	455	1492.76
600	127.3807	-31.0722	290	170	460	1509.17
601	127.353	-31.0718	290	170	460	1509.17
602	127.3253	-31.0715	290	170	460	1509.17
603	127.5189	-31.0947	290	170	460	1509.17
604	127.4912	-31.0944	290	175	465	1525.57
605	127.4635	-31.0941	290	175	465	1525.57
606	127.4358	-31.0937	290	165	455	1492.76
607	127.4081	-31.0934	290	167	457	1499.33
608	127.3804	-31.0931	290	170	460	1509.17

609	127.3527	-31.0927	290	170	460	1509.17
610	127.3249	-31.0923	290	170	460	1509.17
611	127.5186	-31.1156	290	170	460	1509.17
612	127.4909	-31.1153	290	170	460	1509.17
613	127.4632	-31.1149	290	175	465	1525.57
614	127.4354	-31.1146	290	165	455	1492.76
615	127.4077	-31.1143	290	165	455	1492.76
616	127.38	-31.1139	290	166	456	1496.04
617	127.3523	-31.1136	290	170	460	1509.17
618	127.3246	-31.1132	290	168	458	1502.61
619	127.5183	-31.1364	290	167	457	1499.33
620	127.4906	-31.1361	290	175	465	1525.57
621	127.4628	-31.1358	290	173	463	1519.01
622	127.4351	-31.1355	290	160	450	1476.36
623	127.4074	-31.1351	290	165	455	1492.76
624	127.3797	-31.1348	290	165	455	1492.76
625	127.3519	-31.1344	290	168	458	1502.61
626	127.3242	-31.1341	290	165	455	1492.76
627	127.518	-31.1573	290	165	455	1492.76
628	127.4902	-31.157	290	168	458	1502.61
629	127.4625	-31.1567	290	163	453	1486.20
630	127.2751	-30.9456	290	180	470	1541.98
631	127.2475	-30.9453	290	180	470	1541.98
632	127.2198	-30.9449	290	180	470	1541.98
633	127.1921	-30.9445	290	180	470	1541.98
634	127.1645	-30.9441	290	180	470	1541.98
635	127.1368	-30.9437	290	183	473	1551.82
636	127.1091	-30.9447	290	185	475	1558.38
637	127.2748	-30.9665	290	176	466	1528.85
638	127.2471	-30.9661	290	180	470	1541.98
639	127.2194	-30.9657	290	180	470	1541.98
640	127.1918	-30.9654	290	180	470	1541.98
641	127.1641	-30.965	290	180	470	1541.98
642	127.1364	-30.9646	290	185	475	1558.38
643	127.1087	-30.9642	290	184	474	1555.10
644	127.0811	-30.9638	290	181	471	1545.26

645	127.2744	-30.9873	290	175	465	1525.57
646	127.2467	-30.987	290	175	465	1525.57
647	127.219	-30.9866	290	180	470	1541.98
648	127.1914	-30.9862	290	177	467	1532.13
649	127.1637	-30.9858	290	180	470	1541.98
650	127.136	-30.9854	290	180	470	1541.98
651	127.1083	-30.985	290	180	470	1541.98
652	127.0806	-30.9846	290	180	470	1541.98
653	127.274	-31.0082	290	175	465	1525.57
654	127.2463	-31.0078	290	175	465	1525.57
655	127.2186	-31.0075	290	175	465	1525.57
656	127.191	-31.0071	290	175	465	1525.57
657	127.1633	-31.0067	290	179	469	1538.70
658	127.1356	-31.0063	290	180	470	1541.98
659	127.1079	-31.0059	290	180	470	1541.98
660	127.0802	-31.0055	290	180	470	1541.98
661	127.2736	-31.0291	290	171	461	1512.45
662	127.2459	-31.0287	290	175	465	1525.57
663	127.2183	-31.0283	290	175	465	1525.57
664	127.1906	-31.0279	290	176	466	1528.85
665	127.1629	-31.0275	290	175	465	1525.57
666	127.1352	-31.0271	290	180	470	1541.98
667	127.1075	-31.0267	290	180	470	1541.98
668	127.0798	-31.0263	290	180	470	1541.98
669	127.2733	-31.0499	290	170	460	1509.17
670	127.2456	-31.0496	290	174	464	1522.29
671	127.2179	-31.0492	290	175	465	1525.57
672	127.1902	-31.0488	290	176	466	1528.85
673	127.1348	-31.048	290	178	468	1535.41
674	127.1071	-31.0476	290	175	465	1525.57
675	127.0794	-31.0472	290	175	465	1525.57
676	127.2729	-31.0708	290	170	460	1509.17
677	127.2452	-31.0704	290	174	464	1522.29
678	127.2175	-31.07	290	175	465	1525.57
679	127.1898	-31.0697	290	175	465	1525.57
680	127.1344	-31.0689	290	175	465	1525.57

681	127.1067	-31.0685	290	175	465	1525.57
682	127.079	-31.068	290	175	465	1525.57
683	127.2725	-31.0917	290	170	460	1509.17
684	127.2448	-31.0913	290	175	465	1525.57
685	127.2171	-31.0909	290	175	465	1525.57
686	127.1894	-31.0905	290	175	465	1525.57
687	127.1617	-31.0901	290	171	461	1512.45
688	127.134	-31.0897	290	173	463	1519.01
689	127.1063	-31.0893	290	175	465	1525.57
690	127.0786	-31.0889	290	175	465	1525.57
691	127.2721	-31.1125	290	170	460	1509.17
692	127.2444	-31.1121	290	170	460	1509.17
693	127.2167	-31.1118	290	172	462	1515.73
694	127.189	-31.1114	290	175	465	1525.57
695	127.1613	-31.111	290	170	460	1509.17
696	127.1336	-31.1106	290	170	460	1509.17
697	127.1058	-31.1102	290	175	465	1525.57
698	127.0781	-31.1098	290	175	465	1525.57
699	127.2718	-31.1334	290	170	460	1509.17
700	127.244	-31.133	290	170	460	1509.17
701	127.2163	-31.1326	290	170	460	1509.17
702	127.1886	-31.1322	290	170	460	1509.17
703	127.1609	-31.1318	290	170	460	1509.17
704	127.1332	-31.1314	290	165	455	1492.76
705	127.1054	-31.131	290	170	460	1509.17
706	127.0777	-31.1306	290	170	460	1509.17
707	127.2714	-31.1542	290	170	460	1509.17
708	127.2436	-31.1539	290	165	455	1492.76
709	127.2159	-31.1535	290	165	455	1492.76
710	127.1882	-31.1531	290	165	455	1492.76
711	127.1605	-31.1527	290	165	455	1492.76
712	127.1327	-31.1523	290	165	455	1492.76
713	127.105	-31.1519	290	166	456	1496.04
714	127.0773	-31.1515	290	170	460	1509.17
715	127.1601	-31.1736	290	165	455	1492.76
716	127.1323	-31.1732	290	165	455	1492.76

717	127.1046	-31.1728	290	165	455	1492.76
718	127.0769	-31.1723	290	165	455	1492.76
719	127.0287	-30.963	290	180	470	1541.98
720	127.001	-30.9625	290	180	470	1541.98
721	126.9734	-30.9621	290	185	475	1558.38
722	126.9457	-30.9617	290	184	474	1555.10
723	126.918	-30.9612	290	185	475	1558.38
724	126.8903	-30.9632	290	180	470	1541.98
725	126.8626	-30.9654	290	184	474	1555.10
726	126.8349	-30.9677	290	185	475	1558.38
727	127.0283	-30.9838	290	180	470	1541.98
728	127.0006	-30.9834	290	185	475	1558.38
729	126.9729	-30.983	290	180	470	1541.98
730	126.9453	-30.9825	290	180	470	1541.98
731	126.9176	-30.9821	290	182	472	1548.54
732	126.8899	-30.9816	290	181	471	1545.26
733	126.8622	-30.9812	290	180	470	1541.98
734	126.8346	-30.9807	290	180	470	1541.98
735	127.0279	-31.0047	290	180	470	1541.98
736	127.0002	-31.0043	290	180	470	1541.98
737	126.9725	-31.0038	290	180	470	1541.98
738	126.9448	-31.0034	290	180	470	1541.98
739	126.9171	-31.0029	290	180	470	1541.98
740	126.8895	-31.0025	290	179	469	1538.70
741	126.8618	-31.002	290	177	467	1532.13
742	126.8341	-31.0016	290	180	470	1541.98
743	127.0274	-31.0255	290	177	467	1532.13
744	126.9997	-31.0251	290	180	470	1541.98
745	126.9721	-31.0247	290	180	470	1541.98
746	126.9444	-31.0242	290	180	470	1541.98
747	126.9167	-31.0238	290	180	470	1541.98
748	126.889	-31.0234	290	175	465	1525.57
749	126.8613	-31.0229	290	180	470	1541.98
750	126.8336	-31.0224	290	180	470	1541.98
751	127.027	-31.0464	290	180	470	1541.98
752	126.9993	-31.046	290	175	465	1525.57

753	126.9716	-31.0455	290	180	470	1541.98
754	126.9439	-31.0451	290	180	470	1541.98
755	126.9162	-31.0447	290	180	470	1541.98
756	126.8885	-31.0442	290	175	465	1525.57
757	126.8608	-31.0438	290	175	465	1525.57
758	126.8332	-31.0433	290	180	470	1541.98
759	127.0266	-31.0673	290	175	465	1525.57
760	126.9989	-31.0668	290	175	465	1525.57
761	126.9712	-31.0664	290	176	466	1528.85
762	126.9435	-31.066	290	175	465	1525.57
763	126.8881	-31.0651	290	175	465	1525.57
764	126.8604	-31.0646	290	170	460	1509.17
765	126.8327	-31.0641	290	175	465	1525.57
766	127.0261	-31.0881	290	175	465	1525.57
767	126.9984	-31.0877	290	172	462	1515.73
768	126.9707	-31.0873	290	173	463	1519.01
769	126.943	-31.0868	290	175	465	1525.57
770	126.8876	-31.0859	290	170	460	1509.17
771	126.8599	-31.0855	290	170	460	1509.17
772	126.8322	-31.085	290	170	460	1509.17
773	127.0257	-31.109	290	170	460	1509.17
774	126.998	-31.1085	290	170	460	1509.17
775	126.9703	-31.1081	290	170	460	1509.17
776	126.9426	-31.1077	290	170	460	1509.17
777	126.9149	-31.1072	290	173	463	1519.01
778	126.8872	-31.1068	290	170	460	1509.17
779	126.8594	-31.1063	290	170	460	1509.17
780	126.8317	-31.1059	290	165	455	1492.76
781	127.0253	-31.1298	290	166	456	1496.04
782	126.9976	-31.1294	290	170	460	1509.17
783	126.9698	-31.129	290	170	460	1509.17
784	126.9421	-31.1285	290	170	460	1509.17
785	126.9144	-31.1281	290	170	460	1509.17
786	126.8867	-31.1276	290	170	460	1509.17
787	126.859	-31.1272	290	170	460	1509.17
788	126.8313	-31.1267	290	165	455	1492.76

789	127.0248	-31.1507	290	165	455	1492.76
790	126.9971	-31.1503	290	165	455	1492.76
791	126.9694	-31.1498	290	165	455	1492.76
792	126.9417	-31.1494	290	165	455	1492.76
793	126.9139	-31.1489	290	170	460	1509.17
794	126.8862	-31.1485	290	165	455	1492.76
795	126.8585	-31.148	290	165	455	1492.76
796	126.8308	-31.1476	290	165	455	1492.76
797	127.0244	-31.1715	290	165	455	1492.76
798	126.9967	-31.1711	290	165	455	1492.76
799	126.9689	-31.1707	290	165	455	1492.76
800	126.9412	-31.1702	290	166	456	1496.04
801	126.9135	-31.1698	290	165	455	1492.76
802	126.8858	-31.1693	290	165	455	1492.76
803	126.858	-31.1689	290	163	453	1486.20
804	126.8303	-31.1684	290	162	452	1482.92
805	127.024	-31.1924	290	165	455	1492.76
806	126.9962	-31.192	290	160	450	1476.36
807	126.9685	-31.1915	290	160	450	1476.36
808	126.9408	-31.1911	290	165	455	1492.76
809	126.913	-31.1907	290	165	455	1492.76
810	126.8853	-31.1902	290	160	450	1476.36
811	126.8576	-31.1897	290	160	450	1476.36
812	126.8298	-31.1893	290	160	450	1476.36
813	128.998	-31.0406	290	148	438	1436.99
814	128.998	-31.0615	290	149	439	1440.27
815	128.9703	-31.0615	290	145	435	1427.15
816	128.9425	-31.0615	290	150	440	1443.55
817	128.9148	-31.0615	290	145	435	1427.15
818	128.8871	-31.0614	290	150	440	1443.55
819	128.8594	-31.0614	290	150	440	1443.55
820	128.8317	-31.0614	290	150	440	1443.55
821	128.998	-31.0824	290	140	430	1410.74
822	128.9703	-31.0824	290	145	435	1427.15
823	128.9425	-31.0823	290	144	434	1423.87
824	128.9148	-31.0823	290	145	435	1427.15

825	128.8871	-31.0823	290	147	437	1433.71
826	128.8594	-31.0823	290	145	435	1427.15
827	128.8317	-31.0822	290	150	440	1443.55
828	128.998	-31.1032	290	140	430	1410.74
829	128.9702	-31.1032	290	140	430	1410.74
830	128.9425	-31.1032	290	140	430	1410.74
831	128.9148	-31.1032	290	145	435	1427.15
832	128.8871	-31.1032	290	145	435	1427.15
833	128.8593	-31.1032	290	145	435	1427.15
834	128.8316	-31.1031	290	145	435	1427.15
835	128.998	-31.1241	290	140	430	1410.74
836	128.9702	-31.1241	290	140	430	1410.74
837	128.9425	-31.1241	290	140	430	1410.74
838	128.9148	-31.1241	290	140	430	1410.74
839	128.887	-31.1241	290	141	431	1414.02
840	128.8593	-31.124	290	141	431	1414.02
841	128.8316	-31.124	290	144	434	1423.87
842	128.998	-31.145	290	140	430	1410.74
843	128.9702	-31.145	290	140	430	1410.74
844	128.9425	-31.145	290	140	430	1410.74
845	128.9148	-31.1449	290	142	432	1417.31
846	128.887	-31.1449	290	145	435	1427.15
847	128.8593	-31.1449	290	140	430	1410.74
848	128.8315	-31.1449	290	140	430	1410.74
849	128.998	-31.1658	290	140	430	1410.74
850	128.9702	-31.1658	290	140	430	1410.74
851	128.9425	-31.1658	290	140	430	1410.74
852	128.887	-31.1658	290	140	430	1410.74
853	128.8593	-31.1658	290	140	430	1410.74
854	128.8315	-31.1657	290	140	430	1410.74
855	128.998	-31.1867	290	135	425	1394.34
856	128.9702	-31.1867	290	137	427	1400.90
857	128.9425	-31.1867	290	138	428	1404.18
858	128.887	-31.1867	290	140	430	1410.74
859	128.8592	-31.1866	290	140	430	1410.74
860	128.8315	-31.1866	290	140	430	1410.74

861	128.998	-31.2076	290	135	425	1394.34
862	128.9702	-31.2076	290	135	425	1394.34
863	128.9425	-31.2076	290	135	425	1394.34
864	128.9147	-31.2076	290	140	430	1410.74
865	128.8869	-31.2075	290	140	430	1410.74
866	128.8592	-31.2075	290	140	430	1410.74
867	128.8314	-31.2075	290	140	430	1410.74
868	128.998	-31.2285	290	135	425	1394.34
869	128.9702	-31.2284	290	135	425	1394.34
870	128.9424	-31.2284	290	135	425	1394.34
871	128.9147	-31.2284	290	135	425	1394.34
872	128.8869	-31.2284	290	140	430	1410.74
873	128.8592	-31.2284	290	140	430	1410.74
874	128.8314	-31.2283	290	140	430	1410.74
875	128.998	-31.2493	290	135	425	1394.34
876	128.9702	-31.2493	290	135	425	1394.34
877	128.9424	-31.2493	290	135	425	1394.34
878	128.9147	-31.2493	290	135	425	1394.34
879	128.8869	-31.2493	290	140	430	1410.74
880	128.8591	-31.2492	290	140	430	1410.74
881	128.8314	-31.2492	290	137	427	1400.90
882	128.998	-31.2702	290	135	425	1394.34
883	128.9702	-31.2702	290	135	425	1394.34
884	128.9424	-31.2702	290	135	425	1394.34
885	128.9146	-31.2702	290	135	425	1394.34
886	128.8869	-31.2701	290	135	425	1394.34
887	128.8591	-31.2701	290	140	430	1410.74
888	128.8313	-31.2701	290	137	427	1400.90
889	128.998	-31.2911	290	135	425	1394.34
890	128.9702	-31.2911	290	135	425	1394.34
891	128.9424	-31.291	290	135	425	1394.34
892	128.9146	-31.291	290	135	425	1394.34
893	128.8868	-31.291	290	135	425	1394.34
894	128.8591	-31.291	290	135	425	1394.34
895	128.8313	-31.291	290	135	425	1394.34
896	128.9702	-31.3119	290	135	425	1394.34

897	128.9424	-31.3119	290	130	420	1377.94
898	128.9146	-31.3119	290	130	420	1377.94
899	128.8868	-31.3119	290	135	425	1394.34
900	128.859	-31.3119	290	135	425	1394.34
901	128.8312	-31.3118	290	135	425	1394.34
902	128.7793	-31.0196	290	150	440	1443.55
903	128.7516	-31.0195	290	150	440	1443.55
904	128.7793	-31.0404	290	150	440	1443.55
905	128.7516	-31.0404	290	150	440	1443.55
906	128.7239	-31.0403	290	154	444	1456.68
907	128.6962	-31.0403	290	155	445	1459.96
908	128.6685	-31.0402	290	155	445	1459.96
909	128.6408	-31.0401	290	155	445	1459.96
910	128.6131	-31.04	290	150	440	1443.55
911	128.5854	-31.04	290	150	440	1443.55
912	128.5576	-31.0399	290	150	440	1443.55
913	128.7793	-31.0613	290	150	440	1443.55
914	128.7515	-31.0612	290	150	440	1443.55
915	128.7238	-31.0612	290	150	440	1443.55
916	128.6961	-31.0611	290	153	443	1453.39
917	128.6684	-31.0611	290	153	443	1453.39
918	128.6407	-31.061	290	152	442	1450.11
919	128.613	-31.0609	290	150	440	1443.55
920	128.5853	-31.0608	290	150	440	1443.55
921	128.5575	-31.0607	290	150	440	1443.55
922	128.7792	-31.0822	290	150	440	1443.55
923	128.7515	-31.0821	290	150	440	1443.55
924	128.7238	-31.0821	290	150	440	1443.55
925	128.696	-31.082	290	150	440	1443.55
926	128.6683	-31.0819	290	150	440	1443.55
927	128.6406	-31.0819	290	150	440	1443.55
928	128.6129	-31.0818	290	150	440	1443.55
929	128.5852	-31.0817	290	150	440	1443.55
930	128.5575	-31.0816	290	150	440	1443.55
931	128.7792	-31.103	290	145	435	1427.15
932	128.7514	-31.103	290	148	438	1436.99

933	128.7237	-31.1029	290	145	435	1427.15
934	128.696	-31.1029	290	147	437	1433.71
935	128.6683	-31.1028	290	150	440	1443.55
936	128.6405	-31.1027	290	150	440	1443.55
937	128.6128	-31.1026	290	150	440	1443.55
938	128.5851	-31.1026	290	150	440	1443.55
939	128.5574	-31.1025	290	150	440	1443.55
940	128.7791	-31.1239	290	145	435	1427.15
941	128.7514	-31.1239	290	145	435	1427.15
942	128.7236	-31.1238	290	145	435	1427.15
943	128.6959	-31.1237	290	145	435	1427.15
944	128.6405	-31.1236	290	145	435	1427.15
945	128.6127	-31.1235	290	145	435	1427.15
946	128.585	-31.1234	290	147	437	1433.71
947	128.5573	-31.1233	290	145	435	1427.15
948	128.7791	-31.1448	290	140	430	1410.74
949	128.7513	-31.1447	290	142	432	1417.31
950	128.7236	-31.1447	290	140	430	1410.74
951	128.6958	-31.1446	290	145	435	1427.15
952	128.6404	-31.1445	290	145	435	1427.15
953	128.6126	-31.1444	290	145	435	1427.15
954	128.5849	-31.1443	290	145	435	1427.15
955	128.5572	-31.1442	290	145	435	1427.15
956	128.779	-31.1657	290	140	430	1410.74
957	128.7513	-31.1656	290	145	435	1427.15
958	128.7235	-31.1655	290	140	430	1410.74
959	128.6958	-31.1655	290	142	432	1417.31
960	128.668	-31.1654	290	145	435	1427.15
961	128.6403	-31.1653	290	145	435	1427.15
962	128.6126	-31.1653	290	140	430	1410.74
963	128.5848	-31.1652	290	145	435	1427.15
964	128.5571	-31.1651	290	140	430	1410.74
965	128.779	-31.1865	290	140	430	1410.74
966	128.7512	-31.1865	290	140	430	1410.74
967	128.7235	-31.1864	290	140	430	1410.74
968	128.6957	-31.1864	290	140	430	1410.74

969	128.668	-31.1863	290	145	435	1427.15
970	128.6402	-31.1862	290	140	430	1410.74
971	128.6125	-31.1861	290	140	430	1410.74
972	128.5847	-31.186	290	144	434	1423.87
973	128.557	-31.1859	290	140	430	1410.74
974	128.7789	-31.2074	290	135	425	1394.34
975	128.7512	-31.2073	290	140	430	1410.74
976	128.7234	-31.2073	290	140	430	1410.74
977	128.6956	-31.2072	290	140	430	1410.74
978	128.6679	-31.2072	290	141	431	1414.02
979	128.6401	-31.2071	290	140	430	1410.74
980	128.6124	-31.207	290	140	430	1410.74
981	128.5846	-31.2069	290	140	430	1410.74
982	128.5569	-31.2068	290	138	428	1404.18
983	128.7789	-31.2283	290	135	425	1394.34
984	128.7511	-31.2282	290	138	428	1404.18
985	128.7233	-31.2282	290	140	430	1410.74
986	128.6956	-31.2281	290	140	430	1410.74
987	128.6678	-31.228	290	140	430	1410.74
988	128.6401	-31.2279	290	140	430	1410.74
989	128.6123	-31.2279	290	140	430	1410.74
990	128.5845	-31.2278	290	140	430	1410.74
991	128.5568	-31.2277	290	135	425	1394.34
992	128.64	-31.2488	290	140	430	1410.74
993	128.6122	-31.2487	290	140	430	1410.74
994	128.5844	-31.2486	290	136	426	1397.62
995	128.5567	-31.2486	290	135	425	1394.34
996	128.5051	-31.0605	290	150	440	1443.55
997	128.4774	-31.0604	290	155	445	1459.96
998	128.4497	-31.0603	290	152	442	1450.11
999	128.505	-31.0814	290	154	444	1456.68
1000	128.4773	-31.0813	290	150	440	1443.55
1001	128.4496	-31.0812	290	150	440	1443.55
1002	128.4218	-31.0811	290	151	441	1446.83
1003	128.3941	-31.0809	290	155	445	1459.96
1004	128.3664	-31.0808	290	155	445	1459.96

1005	128.3387	-31.0807	290	159	449	1473.08
1006	128.311	-31.0805	290	160	450	1476.36
1007	128.5049	-31.1023	290	150	440	1443.55
1008	128.4772	-31.1022	290	150	440	1443.55
1009	128.4494	-31.1021	290	150	440	1443.55
1010	128.4217	-31.1019	290	150	440	1443.55
1011	128.394	-31.1018	290	150	440	1443.55
1012	128.3663	-31.1017	290	150	440	1443.55
1013	128.3386	-31.1015	290	156	446	1463.24
1014	128.3108	-31.1014	290	160	450	1476.36
1015	128.5048	-31.1231	290	150	440	1443.55
1016	128.4771	-31.123	290	150	440	1443.55
1017	128.4493	-31.1229	290	150	440	1443.55
1018	128.4216	-31.1228	290	150	440	1443.55
1019	128.3939	-31.1227	290	150	440	1443.55
1020	128.3661	-31.1225	290	150	440	1443.55
1021	128.3384	-31.1224	290	155	445	1459.96
1022	128.3107	-31.1223	290	155	445	1459.96
1023	128.5047	-31.144	290	149	439	1440.27
1024	128.4769	-31.1439	290	148	438	1436.99
1025	128.4492	-31.1438	290	150	440	1443.55
1026	128.4215	-31.1437	290	147	437	1433.71
1027	128.3937	-31.1435	290	145	435	1427.15
1028	128.366	-31.1434	290	150	440	1443.55
1029	128.3383	-31.1433	290	155	445	1459.96
1030	128.3105	-31.1431	290	155	445	1459.96
1031	128.5046	-31.1649	290	145	435	1427.15
1032	128.4768	-31.1648	290	145	435	1427.15
1033	128.4491	-31.1647	290	145	435	1427.15
1034	128.4213	-31.1645	290	145	435	1427.15
1035	128.3659	-31.1643	290	148	438	1436.99
1036	128.3381	-31.1641	290	154	444	1456.68
1037	128.3104	-31.164	290	152	442	1450.11
1038	128.5045	-31.1858	290	141	431	1414.02
1039	128.4767	-31.1856	290	145	435	1427.15
1040	128.449	-31.1855	290	144	434	1423.87

1041	128.4212	-31.1854	290	145	435	1427.15
1042	128.3657	-31.1851	290	149	439	1440.27
1043	128.338	-31.185	290	150	440	1443.55
1044	128.3102	-31.1849	290	150	440	1443.55
1045	128.5044	-31.2066	290	144	434	1423.87
1046	128.4766	-31.2065	290	140	430	1410.74
1047	128.4488	-31.2064	290	140	430	1410.74
1048	128.4211	-31.2063	290	142	432	1417.31
1049	128.3933	-31.2062	290	145	435	1427.15
1050	128.3656	-31.206	290	145	435	1427.15
1051	128.3378	-31.2059	290	150	440	1443.55
1052	128.3101	-31.2057	290	150	440	1443.55
1053	128.5042	-31.2275	290	140	430	1410.74
1054	128.4765	-31.2274	290	140	430	1410.74
1055	128.4487	-31.2273	290	140	430	1410.74
1056	128.421	-31.2271	290	142	432	1417.31
1057	128.3932	-31.227	290	144	434	1423.87
1058	128.3654	-31.2269	290	145	435	1427.15
1059	128.3377	-31.2267	290	142	432	1417.31
1060	128.3099	-31.2266	290	145	435	1427.15
1061	128.5041	-31.2484	290	135	425	1394.34
1062	128.4764	-31.2483	290	135	425	1394.34
1063	128.4486	-31.2481	290	140	430	1410.74
1064	128.4208	-31.248	290	143	433	1420.59
1065	128.3931	-31.2479	290	145	435	1427.15
1066	128.3653	-31.2478	290	145	435	1427.15
1067	128.3375	-31.2476	290	145	435	1427.15
1068	128.3098	-31.2475	290	145	435	1427.15
1069	128.504	-31.2692	290	135	425	1394.34
1070	128.4763	-31.2691	290	135	425	1394.34
1071	128.4485	-31.269	290	135	425	1394.34
1072	128.4207	-31.2689	290	140	430	1410.74
1073	128.3929	-31.2688	290	140	430	1410.74
1074	128.3652	-31.2686	290	145	435	1427.15
1075	128.3374	-31.2685	290	142	432	1417.31
1076	128.3096	-31.2683	290	145	435	1427.15

1077	128.5039	-31.2901	290	135	425	1394.34
1078	128.4761	-31.29	290	135	425	1394.34
1079	128.4484	-31.2899	290	135	425	1394.34
1080	128.4206	-31.2898	290	140	430	1410.74
1081	128.3928	-31.2896	290	140	430	1410.74
1082	128.365	-31.2895	290	143	433	1420.59
1083	128.3372	-31.2894	290	143	433	1420.59
1084	128.3095	-31.2892	290	140	430	1410.74
1085	128.2585	-31.0802	290	155	445	1459.96
1086	128.2584	-31.1011	290	160	450	1476.36
1087	128.2306	-31.1009	290	164	454	1489.48
1088	128.2029	-31.1008	290	160	450	1476.36
1089	128.1752	-31.1006	290	155	445	1459.96
1090	128.1475	-31.1004	290	150	440	1443.55
1091	128.1198	-31.1002	290	150	440	1443.55
1092	128.092	-31.1	290	150	440	1443.55
1093	128.0643	-31.0998	290	154	444	1456.68
1094	128.2582	-31.122	290	155	445	1459.96
1095	128.2305	-31.1218	290	160	450	1476.36
1096	128.2028	-31.1216	290	160	450	1476.36
1097	128.175	-31.1215	290	159	449	1473.08
1098	128.1473	-31.1213	290	151	441	1446.83
1099	128.1196	-31.1211	290	150	440	1443.55
1100	128.0918	-31.1209	290	149	439	1440.27
1101	128.0641	-31.1207	290	150	440	1443.55
1102	128.258	-31.1428	290	155	445	1459.96
1103	128.2303	-31.1427	290	165	455	1492.76
1104	128.2026	-31.1425	290	160	450	1476.36
1105	128.1748	-31.1423	290	155	445	1459.96
1106	128.1471	-31.1421	290	150	440	1443.55
1107	128.1194	-31.142	290	151	441	1446.83
1108	128.0916	-31.1418	290	150	440	1443.55
1109	128.0639	-31.1416	290	153	443	1453.39
1110	128.2579	-31.1637	290	155	445	1459.96
1111	128.2301	-31.1635	290	165	455	1492.76
1112	128.2024	-31.1634	290	165	455	1492.76

1113	128.1747	-31.1632	290	160	450	1476.36
1114	128.1469	-31.163	290	155	445	1459.96
1115	128.1192	-31.1628	290	153	443	1453.39
1116	128.0914	-31.1626	290	150	440	1443.55
1117	128.0637	-31.1624	290	150	440	1443.55
1118	128.2577	-31.1846	290	150	440	1443.55
1119	128.23	-31.1844	290	153	443	1453.39
1120	128.2022	-31.1842	290	165	455	1492.76
1121	128.1745	-31.1841	290	159	449	1473.08
1122	128.1467	-31.1839	290	155	445	1459.96
1123	128.119	-31.1837	290	150	440	1443.55
1124	128.0912	-31.1835	290	152	442	1450.11
1125	128.0635	-31.1833	290	155	445	1459.96
1126	128.2576	-31.2054	290	152	442	1450.11
1127	128.2298	-31.2053	290	152	442	1450.11
1128	128.2021	-31.2051	290	160	450	1476.36
1129	128.1743	-31.2049	290	160	450	1476.36
1130	128.1188	-31.2046	290	155	445	1459.96
1131	128.091	-31.2044	290	150	440	1443.55
1132	128.0633	-31.2042	290	150	440	1443.55
1133	128.2574	-31.2263	290	150	440	1443.55
1134	128.2296	-31.2261	290	150	440	1443.55
1135	128.2019	-31.226	290	150	440	1443.55
1136	128.1741	-31.2258	290	157	447	1466.52
1137	128.1186	-31.2254	290	150	440	1443.55
1138	128.0908	-31.2252	290	150	440	1443.55
1139	128.0631	-31.225	290	150	440	1443.55
1140	128.2572	-31.2472	290	145	435	1427.15
1141	128.2295	-31.247	290	150	440	1443.55
1142	128.2017	-31.2468	290	145	435	1427.15
1143	128.1739	-31.2467	290	156	446	1463.24
1144	128.1462	-31.2465	290	155	445	1459.96
1145	128.1184	-31.2463	290	150	440	1443.55
1146	128.0906	-31.2461	290	145	435	1427.15
1147	128.0629	-31.2459	290	146	436	1430.43
1148	128.2571	-31.268	290	145	435	1427.15

1149	128.2293	-31.2679	290	145	435	1427.15
1150	128.2015	-31.2677	290	147	437	1433.71
1151	128.1738	-31.2675	290	152	442	1450.11
1152	128.146	-31.2674	290	150	440	1443.55
1153	128.1182	-31.2672	290	150	440	1443.55
1154	128.0904	-31.267	290	150	440	1443.55
1155	128.0627	-31.2668	290	150	440	1443.55
1156	128.2569	-31.2889	290	142	432	1417.31
1157	128.2291	-31.2887	290	143	433	1420.59
1158	128.2014	-31.2886	290	145	435	1427.15
1159	128.1736	-31.2884	290	143	433	1420.59
1160	128.1458	-31.2882	290	145	435	1427.15
1161	128.118	-31.288	290	149	439	1440.27
1162	128.0902	-31.2878	290	147	437	1433.71
1163	128.0625	-31.2876	290	147	437	1433.71
1164	128.2567	-31.3098	290	142	432	1417.31
1165	128.229	-31.3096	290	140	430	1410.74
1166	128.2012	-31.3094	290	140	430	1410.74
1167	128.1734	-31.3093	290	138	428	1404.18
1168	128.1456	-31.3091	290	140	430	1410.74
1169	128.1178	-31.3089	290	145	435	1427.15
1170	128.09	-31.3087	290	145	435	1427.15
1171	128.0623	-31.3085	290	148	438	1436.99
1172	128.2566	-31.3306	290	140	430	1410.74
1173	128.2288	-31.3305	290	140	430	1410.74
1174	128.0119	-31.0994	290	160	450	1476.36
1175	128.015	-31.1203	290	157	447	1466.52
1176	127.9839	-31.1201	290	155	445	1459.96
1177	127.9562	-31.1199	290	160	450	1476.36
1178	127.9285	-31.1196	290	155	445	1459.96
1179	127.9007	-31.1194	290	155	445	1459.96
1180	127.873	-31.1192	290	160	450	1476.36
1181	127.8453	-31.1189	290	164	454	1489.48
1182	127.8176	-31.1187	290	165	455	1492.76
1183	128.0114	-31.1412	290	151	441	1446.83
1184	127.9837	-31.141	290	150	440	1443.55

1185	127.956	-31.1407	290	155	445	1459.96
1186	127.9282	-31.1405	290	155	445	1459.96
1187	127.9005	-31.1403	290	155	445	1459.96
1188	127.8728	-31.14	290	157	447	1466.52
1189	127.845	-31.1398	290	160	450	1476.36
1190	127.8173	-31.1395	290	160	450	1476.36
1191	128.0112	-31.162	290	150	440	1443.55
1192	127.9835	-31.1618	290	155	445	1459.96
1193	127.928	-31.1614	290	146	436	1430.43
1194	127.9003	-31.1611	290	155	445	1459.96
1195	127.8725	-31.1609	290	160	450	1476.36
1196	127.8448	-31.1607	290	155	445	1459.96
1197	127.8171	-31.1604	290	160	450	1476.36
1198	128.011	-31.1829	290	150	440	1443.55
1199	127.9833	-31.1827	290	152	442	1450.11
1200	127.9555	-31.1825	290	151	441	1446.83
1201	127.9278	-31.1822	290	150	440	1443.55
1202	127.9	-31.182	290	148	438	1436.99
1203	127.8723	-31.1818	290	155	445	1459.96
1204	127.8445	-31.1815	290	155	445	1459.96
1205	127.8168	-31.1813	290	158	448	1469.80
1206	128.0108	-31.2038	290	150	440	1443.55
1207	127.983	-31.2036	290	148	438	1436.99
1208	127.9553	-31.2033	290	146	436	1430.43
1209	127.9275	-31.2031	290	146	436	1430.43
1210	127.872	-31.2026	290	155	445	1459.96
1211	127.8443	-31.2024	290	155	445	1459.96
1212	127.8165	-31.2021	290	155	445	1459.96
1213	128.0106	-31.2246	290	145	435	1427.15
1214	127.9828	-31.2244	290	146	436	1430.43
1215	127.9551	-31.2242	290	147	437	1433.71
1216	127.9273	-31.224	290	148	438	1436.99
1217	127.8718	-31.2235	290	150	440	1443.55
1218	127.844	-31.2233	290	155	445	1459.96
1219	127.8163	-31.223	290	156	446	1463.24
1220	128.0103	-31.2455	290	148	438	1436.99

1221	127.9826	-31.2453	290	145	435	1427.15
1222	127.9548	-31.2451	290	145	435	1427.15
1223	127.9271	-31.2448	290	145	435	1427.15
1224	127.8993	-31.2446	290	140	430	1410.74
1225	127.8715	-31.2444	290	150	440	1443.55
1226	127.8438	-31.2441	290	151	441	1446.83
1227	127.816	-31.2439	290	155	445	1459.96
1228	128.0101	-31.2664	290	150	440	1443.55
1229	127.9824	-31.2662	290	145	435	1427.15
1230	127.9509	-31.2659	290	145	435	1427.15
1231	127.9268	-31.2657	290	140	430	1410.74
1232	127.8991	-31.2655	290	145	435	1427.15
1233	127.8713	-31.2652	290	145	435	1427.15
1234	127.8435	-31.265	290	145	435	1427.15
1235	127.8158	-31.2647	290	150	440	1443.55
1236	128.0099	-31.2872	290	145	435	1427.15
1237	127.9821	-31.287	290	145	435	1427.15
1238	127.9534	-31.2868	290	145	435	1427.15
1239	127.9266	-31.2866	290	145	435	1427.15
1240	127.8988	-31.2863	290	140	430	1410.74
1241	127.871	-31.2861	290	145	435	1427.15
1242	127.8433	-31.2859	290	150	440	1443.55
1243	127.8155	-31.2856	290	150	440	1443.55
1244	128.0097	-31.3081	290	145	435	1427.15
1245	127.9819	-31.3079	290	148	438	1436.99
1246	127.9541	-31.3077	290	149	439	1440.27
1247	127.9264	-31.3074	290	146	436	1430.43
1248	127.8986	-31.3072	290	140	430	1410.74
1249	127.8708	-31.307	290	140	430	1410.74
1250	127.843	-31.3067	290	145	435	1427.15
1251	127.8152	-31.3065	290	145	435	1427.15
1252	128.0095	-31.329	290	140	430	1410.74
1253	127.9817	-31.3288	290	148	438	1436.99
1254	127.9539	-31.3285	290	145	435	1427.15
1255	127.9261	-31.3283	290	149	439	1440.27
1256	127.8983	-31.3281	290	143	433	1420.59

1257	127.8705	-31.3278	290	135	425	1394.34
1258	127.8428	-31.3276	290	135	425	1394.34
1259	127.815	-31.3273	290	145	435	1427.15
1260	127.8703	-31.3487	290	135	425	1394.34
1261	127.8425	-31.3484	290	135	425	1394.34
1262	127.8147	-31.3482	290	140	430	1410.74
1263	127.7648	-31.139	290	164	454	1489.48
1264	127.7371	-31.1388	290	165	455	1492.76
1265	127.7094	-31.1385	290	160	450	1476.36
1266	127.6817	-31.1382	290	164	454	1489.48
1267	127.6539	-31.1379	290	162	452	1482.92
1268	127.7646	-31.1599	290	162	452	1482.92
1269	127.7368	-31.1596	290	160	450	1476.36
1270	127.7091	-31.1594	290	160	450	1476.36
1271	127.6814	-31.1591	290	165	455	1492.76
1272	127.6536	-31.1588	290	160	450	1476.36
1273	127.6259	-31.1585	290	160	450	1476.36
1274	127.5982	-31.1582	290	160	450	1476.36
1275	127.5704	-31.1579	290	162	452	1482.92
1276	127.7643	-31.1808	290	165	455	1492.76
1277	127.7366	-31.1805	290	160	450	1476.36
1278	127.7088	-31.1802	290	165	455	1492.76
1279	127.6811	-31.18	290	166	456	1496.04
1280	127.6533	-31.1797	290	163	453	1486.20
1281	127.6256	-31.1794	290	160	450	1476.36
1282	127.5979	-31.1791	290	160	450	1476.36
1283	127.5701	-31.1788	290	160	450	1476.36
1284	127.764	-31.2016	290	160	450	1476.36
1285	127.7363	-31.2014	290	160	450	1476.36
1286	127.7085	-31.2011	290	165	455	1492.76
1287	127.6808	-31.2008	290	165	455	1492.76
1288	127.653	-31.2005	290	165	455	1492.76
1289	127.6253	-31.2002	290	160	450	1476.36
1290	127.5975	-31.1999	290	160	450	1476.36
1291	127.5698	-31.1996	290	160	450	1476.36
1292	127.7638	-31.2225	290	158	448	1469.80

1293	127.736	-31.2222	290	160	450	1476.36
1294	127.7083	-31.222	290	160	450	1476.36
1295	127.6805	-31.2217	290	165	455	1492.76
1296	127.6527	-31.2214	290	165	455	1492.76
1297	127.625	-31.2211	290	165	455	1492.76
1298	127.5972	-31.2208	290	160	450	1476.36
1299	127.5695	-31.2205	290	160	450	1476.36
1300	127.7635	-31.2434	290	155	445	1459.96
1301	127.7357	-31.2431	290	156	446	1463.24
1302	127.708	-31.2428	290	155	445	1459.96
1303	127.6802	-31.2425	290	160	450	1476.36
1304	127.6247	-31.242	290	160	450	1476.36
1305	127.5969	-31.2417	290	160	450	1476.36
1306	127.5692	-31.2414	290	160	450	1476.36
1307	127.7632	-31.2642	290	154	444	1456.68
1308	127.7354	-31.264	290	158	448	1469.80
1309	127.7077	-31.2637	290	151	441	1446.83
1310	127.6799	-31.2634	290	160	450	1476.36
1311	127.6244	-31.2628	290	160	450	1476.36
1312	127.5966	-31.2625	290	160	450	1476.36
1313	127.5689	-31.2622	290	158	448	1469.80
1314	127.7629	-31.2851	290	145	435	1427.15
1315	127.7352	-31.2848	290	145	435	1427.15
1316	127.7074	-31.2846	290	145	435	1427.15
1317	127.6796	-31.2843	290	155	445	1459.96
1318	127.6519	-31.284	290	155	445	1459.96
1319	127.6241	-31.2837	290	158	448	1469.80
1320	127.5963	-31.2834	290	155	445	1459.96
1321	127.5685	-31.2831	290	160	450	1476.36
1322	127.7627	-31.306	290	145	435	1427.15
1323	127.7349	-31.3057	290	145	435	1427.15
1324	127.7071	-31.3054	290	145	435	1427.15
1325	127.6793	-31.3051	290	150	440	1443.55
1326	127.6516	-31.3049	290	155	445	1459.96
1327	127.6238	-31.3046	290	155	445	1459.96
1328	127.596	-31.3043	290	160	450	1476.36

1329	127.5682	-31.3039	290	155	445	1459.96
1330	127.7624	-31.3268	290	150	440	1443.55
1331	127.7346	-31.3266	290	140	430	1410.74
1332	127.7068	-31.3263	290	144	434	1423.87
1333	127.679	-31.326	290	145	435	1427.15
1334	127.6513	-31.3257	290	146	436	1430.43
1335	127.6235	-31.3254	290	150	440	1443.55
1336	127.5957	-31.3251	290	160	450	1476.36
1337	127.5679	-31.3248	290	160	450	1476.36
1338	127.7621	-31.3477	290	145	435	1427.15
1339	127.7343	-31.3474	290	145	435	1427.15
1340	127.7065	-31.3472	290	140	430	1410.74
1341	127.6788	-31.3469	290	140	430	1410.74
1342	127.651	-31.3466	290	142	432	1417.31
1343	127.6232	-31.3463	290	150	440	1443.55
1344	127.5954	-31.346	290	159	449	1473.08
1345	127.5676	-31.3457	290	159	449	1473.08
1346	127.7619	-31.3686	290	140	430	1410.74
1347	127.7341	-31.3683	290	140	430	1410.74
1348	127.7063	-31.368	290	140	430	1410.74
1349	127.6785	-31.3677	290	145	435	1427.15
1350	127.6507	-31.3674	290	140	430	1410.74
1351	127.6229	-31.3671	290	155	445	1459.96
1352	127.5951	-31.3668	290	154	444	1456.68
1353	127.5673	-31.3665	290	155	445	1459.96
1354	127.4348	-31.1563	290	159	449	1473.08
1355	127.407	-31.156	290	163	453	1486.20
1356	127.3793	-31.1556	290	165	455	1492.76
1357	127.3516	-31.1553	290	165	455	1492.76
1358	127.3238	-31.1549	290	165	455	1492.76
1359	127.5176	-31.1782	290	163	453	1486.20
1360	127.4899	-31.1779	290	165	455	1492.76
1361	127.4622	-31.1775	290	159	449	1473.08
1362	127.4344	-31.1772	290	157	447	1466.52
1363	127.4067	-31.1768	290	164	454	1489.48
1364	127.3789	-31.1765	290	165	455	1492.76

1365	127.3512	-31.1761	290	165	455	1492.76
1366	127.3235	-31.1758	290	165	455	1492.76
1367	127.5173	-31.199	290	164	454	1489.48
1368	127.4896	-31.1987	290	165	455	1492.76
1369	127.4618	-31.1984	290	160	450	1476.36
1370	127.4341	-31.1981	290	155	445	1459.96
1371	127.4063	-31.1977	290	160	450	1476.36
1372	127.3786	-31.1974	290	165	455	1492.76
1373	127.3508	-31.197	290	165	455	1492.76
1374	127.3231	-31.1967	290	165	455	1492.76
1375	127.517	-31.2199	290	160	450	1476.36
1376	127.4892	-31.2196	290	165	455	1492.76
1377	127.4615	-31.2192	290	152	442	1450.11
1378	127.4337	-31.2189	290	155	445	1459.96
1379	127.406	-31.2186	290	160	450	1476.36
1380	127.3782	-31.2182	290	164	454	1489.48
1381	127.3505	-31.2179	290	160	450	1476.36
1382	127.3227	-31.2175	290	160	450	1476.36
1383	127.5167	-31.2408	290	160	450	1476.36
1384	127.4889	-31.2404	290	164	454	1489.48
1385	127.4611	-31.2401	290	152	442	1450.11
1386	127.4334	-31.2398	290	150	440	1443.55
1387	127.4056	-31.2394	290	160	450	1476.36
1388	127.3779	-31.2391	290	160	450	1476.36
1389	127.3501	-31.2387	290	160	450	1476.36
1390	127.3224	-31.2384	290	160	450	1476.36
1391	127.5163	-31.2616	290	160	450	1476.36
1392	127.4886	-31.2613	290	160	450	1476.36
1393	127.4608	-31.261	290	150	440	1443.55
1394	127.433	-31.2606	290	145	435	1427.15
1395	127.3775	-31.2599	290	160	450	1476.36
1396	127.3498	-31.2596	290	160	450	1476.36
1397	127.322	-31.2592	290	160	450	1476.36
1398	127.516	-31.2825	290	160	450	1476.36
1399	127.4882	-31.2822	290	162	452	1482.92
1400	127.4605	-31.2818	290	150	440	1443.55

1401	127.4327	-31.2815	290	140	430	1410.74
1402	127.3772	-31.2808	290	160	450	1476.36
1403	127.3494	-31.2805	290	162	452	1482.92
1404	127.3216	-31.2801	290	160	450	1476.36
1405	127.5157	-31.3034	290	160	450	1476.36
1406	127.4879	-31.303	290	162	452	1482.92
1407	127.4601	-31.3027	290	148	438	1436.99
1408	127.4324	-31.3024	290	145	435	1427.15
1409	127.4046	-31.302	290	150	440	1443.55
1410	127.3768	-31.3017	290	160	450	1476.36
1411	127.349	-31.3013	290	160	450	1476.36
1412	127.3213	-31.301	290	160	450	1476.36
1413	127.5153	-31.3242	290	155	445	1459.96
1414	127.4876	-31.3239	290	160	450	1476.36
1415	127.4598	-31.3236	290	150	440	1443.55
1416	127.432	-31.3232	290	148	438	1436.99
1417	127.4042	-31.3229	290	146	436	1430.43
1418	127.3764	-31.3225	290	159	449	1473.08
1419	127.3487	-31.3222	290	160	450	1476.36
1420	127.3209	-31.3218	290	160	450	1476.36
1421	127.515	-31.3451	290	155	445	1459.96
1422	127.4872	-31.3448	290	157	447	1466.52
1423	127.4594	-31.3444	290	150	440	1443.55
1424	127.4317	-31.3441	290	150	440	1443.55
1425	127.4039	-31.3437	290	145	435	1427.15
1426	127.3761	-31.3434	290	158	448	1469.80
1427	127.3483	-31.343	290	160	450	1476.36
1428	127.3205	-31.3427	290	160	450	1476.36
1429	127.5147	-31.3659	290	155	445	1459.96
1430	127.4869	-31.3656	290	160	450	1476.36
1431	127.4591	-31.3653	290	150	440	1443.55
1432	127.4313	-31.3649	290	150	440	1443.55
1433	127.4035	-31.3646	290	150	440	1443.55
1434	127.3757	-31.3643	290	154	444	1456.68
1435	127.3479	-31.3639	290	155	445	1459.96
1436	127.3202	-31.3635	290	160	450	1476.36

1437	127.5144	-31.3868	290	155	445	1459.96
1438	127.4866	-31.3865	290	155	445	1459.96
1439	127.4588	-31.3861	290	150	440	1443.55
1440	127.431	-31.3858	290	148	438	1436.99
1441	127.4032	-31.3855	290	146	436	1430.43
1442	127.3754	-31.3851	290	150	440	1443.55
1443	127.271	-31.1751	290	165	455	1492.76
1444	127.2433	-31.1747	290	165	455	1492.76
1445	127.2155	-31.1743	290	165	455	1492.76
1446	127.1878	-31.174	290	165	455	1492.76
1447	127.2706	-31.196	290	165	455	1492.76
1448	127.2429	-31.1956	290	165	455	1492.76
1449	127.2151	-31.1952	290	160	450	1476.36
1450	127.1874	-31.1948	290	165	455	1492.76
1451	127.1597	-31.1944	290	165	455	1492.76
1452	127.1319	-31.194	290	165	455	1492.76
1453	127.1042	-31.1936	290	165	455	1492.76
1454	127.0765	-31.1932	290	165	455	1492.76
1455	127.2702	-31.2168	290	165	455	1492.76
1456	127.2425	-31.2164	290	165	455	1492.76
1457	127.2147	-31.2161	290	161	451	1479.64
1458	127.187	-31.2157	290	165	455	1492.76
1459	127.1593	-31.2153	290	161	451	1479.64
1460	127.1315	-31.2149	290	165	455	1492.76
1461	127.1038	-31.2145	290	165	455	1492.76
1462	127.076	-31.2141	290	165	455	1492.76
1463	127.2699	-31.2377	290	160	450	1476.36
1464	127.2421	-31.2373	290	163	453	1486.20
1465	127.2144	-31.2369	290	165	455	1492.76
1466	127.1866	-31.2365	290	160	450	1476.36
1467	127.1589	-31.2361	290	160	450	1476.36
1468	127.1311	-31.2357	290	160	450	1476.36
1469	127.1034	-31.2353	290	162	452	1482.92
1470	127.0756	-31.2349	290	160	450	1476.36
1471	127.2695	-31.2585	290	155	445	1459.96
1472	127.2417	-31.2582	290	160	450	1476.36

1473	127.214	-31.2578	290	160	450	1476.36
1474	127.1862	-31.2574	290	160	450	1476.36
1475	127.1584	-31.257	290	160	450	1476.36
1476	127.1307	-31.2566	290	160	450	1476.36
1477	127.1029	-31.2562	290	160	450	1476.36
1478	127.0752	-31.2558	290	160	450	1476.36
1479	127.2691	-31.2794	290	160	450	1476.36
1480	127.2413	-31.279	290	157	447	1466.52
1481	127.2136	-31.2786	290	160	450	1476.36
1482	127.1858	-31.2782	290	159	449	1473.08
1483	127.1303	-31.2775	290	160	450	1476.36
1484	127.1025	-31.277	290	157	447	1466.52
1485	127.0748	-31.2766	290	160	450	1476.36
1486	127.2687	-31.3003	290	161	451	1479.64
1487	127.2409	-31.2999	290	160	450	1476.36
1488	127.2132	-31.2995	290	162	452	1482.92
1489	127.1854	-31.2991	290	160	450	1476.36
1490	127.1299	-31.2983	290	158	448	1469.80
1491	127.1021	-31.2979	290	150	440	1443.55
1492	127.0743	-31.2975	290	155	445	1459.96
1493	127.2683	-31.3211	290	164	454	1489.48
1494	127.2406	-31.3207	290	155	445	1459.96
1495	127.2128	-31.3204	290	160	450	1476.36
1496	127.185	-31.32	290	160	450	1476.36
1497	127.1572	-31.3196	290	160	450	1476.36
1498	127.1295	-31.3192	290	160	450	1476.36
1499	127.1017	-31.3188	290	148	438	1436.99
1500	127.0739	-31.3183	290	155	445	1459.96
1501	127.268	-31.342	290	155	445	1459.96
1502	127.2402	-31.3416	290	160	450	1476.36
1503	127.2124	-31.3412	290	158	448	1469.80
1504	127.1846	-31.3408	290	159	449	1473.08
1505	127.1568	-31.3404	290	154	444	1456.68
1506	127.129	-31.34	290	155	445	1459.96
1507	127.1013	-31.3396	290	150	440	1443.55
1508	127.0735	-31.3392	290	155	445	1459.96

1509	127.2676	-31.3628	290	155	445	1459.96
1510	127.2398	-31.3625	290	160	450	1476.36
1511	127.212	-31.3621	290	160	450	1476.36
1512	127.1842	-31.3617	290	153	443	1453.39
1513	127.1564	-31.3613	290	151	441	1446.83
1514	127.1286	-31.3609	290	150	440	1443.55
1515	127.1008	-31.3605	290	150	440	1443.55
1516	127.0731	-31.3601	290	155	445	1459.96
1517	127.2672	-31.3837	290	150	440	1443.55
1518	127.2394	-31.3833	290	160	450	1476.36
1519	127.2116	-31.3829	290	154	444	1456.68
1520	127.1838	-31.3825	290	150	440	1443.55
1521	127.156	-31.3821	290	150	440	1443.55
1522	127.1282	-31.3817	290	150	440	1443.55
1523	127.1004	-31.3813	290	146	436	1430.43
1524	127.0726	-31.3809	290	155	445	1459.96
1525	127.239	-31.4042	290	154	444	1456.68
1526	127.2112	-31.4038	290	150	440	1443.55
1527	127.1834	-31.4034	290	147	437	1433.71
1528	127.1556	-31.403	290	150	440	1443.55
1529	127.1278	-31.4026	290	150	440	1443.55
1530	127.1	-31.4022	290	150	440	1443.55
1531	127.0722	-31.4018	290	150	440	1443.55
1532	127.0235	-31.2133	290	165	455	1492.76
1533	126.9958	-31.2128	290	160	450	1476.36
1534	126.9681	-31.2124	290	164	454	1489.48
1535	126.9403	-31.212	290	160	450	1476.36
1536	126.9126	-31.2115	290	164	454	1489.48
1537	126.8848	-31.2111	290	162	452	1482.92
1538	126.8571	-31.2106	290	160	450	1476.36
1539	126.8294	-31.2101	290	165	455	1492.76
1540	127.0231	-31.2341	290	160	450	1476.36
1541	126.9954	-31.2337	290	160	450	1476.36
1542	126.9676	-31.2333	290	165	455	1492.76
1543	126.9399	-31.2328	290	160	450	1476.36
1544	126.9121	-31.2324	290	160	450	1476.36

1545	126.8844	-31.2319	290	163	453	1486.20
1546	126.8566	-31.2315	290	159	449	1473.08
1547	126.8289	-31.231	290	160	450	1476.36
1548	127.0227	-31.255	290	160	450	1476.36
1549	126.9949	-31.2545	290	160	450	1476.36
1550	126.9672	-31.2541	290	160	450	1476.36
1551	126.9394	-31.2537	290	160	450	1476.36
1552	126.9117	-31.2532	290	160	450	1476.36
1553	126.8839	-31.2528	290	160	450	1476.36
1554	126.8562	-31.2523	290	159	449	1473.08
1555	126.8284	-31.2518	290	155	445	1459.96
1556	127.0222	-31.2758	290	160	450	1476.36
1557	126.9945	-31.2754	290	160	450	1476.36
1558	126.9667	-31.275	290	160	450	1476.36
1559	126.939	-31.2745	290	160	450	1476.36
1560	126.9112	-31.2741	290	160	450	1476.36
1561	126.8834	-31.2736	290	159	449	1473.08
1562	126.8557	-31.2732	290	155	445	1459.96
1563	126.8279	-31.2727	290	153	443	1453.39
1564	127.0218	-31.2967	290	162	452	1482.92
1565	126.994	-31.2963	290	160	450	1476.36
1566	126.9663	-31.2958	290	160	450	1476.36
1567	126.9385	-31.2954	290	160	450	1476.36
1568	126.9107	-31.2949	290	160	450	1476.36
1569	126.883	-31.2945	290	158	448	1469.80
1570	126.8552	-31.294	290	160	450	1476.36
1571	126.8275	-31.2936	290	152	442	1450.11
1572	127.0214	-31.3175	290	162	452	1482.92
1573	126.9936	-31.3171	290	157	447	1466.52
1574	126.9658	-31.3167	290	155	445	1459.96
1575	126.938	-31.3162	290	160	450	1476.36
1576	126.8825	-31.3153	290	155	445	1459.96
1577	126.8547	-31.3149	290	155	445	1459.96
1578	126.827	-31.3144	290	155	445	1459.96
1579	127.0209	-31.3384	290	158	448	1469.80
1580	126.9931	-31.338	290	160	450	1476.36

1581	126.9654	-31.3375	290	150	440	1443.55
1582	126.9376	-31.3371	290	155	445	1459.96
1583	126.882	-31.3362	290	155	445	1459.96
1584	126.8543	-31.3357	290	160	450	1476.36
1585	126.8265	-31.3353	290	155	445	1459.96
1586	127.0205	-31.3593	290	155	445	1459.96
1587	126.9927	-31.3588	290	160	450	1476.36
1588	126.9649	-31.3584	290	155	445	1459.96
1589	126.9371	-31.358	290	150	440	1443.55
1590	126.9094	-31.3575	290	155	445	1459.96
1591	126.8816	-31.357	290	155	445	1459.96
1592	126.8538	-31.3566	290	155	445	1459.96
1593	126.826	-31.3561	290	150	440	1443.55
1594	127.02	-31.3801	290	150	440	1443.55
1595	126.9923	-31.3797	290	155	445	1459.96
1596	126.9645	-31.3793	290	155	445	1459.96
1597	126.9367	-31.3788	290	150	440	1443.55
1598	126.9089	-31.3784	290	148	438	1436.99
1599	126.8811	-31.3779	290	152	442	1450.11
1600	126.8533	-31.3774	290	154	444	1456.68
1601	126.8255	-31.377	290	150	440	1443.55
1602	127.0196	-31.401	290	150	440	1443.55
1603	126.9918	-31.4005	290	151	441	1446.83
1604	126.964	-31.4001	290	155	445	1459.96
1605	126.9362	-31.3997	290	153	443	1453.39
1606	126.9084	-31.3992	290	150	440	1443.55
1607	126.8806	-31.3988	290	150	440	1443.55
1608	126.8528	-31.3983	290	150	440	1443.55
1609	126.8251	-31.3978	290	150	440	1443.55
1610	127.0192	-31.4218	290	150	440	1443.55
1611	126.9914	-31.4214	290	150	440	1443.55
1612	126.9636	-31.421	290	150	440	1443.55
1613	126.9358	-31.4205	290	155	445	1459.96
1614	126.908	-31.4201	290	150	440	1443.55
1615	126.8802	-31.4196	290	150	440	1443.55
1616	126.8524	-31.4191	290	150	440	1443.55

1617	126.8246	-31.4187	290	150	440	1443.55
1618	127.0187	-31.4427	290	146	436	1430.43
1619	126.9909	-31.4423	290	145	435	1427.15
1620	126.9631	-31.4418	290	148	438	1436.99
1621	126.9353	-31.4414	290	145	435	1427.15
1622	126.9075	-31.4409	290	150	440	1443.55
1623	126.8797	-31.4405	290	150	440	1443.55
1624	126.8519	-31.44	290	150	440	1443.55
1625	126.8241	-31.4395	290	150	440	1443.55
1626	128.998	-31.3119	290	131	421	1381.22
1627	128.998	-31.3328	290	132	422	1384.50
1628	128.9702	-31.3328	290	130	420	1377.94
1629	128.9424	-31.3328	290	130	420	1377.94
1630	128.9146	-31.3328	290	135	425	1394.34
1631	128.8868	-31.3328	290	131	421	1381.22
1632	128.859	-31.3327	290	135	425	1394.34
1633	128.8312	-31.3327	290	131	421	1381.22
1634	128.998	-31.3537	290	125	415	1361.53
1635	128.9702	-31.3537	290	126	416	1364.81
1636	128.9424	-31.3537	290	130	420	1377.94
1637	128.9146	-31.3536	290	130	420	1377.94
1638	128.8868	-31.3536	290	130	420	1377.94
1639	128.859	-31.3536	290	130	420	1377.94
1640	128.8312	-31.3536	290	130	420	1377.94
1641	128.998	-31.3745	290	124	414	1358.25
1642	128.9702	-31.3745	290	126	416	1364.81
1643	128.9424	-31.3745	290	129	419	1374.66
1644	128.9146	-31.3745	290	130	420	1377.94
1645	128.8867	-31.3745	290	129	419	1374.66
1646	128.8589	-31.3745	290	130	420	1377.94
1647	128.8311	-31.3744	290	130	420	1377.94
1648	128.998	-31.3954	290	115	405	1328.72
1649	128.9702	-31.3954	290	125	415	1361.53
1650	128.9423	-31.3954	290	120	410	1345.13
1651	128.9145	-31.3954	290	125	415	1361.53
1652	128.8867	-31.3954	290	130	420	1377.94

1653	128.8589	-31.3953	290	130	420	1377.94
1654	128.8311	-31.3953	290	130	420	1377.94
1655	128.998	-31.4163	290	113	403	1322.16
1656	128.9701	-31.4163	290	115	405	1328.72
1657	128.9423	-31.4163	290	117	407	1335.29
1658	128.9145	-31.4162	290	125	415	1361.53
1659	128.8867	-31.4162	290	125	415	1361.53
1660	128.8589	-31.4162	290	125	415	1361.53
1661	128.8311	-31.4162	290	130	420	1377.94
1662	128.998	-31.4371	290	110	400	1312.32
1663	128.9701	-31.4371	290	110	400	1312.32
1664	128.9423	-31.4371	290	113	403	1322.16
1665	128.8867	-31.4371	290	118	408	1338.57
1666	128.8588	-31.4371	290	125	415	1361.53
1667	128.831	-31.437	290	125	415	1361.53
1668	128.998	-31.458	290	108	398	1305.76
1669	128.9701	-31.458	290	110	400	1312.32
1670	128.9423	-31.458	290	110	400	1312.32
1671	128.8866	-31.458	290	110	400	1312.32
1672	128.8588	-31.4579	290	115	405	1328.72
1673	128.831	-31.4579	290	120	410	1345.13
1674	128.998	-31.4789	290	109	399	1309.04
1675	128.9701	-31.4789	290	110	400	1312.32
1676	128.9423	-31.4789	290	110	400	1312.32
1677	128.9145	-31.4789	290	110	400	1312.32
1678	128.8866	-31.4788	290	110	400	1312.32
1679	128.8588	-31.4788	290	112	402	1318.88
1680	128.8309	-31.4788	290	116	406	1332.00
1681	128.998	-31.4998	290	105	395	1295.92
1682	128.9701	-31.4998	290	105	395	1295.92
1683	128.9423	-31.4997	290	108	398	1305.76
1684	128.9144	-31.4997	290	110	400	1312.32
1685	128.8866	-31.4997	290	105	395	1295.92
1686	128.8588	-31.4997	290	114	404	1325.44
1687	128.8309	-31.4996	290	115	405	1328.72
1688	128.998	-31.5206	290	105	395	1295.92

1689	128.9701	-31.5206	290	105	395	1295.92
1690	128.9423	-31.5206	290	105	395	1295.92
1691	128.9144	-31.5206	290	109	399	1309.04
1692	128.8866	-31.5206	290	110	400	1312.32
1693	128.8587	-31.5205	290	110	400	1312.32
1694	128.8309	-31.5205	290	110	400	1312.32
1695	128.998	-31.5365	290	101	391	1282.79
1696	128.9701	-31.5415	290	101	391	1282.79
1697	128.9423	-31.5415	290	105	395	1295.92
1698	128.9144	-31.5415	290	105	395	1295.92
1699	128.8865	-31.5414	290	110	400	1312.32
1700	128.8587	-31.5414	290	110	400	1312.32
1701	128.8308	-31.5414	290	110	400	1312.32
1702	128.9422	-31.5623	290	104	394	1292.64
1703	128.9144	-31.5623	290	105	395	1295.92
1704	128.8865	-31.5623	290	105	395	1295.92
1705	128.8587	-31.5623	290	105	395	1295.92
1706	128.8308	-31.5623	290	110	400	1312.32
1707	128.9144	-31.5832	290	105	395	1295.92
1708	128.8865	-31.5832	290	102	392	1286.07
1709	128.8586	-31.5832	290	105	395	1295.92
1710	128.8308	-31.5831	290	105	395	1295.92
1711	128.8865	-31.6034	290	105	395	1295.92
1712	128.8586	-31.604	290	100	390	1279.51
1713	128.8307	-31.604	290	102	392	1286.07
1714	128.8307	-31.6249	290	98	388	1272.95
1715	128.7788	-31.2491	290	135	425	1394.34
1716	128.751	-31.2491	290	140	430	1410.74
1717	128.7233	-31.249	290	140	430	1410.74
1718	128.6955	-31.249	290	140	430	1410.74
1719	128.6677	-31.2489	290	140	430	1410.74
1720	128.7788	-31.27	290	131	421	1381.22
1721	128.751	-31.2699	290	135	425	1394.34
1722	128.7232	-31.2699	290	135	425	1394.34
1723	128.6954	-31.2698	290	135	425	1394.34
1724	128.6677	-31.2698	290	140	430	1410.74

1725	128.6399	-31.2697	290	140	430	1410.74
1726	128.6121	-31.2696	290	140	430	1410.74
1727	128.5844	-31.2695	290	138	428	1404.18
1728	128.5566	-31.2694	290	135	425	1394.34
1729	128.7787	-31.2909	290	130	420	1377.94
1730	128.7509	-31.2908	290	135	425	1394.34
1731	128.7232	-31.2908	290	135	425	1394.34
1732	128.6954	-31.2907	290	135	425	1394.34
1733	128.6676	-31.2906	290	135	425	1394.34
1734	128.6398	-31.2906	290	136	426	1397.62
1735	128.612	-31.2905	290	135	425	1394.34
1736	128.5843	-31.2904	290	136	426	1397.62
1737	128.5565	-31.2903	290	130	420	1377.94
1738	128.7787	-31.3117	290	130	420	1377.94
1739	128.7509	-31.3117	290	132	422	1384.50
1740	128.7231	-31.3116	290	135	425	1394.34
1741	128.6953	-31.3116	290	135	425	1394.34
1742	128.6675	-31.3115	290	135	425	1394.34
1743	128.6397	-31.3114	290	140	430	1410.74
1744	128.612	-31.3113	290	140	430	1410.74
1745	128.5842	-31.3113	290	137	427	1400.90
1746	128.5564	-31.3112	290	135	425	1394.34
1747	128.7786	-31.3326	290	130	420	1377.94
1748	128.7508	-31.3326	290	135	425	1394.34
1749	128.723	-31.3325	290	133	423	1387.78
1750	128.6952	-31.3324	290	135	425	1394.34
1751	128.6675	-31.3324	290	140	430	1410.74
1752	128.6397	-31.3323	290	140	430	1410.74
1753	128.6119	-31.3322	290	135	425	1394.34
1754	128.5841	-31.3321	290	135	425	1394.34
1755	128.5563	-31.332	290	133	423	1387.78
1756	128.7786	-31.3535	290	130	420	1377.94
1757	128.7508	-31.3534	290	131	421	1381.22
1758	128.723	-31.3534	290	130	420	1377.94
1759	128.6952	-31.3533	290	137	427	1400.90
1760	128.6396	-31.3532	290	135	425	1394.34

1761	128.6118	-31.3531	290	135	425	1394.34
1762	128.584	-31.353	290	135	425	1394.34
1763	128.5562	-31.3529	290	133	423	1387.78
1764	128.7785	-31.3743	290	132	422	1384.50
1765	128.7507	-31.3743	290	130	420	1377.94
1766	128.7229	-31.3742	290	125	415	1361.53
1767	128.6951	-31.3742	290	135	425	1394.34
1768	128.6395	-31.374	290	135	425	1394.34
1769	128.6117	-31.374	290	131	421	1381.22
1770	128.5839	-31.3739	290	135	425	1394.34
1771	128.5561	-31.3738	290	135	425	1394.34
1772	128.7785	-31.3952	290	130	420	1377.94
1773	128.7507	-31.3952	290	130	420	1377.94
1774	128.7229	-31.3951	290	130	420	1377.94
1775	128.695	-31.395	290	130	420	1377.94
1776	128.6672	-31.395	290	133	423	1387.78
1777	128.6394	-31.3949	290	135	425	1394.34
1778	128.6116	-31.3948	290	130	420	1377.94
1779	128.5838	-31.3947	290	135	425	1394.34
1780	128.556	-31.3946	290	125	415	1361.53
1781	128.7784	-31.4161	290	125	415	1361.53
1782	128.7506	-31.416	290	130	420	1377.94
1783	128.7228	-31.416	290	125	415	1361.53
1784	128.695	-31.4159	290	130	420	1377.94
1785	128.6672	-31.4158	290	130	420	1377.94
1786	128.6393	-31.4158	290	130	420	1377.94
1787	128.6115	-31.4157	290	130	420	1377.94
1788	128.5837	-31.4156	290	130	420	1377.94
1789	128.5559	-31.4155	290	125	415	1361.53
1790	128.7784	-31.437	290	120	410	1345.13
1791	128.7506	-31.4369	290	125	415	1361.53
1792	128.7227	-31.4368	290	121	411	1348.41
1793	128.6949	-31.4368	290	126	416	1364.81
1794	128.6671	-31.4367	290	125	415	1361.53
1795	128.6393	-31.4366	290	130	420	1377.94
1796	128.6114	-31.4366	290	135	425	1394.34

1797	128.5836	-31.4365	290	125	415	1361.53
1798	128.5558	-31.4364	290	125	415	1361.53
1799	128.7783	-31.4578	290	125	415	1361.53
1800	128.7505	-31.4578	290	120	410	1345.13
1801	128.7227	-31.4577	290	120	410	1345.13
1802	128.6948	-31.4577	290	130	420	1377.94
1803	128.667	-31.4576	290	125	415	1361.53
1804	128.6392	-31.4575	290	127	417	1368.09
1805	128.6114	-31.4574	290	125	415	1361.53
1806	128.5835	-31.4573	290	127	417	1368.09
1807	128.5557	-31.4572	290	120	410	1345.13
1808	128.5038	-31.311	290	130	420	1377.94
1809	128.476	-31.3109	290	133	423	1387.78
1810	128.4482	-31.3107	290	134	424	1391.06
1811	128.4205	-31.3106	290	140	430	1410.74
1812	128.3927	-31.3105	290	140	430	1410.74
1813	128.3649	-31.3104	290	140	430	1410.74
1814	128.3371	-31.3102	290	140	430	1410.74
1815	128.3093	-31.3101	290	140	430	1410.74
1816	128.5037	-31.3318	290	133	423	1387.78
1817	128.4759	-31.3317	290	130	420	1377.94
1818	128.4481	-31.3316	290	136	426	1397.62
1819	128.4203	-31.3315	290	140	430	1410.74
1820	128.3925	-31.3314	290	140	430	1410.74
1821	128.3647	-31.3312	290	140	430	1410.74
1822	128.337	-31.3311	290	140	430	1410.74
1823	128.3092	-31.3309	290	140	430	1410.74
1824	128.5036	-31.3527	290	130	420	1377.94
1825	128.4758	-31.3526	290	130	420	1377.94
1826	128.448	-31.3525	290	135	425	1394.34
1827	128.4202	-31.3524	290	139	429	1407.46
1828	128.3924	-31.3522	290	139	429	1407.46
1829	128.3646	-31.3521	290	130	420	1377.94
1830	128.3368	-31.352	290	140	430	1410.74
1831	128.309	-31.3518	290	143	433	1420.59
1832	128.5035	-31.3736	290	130	420	1377.94

1833	128.4757	-31.3735	290	130	420	1377.94
1834	128.4479	-31.3734	290	135	425	1394.34
1835	128.4201	-31.3732	290	135	425	1394.34
1836	128.3923	-31.3731	290	130	420	1377.94
1837	128.3645	-31.373	290	130	420	1377.94
1838	128.3367	-31.3728	290	136	426	1397.62
1839	128.3089	-31.3727	290	145	435	1427.15
1840	128.5034	-31.3944	290	125	415	1361.53
1841	128.4756	-31.3943	290	125	415	1361.53
1842	128.4477	-31.3942	290	130	420	1377.94
1843	128.4199	-31.3941	290	134	424	1391.06
1844	128.3643	-31.3938	290	130	420	1377.94
1845	128.3365	-31.3937	290	135	425	1394.34
1846	128.3087	-31.3935	290	140	430	1410.74
1847	128.5033	-31.4153	290	125	415	1361.53
1848	128.4754	-31.4152	290	125	415	1361.53
1849	128.4476	-31.4151	290	128	418	1371.37
1850	128.4198	-31.415	290	128	418	1371.37
1851	128.3642	-31.4147	290	130	420	1377.94
1852	128.3364	-31.4146	290	126	416	1364.81
1853	128.3086	-31.4144	290	135	425	1394.34
1854	128.5031	-31.4362	290	122	412	1351.69
1855	128.4753	-31.4361	290	120	410	1345.13
1856	128.4475	-31.436	290	129	419	1374.66
1857	128.4197	-31.4358	290	125	415	1361.53
1858	128.3919	-31.4357	290	125	415	1361.53
1859	128.364	-31.4356	290	125	415	1361.53
1860	128.3362	-31.4354	290	128	418	1371.37
1861	128.3084	-31.4353	290	135	425	1394.34
1862	128.503	-31.4571	290	120	410	1345.13
1863	128.4752	-31.4569	290	120	410	1345.13
1864	128.4474	-31.4568	290	125	415	1361.53
1865	128.4196	-31.4567	290	122	412	1351.69
1866	128.3917	-31.4566	290	120	410	1345.13
1867	128.3639	-31.4564	290	120	410	1345.13
1868	128.3361	-31.4563	290	125	415	1361.53

1869	128.3082	-31.4561	290	130	420	1377.94
1870	128.5029	-31.4779	290	115	405	1328.72
1871	128.4751	-31.4778	290	119	409	1341.85
1872	128.4473	-31.4777	290	122	412	1351.69
1873	128.4194	-31.4776	290	120	410	1345.13
1874	128.3916	-31.4774	290	120	410	1345.13
1875	128.3638	-31.4773	290	120	410	1345.13
1876	128.3359	-31.4772	290	120	410	1345.13
1877	128.3081	-31.477	290	124	414	1358.25
1878	128.5028	-31.4988	290	115	405	1328.72
1879	128.475	-31.4987	290	115	405	1328.72
1880	128.4471	-31.4986	290	116	406	1332.00
1881	128.4193	-31.4984	290	120	410	1345.13
1882	128.3915	-31.4983	290	120	410	1345.13
1883	128.3636	-31.4982	290	118	408	1338.57
1884	128.3358	-31.498	290	115	405	1328.72
1885	128.3079	-31.4979	290	117	407	1335.29
1886	128.5027	-31.5197	290	115	405	1328.72
1887	128.4749	-31.5195	290	115	405	1328.72
1888	128.447	-31.5194	290	115	405	1328.72
1889	128.4192	-31.5193	290	115	405	1328.72
1890	128.3913	-31.5192	290	115	405	1328.72
1891	128.3635	-31.519	290	115	405	1328.72
1892	128.3356	-31.5189	290	120	410	1345.13
1893	128.3078	-31.5188	290	115	405	1328.72
1894	128.3633	-31.5399	290	115	405	1328.72
1895	128.3355	-31.5398	290	115	405	1328.72
1896	128.3076	-31.5396	290	115	405	1328.72
1897	128.201	-31.3303	290	140	430	1410.74
1898	128.1732	-31.3301	290	138	428	1404.18
1899	128.1454	-31.33	290	137	427	1400.90
1900	128.1176	-31.3298	290	140	430	1410.74
1901	128.0898	-31.3296	290	145	435	1427.15
1902	128.0621	-31.3294	290	145	435	1427.15
1903	128.2564	-31.3515	290	138	428	1404.18
1904	128.2286	-31.3514	290	135	425	1394.34

1905	128.2008	-31.3512	290	135	425	1394.34
1906	128.173	-31.351	290	140	430	1410.74
1907	128.1452	-31.3508	290	135	425	1394.34
1908	128.1174	-31.3506	290	137	427	1400.90
1909	128.0896	-31.3504	290	140	430	1410.74
1910	128.0618	-31.3502	290	145	435	1427.15
1911	128.2562	-31.3724	290	135	425	1394.34
1912	128.2284	-31.3722	290	130	420	1377.94
1913	128.2006	-31.372	290	135	425	1394.34
1914	128.1728	-31.3719	290	134	424	1391.06
1915	128.145	-31.3717	290	135	425	1394.34
1916	128.1172	-31.3715	290	135	425	1394.34
1917	128.0894	-31.3713	290	136	426	1397.62
1918	128.0616	-31.3711	290	140	430	1410.74
1919	128.2561	-31.3933	290	135	425	1394.34
1920	128.2283	-31.3931	290	135	425	1394.34
1921	128.2005	-31.3929	290	135	425	1394.34
1922	128.1727	-31.3927	290	135	425	1394.34
1923	128.1449	-31.3926	290	135	425	1394.34
1924	128.117	-31.3924	290	138	428	1404.18
1925	128.0892	-31.3922	290	137	427	1400.90
1926	128.0614	-31.392	290	140	430	1410.74
1927	128.2559	-31.4141	290	137	427	1400.90
1928	128.2281	-31.414	290	135	425	1394.34
1929	128.2003	-31.4138	290	130	420	1377.94
1930	128.1725	-31.4136	290	135	425	1394.34
1931	128.1447	-31.4134	290	139	429	1407.46
1932	128.1169	-31.4132	290	135	425	1394.34
1933	128.089	-31.413	290	140	430	1410.74
1934	128.0612	-31.4128	290	135	425	1394.34
1935	128.2558	-31.435	290	138	428	1404.18
1936	128.2279	-31.4348	290	135	425	1394.34
1937	128.2001	-31.4347	290	130	420	1377.94
1938	128.1723	-31.4345	290	133	423	1387.78
1939	128.1167	-31.4341	290	141	431	1414.02
1940	128.0888	-31.4339	290	140	430	1410.74

1941	128.061	-31.4337	290	140	430	1410.74
1942	128.2556	-31.4559	290	135	425	1394.34
1943	128.2278	-31.4557	290	135	425	1394.34
1944	128.1999	-31.4555	290	135	425	1394.34
1945	128.1721	-31.4553	290	134	424	1391.06
1946	128.1165	-31.455	290	140	430	1410.74
1947	128.0886	-31.4548	290	140	430	1410.74
1948	128.0608	-31.4546	290	140	430	1410.74
1949	128.2554	-31.4767	290	125	415	1361.53
1950	128.2276	-31.4766	290	131	421	1381.22
1951	128.1998	-31.4764	290	135	425	1394.34
1952	128.1719	-31.4762	290	135	425	1394.34
1953	128.1441	-31.476	290	135	425	1394.34
1954	128.1163	-31.4758	290	140	430	1410.74
1955	128.0884	-31.4756	290	135	425	1394.34
1956	128.0606	-31.4754	290	131	421	1381.22
1957	128.2553	-31.4976	290	120	410	1345.13
1958	128.2274	-31.4974	290	122	412	1351.69
1959	128.1996	-31.4973	290	130	420	1377.94
1960	128.1717	-31.4971	290	130	420	1377.94
1961	128.1439	-31.4969	290	135	425	1394.34
1962	128.1161	-31.4967	290	135	425	1394.34
1963	128.0882	-31.4965	290	134	424	1391.06
1964	128.0604	-31.4963	290	125	415	1361.53
1965	128.2551	-31.5185	290	120	410	1345.13
1966	128.2272	-31.5183	290	120	410	1345.13
1967	128.1994	-31.5181	290	120	410	1345.13
1968	128.1716	-31.5179	290	120	410	1345.13
1969	128.1437	-31.5178	290	130	420	1377.94
1970	128.1159	-31.5176	290	126	416	1364.81
1971	128.088	-31.5174	290	130	420	1377.94
1972	128.0602	-31.5172	290	125	415	1361.53
1973	128.2549	-31.5393	290	120	410	1345.13
1974	128.2271	-31.5392	290	115	405	1328.72
1975	128.1992	-31.539	290	119	409	1341.85
1976	128.1714	-31.5388	290	118	408	1338.57

1977	128.1435	-31.5386	290	120	410	1345.13
1978	128.1157	-31.5384	290	130	420	1377.94
1979	128.0878	-31.5382	290	129	419	1374.66
1980	128.06	-31.538	290	125	415	1361.53
1981	128.2548	-31.5602	290	120	410	1345.13
1982	128.2269	-31.56	290	115	405	1328.72
1983	128.199	-31.5599	290	115	405	1328.72
1984	128.1712	-31.5597	290	116	406	1332.00
1985	128.1433	-31.5595	290	123	413	1354.97
1986	128.0093	-31.3498	290	138	428	1404.18
1987	127.9815	-31.3496	290	141	431	1414.02
1988	127.9537	-31.3494	290	145	435	1427.15
1989	127.9259	-31.3492	290	143	433	1420.59
1990	127.8981	-31.3489	290	140	430	1410.74
1991	128.009	-31.3707	290	140	430	1410.74
1992	127.9812	-31.3705	290	140	430	1410.74
1993	127.9534	-31.3703	290	141	431	1414.02
1994	127.9256	-31.37	290	139	429	1407.46
1995	127.8978	-31.3698	290	140	430	1410.74
1996	127.87	-31.3696	290	135	425	1394.34
1997	127.8422	-31.3693	290	131	421	1381.22
1998	127.8144	-31.3691	290	138	428	1404.18
1999	128.0088	-31.3916	290	140	430	1410.74
2000	127.981	-31.3914	290	135	425	1394.34
2001	127.9532	-31.3911	290	140	430	1410.74
2002	127.9254	-31.3909	290	140	430	1410.74
2003	127.8976	-31.3907	290	135	425	1394.34
2004	127.8698	-31.3904	290	132	422	1384.50
2005	127.842	-31.3902	290	135	425	1394.34
2006	127.8142	-31.3899	290	138	428	1404.18
2007	128.0086	-31.4124	290	135	425	1394.34
2008	127.9808	-31.4122	290	135	425	1394.34
2009	127.953	-31.412	290	135	425	1394.34
2010	127.9252	-31.4118	290	135	425	1394.34
2011	127.8974	-31.4115	290	131	421	1381.22
2012	127.8695	-31.4113	290	130	420	1377.94

2013	127.8417	-31.411	290	135	425	1394.34
2014	127.8139	-31.4108	290	135	425	1394.34
2015	128.0084	-31.4333	290	133	423	1387.78
2016	127.9806	-31.4331	290	130	420	1377.94
2017	127.9527	-31.4329	290	135	425	1394.34
2018	127.9249	-31.4326	290	130	420	1377.94
2019	127.8693	-31.4322	290	135	425	1394.34
2020	127.8415	-31.4319	290	130	420	1377.94
2021	127.8137	-31.4317	290	140	430	1410.74
2022	128.0082	-31.4542	290	130	420	1377.94
2023	127.9803	-31.454	290	125	415	1361.53
2024	127.9525	-31.4537	290	133	423	1387.78
2025	127.9247	-31.4535	290	130	420	1377.94
2026	127.869	-31.453	290	130	420	1377.94
2027	127.8412	-31.4528	290	130	420	1377.94
2028	127.8134	-31.4525	290	135	425	1394.34
2029	128.0079	-31.475	290	133	423	1387.78
2030	127.9801	-31.4748	290	130	420	1377.94
2031	127.9523	-31.4746	290	130	420	1377.94
2032	127.9245	-31.4744	290	126	416	1364.81
2033	127.8966	-31.4741	290	129	419	1374.66
2034	127.8688	-31.4739	290	130	420	1377.94
2035	127.841	-31.4736	290	130	420	1377.94
2036	127.8131	-31.4734	290	135	425	1394.34
2037	128.0077	-31.4959	290	130	420	1377.94
2038	127.9799	-31.4957	290	130	420	1377.94
2039	127.952	-31.4955	290	125	415	1361.53
2040	127.9242	-31.4952	290	125	415	1361.53
2041	127.8964	-31.495	290	125	415	1361.53
2042	127.8685	-31.4948	290	125	415	1361.53
2043	127.8407	-31.4945	290	126	416	1364.81
2044	127.8129	-31.4942	290	130	420	1377.94
2045	128.0075	-31.5168	290	130	420	1377.94
2046	127.9797	-31.5166	290	125	415	1361.53
2047	127.9518	-31.5163	290	125	415	1361.53
2048	127.924	-31.5161	290	121	411	1348.41

2049	127.8961	-31.5159	290	125	415	1361.53
2050	127.8683	-31.5156	290	120	410	1345.13
2051	127.8404	-31.5154	290	125	415	1361.53
2052	127.8126	-31.5151	290	132	422	1384.50
2053	128.0073	-31.5376	290	125	415	1361.53
2054	127.9794	-31.5374	290	128	418	1371.37
2055	127.9516	-31.5372	290	122	412	1351.69
2056	127.9237	-31.537	290	120	410	1345.13
2057	127.8959	-31.5367	290	117	407	1335.29
2058	127.868	-31.5365	290	119	409	1341.85
2059	127.8402	-31.5362	290	120	410	1345.13
2060	127.8123	-31.536	290	125	415	1361.53
2061	128.0071	-31.5585	290	123	413	1354.97
2062	127.9792	-31.5583	290	123	413	1354.97
2063	127.9513	-31.5581	290	120	410	1345.13
2064	127.9235	-31.5578	290	120	410	1345.13
2065	127.8956	-31.5576	290	120	410	1345.13
2066	127.8678	-31.5573	290	120	410	1345.13
2067	127.8399	-31.5571	290	120	410	1345.13
2068	127.8121	-31.5568	290	117	407	1335.29
2069	127.9511	-31.5789	290	115	405	1328.72
2070	127.9233	-31.5787	290	119	409	1341.85
2071	127.8954	-31.5785	290	117	407	1335.29
2072	127.8675	-31.5782	290	120	410	1345.13
2073	127.8397	-31.578	290	115	405	1328.72
2074	127.8118	-31.5777	290	120	410	1345.13
2075	127.7616	-31.3894	290	140	430	1410.74
2076	127.7338	-31.3892	290	140	430	1410.74
2077	127.706	-31.3889	290	140	430	1410.74
2078	127.6782	-31.3886	290	140	430	1410.74
2079	127.6504	-31.3883	290	143	433	1420.59
2080	127.6226	-31.388	290	148	438	1436.99
2081	127.5948	-31.3877	290	150	440	1443.55
2082	127.567	-31.3874	290	155	445	1459.96
2083	127.7613	-31.4103	290	140	430	1410.74
2084	127.7335	-31.41	290	140	430	1410.74

2085	127.7057	-31.4097	290	139	429	1407.46
2086	127.6779	-31.4095	290	140	430	1410.74
2087	127.6501	-31.4092	290	145	435	1427.15
2088	127.6223	-31.4089	290	145	435	1427.15
2089	127.5945	-31.4086	290	148	438	1436.99
2090	127.5666	-31.4083	290	148	438	1436.99
2091	127.761	-31.4312	290	140	430	1410.74
2092	127.7332	-31.4309	290	135	425	1394.34
2093	127.7054	-31.4306	290	140	430	1410.74
2094	127.6776	-31.4303	290	135	425	1394.34
2095	127.6498	-31.43	290	141	431	1414.02
2096	127.622	-31.4297	290	141	431	1414.02
2097	127.5941	-31.4294	290	145	435	1427.15
2098	127.5663	-31.4291	290	149	439	1440.27
2099	127.7608	-31.452	290	138	428	1404.18
2100	127.7329	-31.4517	290	140	430	1410.74
2101	127.7051	-31.4515	290	135	425	1394.34
2102	127.6773	-31.4512	290	135	425	1394.34
2103	127.6495	-31.4509	290	135	425	1394.34
2104	127.6217	-31.4506	290	140	430	1410.74
2105	127.5938	-31.4503	290	145	435	1427.15
2106	127.566	-31.45	290	145	435	1427.15
2107	127.7605	-31.4729	290	135	425	1394.34
2108	127.7327	-31.4726	290	135	425	1394.34
2109	127.7048	-31.4723	290	140	430	1410.74
2110	127.677	-31.4721	290	135	425	1394.34
2111	127.6492	-31.4718	290	140	430	1410.74
2112	127.6213	-31.4715	290	140	430	1410.74
2113	127.5935	-31.4712	290	140	430	1410.74
2114	127.5657	-31.4709	290	144	434	1423.87
2115	127.7602	-31.4937	290	140	430	1410.74
2116	127.7324	-31.4935	290	138	428	1404.18
2117	127.7045	-31.4932	290	136	426	1397.62
2118	127.6767	-31.4929	290	140	430	1410.74
2119	127.621	-31.4923	290	136	426	1397.62
2120	127.5932	-31.492	290	139	429	1407.46

2121	127.5654	-31.4917	290	140	430	1410.74
2122	127.7599	-31.5146	290	135	425	1394.34
2123	127.7321	-31.5143	290	132	422	1384.50
2124	127.7042	-31.5141	290	135	425	1394.34
2125	127.6764	-31.5138	290	135	425	1394.34
2126	127.6207	-31.5132	290	136	426	1397.62
2127	127.5929	-31.5129	290	137	427	1400.90
2128	127.5651	-31.5126	290	140	430	1410.74
2129	127.7597	-31.5355	290	125	415	1361.53
2130	127.7318	-31.5352	290	125	415	1361.53
2131	127.704	-31.5349	290	130	420	1377.94
2132	127.6761	-31.5346	290	125	415	1361.53
2133	127.6483	-31.5343	290	125	415	1361.53
2134	127.6204	-31.5341	290	133	423	1387.78
2135	127.5926	-31.5337	290	138	428	1404.18
2136	127.5647	-31.5334	290	135	425	1394.34
2137	127.7594	-31.5563	290	120	410	1345.13
2138	127.7315	-31.5561	290	125	415	1361.53
2139	127.7037	-31.5558	290	123	413	1354.97
2140	127.6758	-31.5555	290	123	413	1354.97
2141	127.648	-31.5552	290	121	411	1348.41
2142	127.6201	-31.5549	290	130	420	1377.94
2143	127.5923	-31.5546	290	130	420	1377.94
2144	127.5644	-31.5543	290	135	425	1394.34
2145	127.7591	-31.5772	290	115	405	1328.72
2146	127.7312	-31.5769	290	120	410	1345.13
2147	127.7034	-31.5767	290	117	407	1335.29
2148	127.6755	-31.5764	290	115	405	1328.72
2149	127.6477	-31.5761	290	125	415	1361.53
2150	127.6198	-31.5758	290	125	415	1361.53
2151	127.592	-31.5755	290	128	418	1371.37
2152	127.5641	-31.5752	290	135	425	1394.34
2153	127.7588	-31.5981	290	118	408	1338.57
2154	127.731	-31.5978	290	120	410	1345.13
2155	127.7031	-31.5975	290	115	405	1328.72
2156	127.6752	-31.5972	290	120	410	1345.13

2157	127.6474	-31.5969	290	120	410	1345.13
2158	127.6195	-31.5966	290	120	410	1345.13
2159	127.5916	-31.5963	290	125	415	1361.53
2160	127.5638	-31.596	290	129	419	1374.66
2161	127.6749	-31.6181	290	120	410	1345.13
2162	127.6471	-31.6178	290	115	405	1328.72
2163	127.6192	-31.6175	290	115	405	1328.72
2164	127.5913	-31.6172	290	120	410	1345.13
2165	127.5635	-31.6169	290	125	415	1361.53
2166	127.3476	-31.3848	290	155	445	1459.96
2167	127.3198	-31.3844	290	157	447	1466.52
2168	127.514	-31.4077	290	155	445	1459.96
2169	127.4862	-31.4073	290	155	445	1459.96
2170	127.4584	-31.407	290	145	435	1427.15
2171	127.4306	-31.4067	290	145	435	1427.15
2172	127.4028	-31.4063	290	150	440	1443.55
2173	127.375	-31.406	290	150	440	1443.55
2174	127.3472	-31.4056	290	155	445	1459.96
2175	127.3194	-31.4053	290	155	445	1459.96
2176	127.5137	-31.4285	290	150	440	1443.55
2177	127.4859	-31.4282	290	155	445	1459.96
2178	127.4581	-31.4279	290	141	431	1414.02
2179	127.4303	-31.4275	290	140	430	1410.74
2180	127.4025	-31.4272	290	145	435	1427.15
2181	127.3747	-31.4268	290	146	436	1430.43
2182	127.3468	-31.4265	290	150	440	1443.55
2183	127.319	-31.4261	290	150	440	1443.55
2184	127.5134	-31.4494	290	150	440	1443.55
2185	127.4856	-31.4491	290	150	440	1443.55
2186	127.4577	-31.4487	290	140	430	1410.74
2187	127.4299	-31.4484	290	145	435	1427.15
2188	127.4021	-31.448	290	140	430	1410.74
2189	127.3743	-31.4477	290	148	438	1436.99
2190	127.3465	-31.4473	290	146	436	1430.43
2191	127.3187	-31.447	290	149	439	1440.27
2192	127.513	-31.4703	290	150	440	1443.55

2193	127.4852	-31.4699	290	150	440	1443.55
2194	127.4574	-31.4696	290	137	427	1400.90
2195	127.4296	-31.4693	290	145	435	1427.15
2196	127.4018	-31.4689	290	140	430	1410.74
2197	127.3739	-31.4686	290	147	437	1433.71
2198	127.3461	-31.4682	290	150	440	1443.55
2199	127.3183	-31.4678	290	145	435	1427.15
2200	127.5127	-31.4911	290	143	433	1420.59
2201	127.4849	-31.4908	290	145	435	1427.15
2202	127.4571	-31.4905	290	135	425	1394.34
2203	127.4292	-31.4901	290	138	428	1404.18
2204	127.3736	-31.4894	290	140	430	1410.74
2205	127.3457	-31.4891	290	145	435	1427.15
2206	127.3179	-31.4887	290	145	435	1427.15
2207	127.5124	-31.512	290	145	435	1427.15
2208	127.4846	-31.5116	290	145	435	1427.15
2209	127.4567	-31.5113	290	132	422	1384.50
2210	127.4289	-31.511	290	135	425	1394.34
2211	127.3732	-31.5103	290	140	430	1410.74
2212	127.3454	-31.5099	290	144	434	1423.87
2213	127.3175	-31.5096	290	145	435	1427.15
2214	127.5121	-31.5328	290	140	430	1410.74
2215	127.4842	-31.5325	290	145	435	1427.15
2216	127.4564	-31.5322	290	130	420	1377.94
2217	127.4285	-31.5318	290	130	420	1377.94
2218	127.4007	-31.5315	290	130	420	1377.94
2219	127.3728	-31.5311	290	138	428	1404.18
2220	127.345	-31.5308	290	140	430	1410.74
2221	127.3172	-31.5304	290	140	430	1410.74
2222	127.5117	-31.5537	290	138	428	1404.18
2223	127.4839	-31.5534	290	140	430	1410.74
2224	127.456	-31.553	290	127	417	1368.09
2225	127.4282	-31.5527	290	130	420	1377.94
2226	127.4003	-31.5524	290	130	420	1377.94
2227	127.3725	-31.552	290	135	425	1394.34
2228	127.3446	-31.5516	290	140	430	1410.74

2229	127.3168	-31.5513	290	139	429	1407.46
2230	127.5114	-31.5746	290	135	425	1394.34
2231	127.4835	-31.5742	290	135	425	1394.34
2232	127.4557	-31.5739	290	126	416	1364.81
2233	127.4278	-31.5736	290	125	415	1361.53
2234	127.4	-31.5732	290	130	420	1377.94
2235	127.3721	-31.5729	290	135	425	1394.34
2236	127.3443	-31.5725	290	135	425	1394.34
2237	127.3164	-31.5721	290	135	425	1394.34
2238	127.5111	-31.5954	290	130	420	1377.94
2239	127.4832	-31.5951	290	130	420	1377.94
2240	127.4553	-31.5948	290	130	420	1377.94
2241	127.4275	-31.5944	290	120	410	1345.13
2242	127.3996	-31.5941	290	125	415	1361.53
2243	127.3718	-31.5937	290	135	425	1394.34
2244	127.3439	-31.5934	290	130	420	1377.94
2245	127.316	-31.593	290	135	425	1394.34
2246	127.5107	-31.6163	290	128	418	1371.37
2247	127.4829	-31.616	290	133	423	1387.78
2248	127.455	-31.6156	290	125	415	1361.53
2249	127.4271	-31.6153	290	120	410	1345.13
2250	127.3993	-31.6149	290	124	414	1358.25
2251	127.3714	-31.6146	290	130	420	1377.94
2252	127.3435	-31.6142	290	132	422	1384.50
2253	127.3157	-31.6139	290	127	417	1368.09
2254	127.5104	-31.6371	290	130	420	1377.94
2255	127.2668	-31.4046	290	151	441	1446.83
2256	127.2664	-31.4254	290	150	440	1443.55
2257	127.2386	-31.425	290	150	440	1443.55
2258	127.2108	-31.4247	290	145	435	1427.15
2259	127.183	-31.4243	290	147	437	1433.71
2260	127.1552	-31.4239	290	146	436	1430.43
2261	127.1274	-31.4235	290	145	435	1427.15
2262	127.0996	-31.4231	290	149	439	1440.27
2263	127.0718	-31.4226	290	150	440	1443.55
2264	127.266	-31.4463	290	150	440	1443.55

2265	127.2382	-31.4459	290	148	438	1436.99
2266	127.2104	-31.4455	290	150	440	1443.55
2267	127.1826	-31.4451	290	146	436	1430.43
2268	127.1548	-31.4447	290	149	439	1440.27
2269	127.127	-31.4443	290	145	435	1427.15
2270	127.0992	-31.4439	290	144	434	1423.87
2271	127.0714	-31.4435	290	145	435	1427.15
2272	127.2657	-31.4671	290	145	435	1427.15
2273	127.2378	-31.4668	290	148	438	1436.99
2274	127.21	-31.4664	290	150	440	1443.55
2275	127.1822	-31.466	290	145	435	1427.15
2276	127.1544	-31.4656	290	145	435	1427.15
2277	127.1266	-31.4652	290	145	435	1427.15
2278	127.0987	-31.4648	290	143	433	1420.59
2279	127.0709	-31.4644	290	145	435	1427.15
2280	127.2653	-31.488	290	140	430	1410.74
2281	127.2374	-31.4876	290	145	435	1427.15
2282	127.2096	-31.4872	290	149	439	1440.27
2283	127.1818	-31.4868	290	150	440	1443.55
2284	127.154	-31.4864	290	150	440	1443.55
2285	127.1261	-31.486	290	145	435	1427.15
2286	127.0983	-31.4856	290	149	439	1440.27
2287	127.0705	-31.4852	290	142	432	1417.31
2288	127.0701	-31.504	290	143	433	1420.59
2289	127.2649	-31.5089	290	140	430	1410.74
2290	127.237	-31.5085	290	140	430	1410.74
2291	127.2092	-31.5081	290	145	435	1427.15
2292	127.1814	-31.5077	290	148	438	1436.99
2293	127.1257	-31.5069	290	148	438	1436.99
2294	127.0979	-31.5065	290	145	435	1427.15
2295	127.2645	-31.5297	290	140	430	1410.74
2296	127.2367	-31.5293	290	135	425	1394.34
2297	127.2088	-31.5289	290	137	427	1400.90
2298	127.181	-31.5286	290	145	435	1427.15
2299	127.1253	-31.5278	290	147	437	1433.71
2300	127.0975	-31.5273	290	145	435	1427.15

2301	127.2641	-31.5506	290	135	425	1394.34
2302	127.2363	-31.5502	290	135	425	1394.34
2303	127.2084	-31.5498	290	135	425	1394.34
2304	127.1806	-31.5494	290	135	425	1394.34
2305	127.1527	-31.549	290	140	430	1410.74
2306	127.1249	-31.5486	290	145	435	1427.15
2307	127.0971	-31.5482	290	145	435	1427.15
2308	127.0692	-31.5478	290	140	430	1410.74
2309	127.2637	-31.5714	290	135	425	1394.34
2310	127.2359	-31.5711	290	130	420	1377.94
2311	127.208	-31.5707	290	135	425	1394.34
2312	127.1802	-31.5703	290	130	420	1377.94
2313	127.1523	-31.5699	290	135	425	1394.34
2314	127.1245	-31.5695	290	140	430	1410.74
2315	127.0966	-31.5691	290	140	430	1410.74
2316	127.0688	-31.5686	290	135	425	1394.34
2317	127.2633	-31.5923	290	130	420	1377.94
2318	127.2355	-31.5919	290	130	420	1377.94
2319	127.2076	-31.5915	290	129	419	1374.66
2320	127.1798	-31.5911	290	134	424	1391.06
2321	127.1519	-31.5907	290	131	421	1381.22
2322	127.1241	-31.5903	290	130	420	1377.94
2323	127.0962	-31.5899	290	138	428	1404.18
2324	127.0684	-31.5895	290	135	425	1394.34
2325	127.2629	-31.6132	290	125	415	1361.53
2326	127.2351	-31.6128	290	130	420	1377.94
2327	127.2072	-31.6124	290	125	415	1361.53
2328	127.1794	-31.612	290	125	415	1361.53
2329	127.1515	-31.6116	290	125	415	1361.53
2330	127.1236	-31.6112	290	126	416	1364.81
2331	127.0958	-31.6108	290	130	420	1377.94
2332	127.0679	-31.6104	290	130	420	1377.94
2333	127.2626	-31.634	290	125	415	1361.53
2334	127.2347	-31.6336	290	130	420	1377.94
2335	127.2068	-31.6332	290	123	413	1354.97
2336	127.179	-31.6328	290	125	415	1361.53

2337	127.1511	-31.6324	290	127	417	1368.09
2338	127.1232	-31.632	290	125	415	1361.53
2339	127.0954	-31.6316	290	120	410	1345.13
2340	127.0675	-31.6312	290	130	420	1377.94
2341	127.1228	-31.6529	290	125	415	1361.53
2342	127.0949	-31.6525	290	121	411	1348.41
2343	127.0671	-31.6521	290	130	420	1377.94
2344	127.0183	-31.4635	290	145	435	1427.15
2345	126.9905	-31.4631	290	140	430	1410.74
2346	126.9627	-31.4627	290	145	435	1427.15
2347	126.9349	-31.4622	290	145	435	1427.15
2348	126.907	-31.4618	290	148	438	1436.99
2349	126.8792	-31.4613	290	152	442	1450.11
2350	126.8514	-31.4609	290	154	444	1456.68
2351	126.8236	-31.4604	290	154	444	1456.68
2352	126.7958	-31.4599	290	145	435	1427.15
2353	127.0179	-31.4844	290	140	430	1410.74
2354	126.99	-31.484	290	137	427	1400.90
2355	126.9622	-31.4835	290	140	430	1410.74
2356	126.9344	-31.4831	290	145	435	1427.15
2357	126.9066	-31.4826	290	146	436	1430.43
2358	126.8788	-31.4822	290	150	440	1443.55
2359	126.8509	-31.4817	290	150	440	1443.55
2360	126.8231	-31.4812	290	150	440	1443.55
2361	126.7953	-31.4808	290	148	438	1436.99
2362	127.0142	-31.5052	290	140	430	1410.74
2363	126.9896	-31.5048	290	135	425	1394.34
2364	126.9618	-31.5044	290	136	426	1397.62
2365	126.9339	-31.5039	290	145	435	1427.15
2366	126.9061	-31.5035	290	150	440	1443.55
2367	126.8783	-31.503	290	150	440	1443.55
2368	126.8505	-31.5026	290	155	445	1459.96
2369	126.8226	-31.5021	290	155	445	1459.96
2370	126.7948	-31.5016	290	145	435	1427.15
2371	127.0143	-31.5261	290	135	425	1394.34
2372	126.9891	-31.5257	290	138	428	1404.18

2373	126.9613	-31.5252	290	140	430	1410.74
2374	126.9335	-31.5248	290	149	439	1440.27
2375	126.9056	-31.5243	290	150	440	1443.55
2376	126.8778	-31.5239	290	150	440	1443.55
2377	126.85	-31.5234	290	150	440	1443.55
2378	126.8222	-31.5229	290	147	437	1433.71
2379	126.7943	-31.5225	290	145	435	1427.15
2380	127.0165	-31.547	290	132	422	1384.50
2381	126.9887	-31.5465	290	135	425	1394.34
2382	126.9609	-31.5461	290	140	430	1410.74
2383	126.933	-31.5457	290	145	435	1427.15
2384	126.8773	-31.5447	290	145	435	1427.15
2385	126.8495	-31.5443	290	150	440	1443.55
2386	126.8217	-31.5438	290	145	435	1427.15
2387	126.7938	-31.5433	290	135	425	1394.34
2388	127.0161	-31.5678	290	135	425	1394.34
2389	126.9882	-31.5674	290	135	425	1394.34
2390	126.9604	-31.567	290	145	435	1427.15
2391	126.9326	-31.5665	290	145	435	1427.15
2392	126.8769	-31.5656	290	145	435	1427.15
2393	126.849	-31.5651	290	145	435	1427.15
2394	126.8212	-31.5647	290	139	429	1407.46
2395	126.7933	-31.5642	290	135	425	1394.34
2396	127.0156	-31.5887	290	130	420	1377.94
2397	126.9878	-31.5883	290	136	426	1397.62
2398	126.9599	-31.5878	290	140	430	1410.74
2399	126.9321	-31.5874	290	140	430	1410.74
2400	126.9042	-31.5869	290	145	435	1427.15
2401	126.8764	-31.5864	290	145	435	1427.15
2402	126.8486	-31.586	290	142	432	1417.31
2403	126.8207	-31.5855	290	135	425	1394.34
2404	126.7929	-31.585	290	132	422	1384.50
2405	127.0152	-31.6095	290	130	420	1377.94
2406	126.9873	-31.6091	290	131	421	1381.22
2407	126.9595	-31.6087	290	135	425	1394.34
2408	126.9316	-31.6082	290	140	430	1410.74

2409	126.9038	-31.6078	290	145	435	1427.15
2410	126.8759	-31.6073	290	140	430	1410.74
2411	126.8481	-31.6068	290	131	421	1381.22
2412	126.8202	-31.6064	290	130	420	1377.94
2413	126.7924	-31.6059	290	130	420	1377.94
2414	127.0148	-31.6304	290	128	418	1371.37
2415	126.9869	-31.63	290	127	417	1368.09
2416	126.959	-31.6295	290	125	415	1361.53
2417	126.9312	-31.6291	290	136	426	1397.62
2418	126.9033	-31.6286	290	140	430	1410.74
2419	126.8755	-31.6282	290	135	425	1394.34
2420	126.8476	-31.6277	290	128	418	1371.37
2421	126.8197	-31.6272	290	125	415	1361.53
2422	126.7919	-31.6267	290	130	420	1377.94
2423	127.0143	-31.6513	290	127	417	1368.09
2424	126.9865	-31.6508	290	125	415	1361.53
2425	126.9586	-31.6504	290	125	415	1361.53
2426	126.9307	-31.6499	290	135	425	1394.34
2427	126.9028	-31.6495	290	140	430	1410.74
2428	126.875	-31.649	290	129	419	1374.66
2429	126.8471	-31.6485	290	125	415	1361.53
2430	126.8192	-31.6481	290	126	416	1364.81
2431	126.7914	-31.6476	290	129	419	1374.66
2432	127.0139	-31.6721	290	130	420	1377.94
2433	126.986	-31.6717	290	126	416	1364.81
2434	126.9581	-31.6712	290	134	424	1391.06
2435	126.9303	-31.6708	290	130	420	1377.94
2436	126.9024	-31.6703	290	136	426	1397.62
2437	126.8745	-31.6699	290	130	420	1377.94
2438	126.8466	-31.6694	290	120	410	1345.13
2439	126.8188	-31.6689	290	125	415	1361.53
2440	126.7909	-31.6684	290	125	415	1361.53
2441	126.7432	-31.459	290	145	435	1427.15
2442	126.7154	-31.4585	290	150	440	1443.55
2443	126.6876	-31.458	290	150	440	1443.55
2444	126.6598	-31.4575	290	145	435	1427.15

2445	126.632	-31.457	290	139	429	1407.46
2446	126.6041	-31.4565	290	130	420	1377.94
2447	126.5763	-31.4559	290	135	425	1394.34
2448	126.5515	-31.4555	290	135	425	1394.34
2449	126.7427	-31.4798	290	140	430	1410.74
2450	126.7149	-31.4794	290	145	435	1427.15
2451	126.6871	-31.4789	290	145	435	1427.15
2452	126.6592	-31.4783	290	139	429	1407.46
2453	126.6314	-31.4778	290	125	415	1361.53
2454	126.6036	-31.4773	290	126	416	1364.81
2455	126.5758	-31.4768	290	130	420	1377.94
2456	126.551	-31.4763	290	130	420	1377.94
2457	126.7422	-31.5007	290	136	426	1397.62
2458	126.7144	-31.5002	290	141	431	1414.02
2459	126.6865	-31.4997	290	142	432	1417.31
2460	126.6587	-31.4992	290	130	420	1377.94
2461	126.6309	-31.4987	290	125	415	1361.53
2462	126.6031	-31.4982	290	127	417	1368.09
2463	126.5753	-31.4976	290	130	420	1377.94
2464	126.5504	-31.4972	290	130	420	1377.94
2465	126.7417	-31.5216	290	140	430	1410.74
2466	126.7138	-31.5211	290	145	435	1427.15
2467	126.686	-31.5206	290	140	430	1410.74
2468	126.6582	-31.5201	290	120	410	1345.13
2469	126.6304	-31.5195	290	125	415	1361.53
2470	126.6025	-31.519	290	125	415	1361.53
2471	126.5747	-31.5185	290	125	415	1361.53
2472	126.5499	-31.518	290	125	415	1361.53
2473	126.7412	-31.5424	290	140	430	1410.74
2474	126.7133	-31.5419	290	140	430	1410.74
2475	126.6855	-31.5414	290	125	415	1361.53
2476	126.6577	-31.5409	290	125	415	1361.53
2477	126.6298	-31.5404	290	125	415	1361.53
2478	126.602	-31.5399	290	125	415	1361.53
2479	126.5742	-31.5393	290	125	415	1361.53
2480	126.5494	-31.5389	290	125	415	1361.53

2481	126.7407	-31.5633	290	140	430	1410.74
2482	126.7128	-31.5628	290	135	425	1394.34
2483	126.685	-31.5623	290	125	415	1361.53
2484	126.6572	-31.5618	290	125	415	1361.53
2485	126.6015	-31.5607	290	125	415	1361.53
2486	126.5736	-31.5602	290	125	415	1361.53
2487	126.5488	-31.5597	290	129	419	1374.66
2488	126.7402	-31.5841	290	134	424	1391.06
2489	126.7123	-31.5836	290	130	420	1377.94
2490	126.6845	-31.5831	290	125	415	1361.53
2491	126.6566	-31.5826	290	125	415	1361.53
2492	126.6009	-31.5816	290	125	415	1361.53
2493	126.5731	-31.581	290	125	415	1361.53
2494	126.5483	-31.5806	290	124	414	1358.25
2495	126.7397	-31.605	290	132	422	1384.50
2496	126.7118	-31.6045	290	130	420	1377.94
2497	126.684	-31.604	290	125	415	1361.53
2498	126.6561	-31.6035	290	125	415	1361.53
2499	126.6283	-31.6029	290	123	413	1354.97
2500	126.6004	-31.6024	290	120	410	1345.13
2501	126.5726	-31.6019	290	120	410	1345.13
2502	126.5477	-31.6014	290	122	412	1351.69
2503	126.7392	-31.6258	290	125	415	1361.53
2504	126.7113	-31.6253	290	125	415	1361.53
2505	126.6834	-31.6248	290	120	410	1345.13
2506	126.6556	-31.6243	290	120	410	1345.13
2507	126.6277	-31.6238	290	120	410	1345.13
2508	126.5999	-31.6233	290	120	410	1345.13
2509	126.572	-31.6227	290	115	405	1328.72
2510	126.5472	-31.6223	290	120	410	1345.13
2511	126.7387	-31.6467	290	125	415	1361.53
2512	126.7108	-31.6462	290	125	415	1361.53
2513	126.6829	-31.6457	290	120	410	1345.13
2514	126.6551	-31.6452	290	120	410	1345.13
2515	126.6272	-31.6446	290	119	409	1341.85
2516	126.5993	-31.6441	290	120	410	1345.13

2517	126.5715	-31.6436	290	116	406	1332.00
2518	126.5466	-31.6431	290	120	410	1345.13
2519	126.7381	-31.6675	290	120	410	1345.13
2520	126.7103	-31.667	290	115	405	1328.72
2521	126.6824	-31.6665	290	115	405	1328.72
2522	126.6545	-31.666	290	120	410	1345.13
2523	126.6267	-31.6655	290	114	404	1325.44
2524	126.5988	-31.665	290	110	400	1312.32
2525	126.5709	-31.6644	290	115	405	1328.72
2526	126.5461	-31.664	290	118	408	1338.57
2527	126.7376	-31.6884	290	120	410	1345.13
2528	126.7098	-31.6879	290	115	405	1328.72
2529	126.6819	-31.6874	290	114	404	1325.44
2530	126.654	-31.6869	290	115	405	1328.72
2531	126.6261	-31.6863	290	110	400	1312.32
2532	126.5983	-31.6858	290	106	396	1299.20
2533	126.5704	-31.6853	290	111	401	1315.60
2534	126.5455	-31.6848	290	120	410	1345.13
2535	126.6256	-31.7072	290	105	395	1295.92
2536	126.5977	-31.7067	290	100	390	1279.51
2537	126.5699	-31.7061	290	109	399	1309.04
2538	126.545	-31.7057	290	113	403	1322.16
2539	126.4959	-31.4544	290	130	420	1377.94
2540	126.4681	-31.4538	290	135	425	1394.34
2541	126.4403	-31.4533	290	137	427	1400.90
2542	126.4125	-31.4527	290	145	435	1427.15
2543	126.3847	-31.4522	290	150	440	1443.55
2544	126.3569	-31.4516	290	145	435	1427.15
2545	126.3291	-31.451	290	145	435	1427.15
2546	126.3013	-31.4504	290	150	440	1443.55
2547	126.4954	-31.4752	290	132	422	1384.50
2548	126.4676	-31.4747	290	135	425	1394.34
2549	126.4398	-31.4741	290	138	428	1404.18
2550	126.412	-31.4736	290	140	430	1410.74
2551	126.3841	-31.473	290	145	435	1427.15
2552	126.3563	-31.4724	290	143	433	1420.59

2553	126.3285	-31.4719	290	145	435	1427.15
2554	126.3007	-31.4713	290	145	435	1427.15
2555	126.4948	-31.4961	290	133	423	1387.78
2556	126.467	-31.4955	290	135	425	1394.34
2557	126.4392	-31.495	290	135	425	1394.34
2558	126.4114	-31.4944	290	140	430	1410.74
2559	126.3836	-31.4939	290	140	430	1410.74
2560	126.3558	-31.4933	290	145	435	1427.15
2561	126.3279	-31.4927	290	140	430	1410.74
2562	126.3001	-31.4921	290	140	430	1410.74
2563	126.4943	-31.5169	290	133	423	1387.78
2564	126.4664	-31.5164	290	130	420	1377.94
2565	126.4386	-31.5158	290	140	430	1410.74
2566	126.4108	-31.5153	290	135	425	1394.34
2567	126.383	-31.5147	290	140	430	1410.74
2568	126.3552	-31.5141	290	141	431	1414.02
2569	126.3274	-31.5136	290	138	428	1404.18
2570	126.2995	-31.513	290	145	435	1427.15
2571	126.4937	-31.5378	290	132	422	1384.50
2572	126.4659	-31.5372	290	132	422	1384.50
2573	126.4381	-31.5367	290	135	425	1394.34
2574	126.4102	-31.5361	290	137	427	1400.90
2575	126.3824	-31.5356	290	138	428	1404.18
2576	126.3546	-31.535	290	138	428	1404.18
2577	126.3268	-31.5344	290	140	430	1410.74
2578	126.2989	-31.5338	290	145	435	1427.15
2579	126.4931	-31.5586	290	135	425	1394.34
2580	126.4653	-31.5581	290	130	420	1377.94
2581	126.4375	-31.5575	290	131	421	1381.22
2582	126.4097	-31.557	290	140	430	1410.74
2583	126.354	-31.5558	290	135	425	1394.34
2584	126.3262	-31.5553	290	145	435	1427.15
2585	126.2983	-31.5547	290	140	430	1410.74
2586	126.4926	-31.5795	290	125	415	1361.53
2587	126.4648	-31.5789	290	130	420	1377.94
2588	126.4369	-31.5784	290	130	420	1377.94

2589	126.4091	-31.5778	290	140	430	1410.74
2590	126.3534	-31.5767	290	140	430	1410.74
2591	126.3256	-31.5761	290	142	432	1417.31
2592	126.2977	-31.5755	290	140	430	1410.74
2593	126.492	-31.6003	290	125	415	1361.53
2594	126.4642	-31.5998	290	125	415	1361.53
2595	126.4363	-31.5992	290	127	417	1368.09
2596	126.4085	-31.5987	290	135	425	1394.34
2597	126.3807	-31.5981	290	140	430	1410.74
2598	126.3528	-31.5975	290	140	430	1410.74
2599	126.325	-31.5969	290	140	430	1410.74
2600	126.2971	-31.5964	290	140	430	1410.74
2601	126.4915	-31.6212	290	125	415	1361.53
2602	126.4636	-31.6206	290	120	410	1345.13
2603	126.4358	-31.6201	290	128	418	1371.37
2604	126.4079	-31.6195	290	135	425	1394.34
2605	126.3801	-31.6189	290	138	428	1404.18
2606	126.3522	-31.6184	290	135	425	1394.34
2607	126.3244	-31.6178	290	140	430	1410.74
2608	126.2965	-31.6172	290	140	430	1410.74
2609	126.4909	-31.642	290	121	411	1348.41
2610	126.4631	-31.6415	290	125	415	1361.53
2611	126.4352	-31.6409	290	130	420	1377.94
2612	126.4073	-31.6404	290	135	425	1394.34
2613	126.3795	-31.6398	290	135	425	1394.34
2614	126.3516	-31.6392	290	135	425	1394.34
2615	126.3238	-31.6386	290	135	425	1394.34
2616	126.2959	-31.6381	290	135	425	1394.34
2617	126.4904	-31.6629	290	124	414	1358.25
2618	126.4625	-31.6623	290	115	405	1328.72
2619	126.4346	-31.6618	290	120	410	1345.13
2620	126.4068	-31.6612	290	127	417	1368.09
2621	126.3789	-31.6606	290	133	423	1387.78
2622	126.351	-31.6601	290	135	425	1394.34
2623	126.3232	-31.6595	290	139	429	1407.46
2624	126.2953	-31.6589	290	135	425	1394.34

2625	126.3783	-31.6815	290	125	415	1361.53
2626	126.3504	-31.6809	290	135	425	1394.34
2627	126.3226	-31.6803	290	135	425	1394.34
2628	126.2947	-31.6797	290	131	421	1381.22
2629	126.2486	-31.4549	290	145	435	1427.15
2630	126.2208	-31.4543	290	145	435	1427.15
2631	126.193	-31.4537	290	150	440	1443.55
2632	126.1652	-31.4531	290	145	435	1427.15
2633	126.1374	-31.4525	290	150	440	1443.55
2634	126.1096	-31.4518	290	150	440	1443.55
2635	126.0818	-31.4512	290	150	440	1443.55
2636	126.054	-31.4506	290	155	445	1459.96
2637	126.0295	-31.45	290	153	443	1453.39
2638	126.2479	-31.4792	290	145	435	1427.15
2639	126.2201	-31.4786	290	145	435	1427.15
2640	126.1923	-31.478	290	150	440	1443.55
2641	126.1645	-31.4774	290	147	437	1433.71
2642	126.1367	-31.4768	290	145	435	1427.15
2643	126.1089	-31.4761	290	147	437	1433.71
2644	126.0811	-31.4755	290	150	440	1443.55
2645	126.0533	-31.4749	290	150	440	1443.55
2646	126.0288	-31.4743	290	150	440	1443.55
2647	126.2473	-31.5	290	147	437	1433.71
2648	126.2194	-31.4994	290	145	435	1427.15
2649	126.1916	-31.4988	290	145	435	1427.15
2650	126.1638	-31.4982	290	145	435	1427.15
2651	126.136	-31.4976	290	148	438	1436.99
2652	126.1082	-31.497	290	149	439	1440.27
2653	126.0804	-31.4963	290	150	440	1443.55
2654	126.0526	-31.4957	290	150	440	1443.55
2655	126.0281	-31.4951	290	150	440	1443.55
2656	126.2466	-31.5209	290	145	435	1427.15
2657	126.2188	-31.5203	290	140	430	1410.74
2658	126.191	-31.5197	290	145	435	1427.15
2659	126.1632	-31.5191	290	145	435	1427.15
2660	126.1354	-31.5184	290	150	440	1443.55

2661	126.1076	-31.5178	290	145	435	1427.15
2662	126.0798	-31.5172	290	145	435	1427.15
2663	126.052	-31.5165	290	150	440	1443.55
2664	126.0274	-31.516	290	150	440	1443.55
2665	126.246	-31.5417	290	145	435	1427.15
2666	126.2182	-31.5411	290	142	432	1417.31
2667	126.1904	-31.5405	290	145	435	1427.15
2668	126.1626	-31.5399	290	145	435	1427.15
2669	126.1069	-31.5387	290	145	435	1427.15
2670	126.0791	-31.538	290	145	435	1427.15
2671	126.0513	-31.5374	290	150	440	1443.55
2672	126.0268	-31.5368	290	150	440	1443.55
2673	126.2454	-31.5626	290	147	437	1433.71
2674	126.2176	-31.562	290	140	430	1410.74
2675	126.1898	-31.5614	290	140	430	1410.74
2676	126.1619	-31.5607	290	145	435	1427.15
2677	126.1063	-31.5595	290	145	435	1427.15
2678	126.0785	-31.5589	290	145	435	1427.15
2679	126.0506	-31.5582	290	145	435	1427.15
2680	126.0261	-31.5577	290	150	440	1443.55
2681	126.2448	-31.5834	290	149	439	1440.27
2682	126.217	-31.5828	290	145	435	1427.15
2683	126.1891	-31.5822	290	145	435	1427.15
2684	126.1613	-31.5816	290	143	433	1420.59
2685	126.1335	-31.581	290	140	430	1410.74
2686	126.1056	-31.5803	290	140	430	1410.74
2687	126.0778	-31.5797	290	145	435	1427.15
2688	126.05	-31.5791	290	145	435	1427.15
2689	126.0254	-31.5785	290	147	437	1433.71
2690	126.2442	-31.6043	290	145	435	1427.15
2691	126.2164	-31.6037	290	142	432	1417.31
2692	126.1885	-31.6031	290	140	430	1410.74
2693	126.1607	-31.6024	290	140	430	1410.74
2694	126.1328	-31.6018	290	140	430	1410.74
2695	126.105	-31.6012	290	142	432	1417.31
2696	126.0772	-31.6005	290	145	435	1427.15

2697	126.0493	-31.5999	290	140	430	1410.74
2698	126.0248	-31.5993	290	145	435	1427.15
2699	126.2436	-31.6251	290	140	430	1410.74
2700	126.2157	-31.6245	290	140	430	1410.74
2701	126.1879	-31.6239	290	140	430	1410.74
2702	126.16	-31.6233	290	138	428	1404.18
2703	126.1322	-31.6227	290	138	428	1404.18
2704	126.1044	-31.622	290	140	430	1410.74
2705	126.0765	-31.6214	290	140	430	1410.74
2706	126.0487	-31.6207	290	144	434	1423.87
2707	126.0241	-31.6202	290	143	433	1420.59
2708	126.243	-31.646	290	135	425	1394.34
2709	126.2151	-31.6453	290	137	427	1400.90
2710	126.1873	-31.6447	290	135	425	1394.34
2711	126.1594	-31.6441	290	135	425	1394.34
2712	126.1316	-31.6435	290	135	425	1394.34
2713	126.1037	-31.6429	290	140	430	1410.74
2714	126.0759	-31.6422	290	140	430	1410.74
2715	126.048	-31.6416	290	140	430	1410.74
2716	126.0235	-31.641	290	135	425	1394.34
2717	126.2423	-31.6668	290	135	425	1394.34
2718	126.2145	-31.6662	290	135	425	1394.34
2719	126.1866	-31.6656	290	135	425	1394.34
2720	126.1588	-31.665	290	135	425	1394.34
2721	126.1309	-31.6643	290	135	425	1394.34
2722	126.1031	-31.6637	290	135	425	1394.34
2723	126.0752	-31.6631	290	135	425	1394.34
2724	126.0474	-31.6624	290	140	430	1410.74
2725	126.0228	-31.6619	290	135	425	1394.34
2726	128.7783	-31.4787	290	120	410	1345.13
2727	128.7504	-31.4786	290	120	410	1345.13
2728	128.7226	-31.4786	290	120	410	1345.13
2729	128.6948	-31.4785	290	125	415	1361.53
2730	128.6669	-31.4785	290	122	412	1351.69
2731	128.6391	-31.4784	290	125	415	1361.53
2732	128.6113	-31.4783	290	125	415	1361.53

2733	128.5834	-31.4782	290	125	415	1361.53
2734	128.5556	-31.4781	290	120	410	1345.13
2735	128.7782	-31.4996	290	115	405	1328.72
2736	128.7504	-31.4995	290	115	405	1328.72
2737	128.7225	-31.4995	290	118	408	1338.57
2738	128.6947	-31.4994	290	122	412	1351.69
2739	128.6669	-31.4993	290	120	410	1345.13
2740	128.639	-31.4992	290	120	410	1345.13
2741	128.6112	-31.4992	290	124	414	1358.25
2742	128.5833	-31.4991	290	120	410	1345.13
2743	128.5555	-31.499	290	120	410	1345.13
2744	128.7782	-31.5204	290	115	405	1328.72
2745	128.7503	-31.5204	290	115	405	1328.72
2746	128.7225	-31.5203	290	118	408	1338.57
2747	128.6946	-31.5203	290	115	405	1328.72
2748	128.6668	-31.5202	290	120	410	1345.13
2749	128.6389	-31.5201	290	115	405	1328.72
2750	128.6111	-31.52	290	120	410	1345.13
2751	128.5832	-31.5199	290	117	407	1335.29
2752	128.5554	-31.5199	290	117	407	1335.29
2753	128.7781	-31.5413	290	112	402	1318.88
2754	128.7503	-31.5412	290	112	402	1318.88
2755	128.7224	-31.5412	290	115	405	1328.72
2756	128.6946	-31.5411	290	118	408	1338.57
2757	128.6667	-31.5411	290	120	410	1345.13
2758	128.6389	-31.541	290	117	407	1335.29
2759	128.611	-31.5409	290	116	406	1332.00
2760	128.5832	-31.5408	290	110	400	1312.32
2761	128.5553	-31.5407	290	114	404	1325.44
2762	128.7781	-31.5622	290	110	400	1312.32
2763	128.7502	-31.5621	290	110	400	1312.32
2764	128.7224	-31.5621	290	110	400	1312.32
2765	128.6945	-31.562	290	110	400	1312.32
2766	128.6666	-31.5619	290	111	401	1315.60
2767	128.6388	-31.5619	290	115	405	1328.72
2768	128.6109	-31.5618	290	110	400	1312.32

2769	128.5831	-31.5617	290	110	400	1312.32
2770	128.5552	-31.5616	290	115	405	1328.72
2771	128.778	-31.583	290	109	399	1309.04
2772	128.7502	-31.583	290	105	395	1295.92
2773	128.7223	-31.5829	290	105	395	1295.92
2774	128.6944	-31.5829	290	110	400	1312.32
2775	128.6387	-31.5827	290	110	400	1312.32
2776	128.6108	-31.5826	290	111	401	1315.60
2777	128.583	-31.5826	290	111	401	1315.60
2778	128.5551	-31.5825	290	110	400	1312.32
2779	128.778	-31.6039	290	105	395	1295.92
2780	128.7501	-31.6039	290	105	395	1295.92
2781	128.7222	-31.6038	290	105	395	1295.92
2782	128.6944	-31.6037	290	107	397	1302.48
2783	128.6386	-31.6036	290	107	397	1302.48
2784	128.6107	-31.6035	290	105	395	1295.92
2785	128.5829	-31.6034	290	109	399	1309.04
2786	128.555	-31.6033	290	110	400	1312.32
2787	128.7779	-31.6248	290	100	390	1279.51
2788	128.7501	-31.6247	290	100	390	1279.51
2789	128.7222	-31.6247	290	100	390	1279.51
2790	128.6943	-31.6246	290	105	395	1295.92
2791	128.6664	-31.6245	290	103	393	1289.35
2792	128.6385	-31.6245	290	103	393	1289.35
2793	128.6107	-31.6244	290	105	395	1295.92
2794	128.5828	-31.6243	290	111	401	1315.60
2795	128.5549	-31.6242	290	110	400	1312.32
2796	128.75	-31.6456	290	105	395	1295.92
2797	128.7221	-31.6455	290	102	392	1286.07
2798	128.6942	-31.6455	290	99	389	1276.23
2799	128.6663	-31.6454	290	100	390	1279.51
2800	128.6385	-31.6453	290	100	390	1279.51
2801	128.6106	-31.6452	290	100	390	1279.51
2802	128.5827	-31.6452	290	105	395	1295.92
2803	128.5548	-31.6451	290	105	395	1295.92
2804	128.7499	-31.6665	290	100	390	1279.51

2805	128.7221	-31.6664	290	99	389	1276.23
2806	128.6942	-31.6663	290	96	386	1266.39
2807	128.6663	-31.6663	290	100	390	1279.51
2808	128.6384	-31.6662	290	98	388	1272.95
2809	128.6105	-31.6661	290	105	395	1295.92
2810	128.5826	-31.666	290	103	393	1289.35
2811	128.5547	-31.6659	290	102	392	1286.07
2812	128.6941	-31.6872	290	100	390	1279.51
2813	128.6662	-31.6871	290	98	388	1272.95
2814	128.6383	-31.6871	290	95	385	1263.11
2815	128.6104	-31.687	290	100	390	1279.51
2816	128.5825	-31.6869	290	100	390	1279.51
2817	128.5546	-31.6868	290	100	390	1279.51
2818	128.5824	-31.7078	290	97	387	1269.67
2819	128.5545	-31.7077	290	96	386	1266.39
2820	128.5026	-31.5405	290	112	402	1318.88
2821	128.4747	-31.5404	290	115	405	1328.72
2822	128.4469	-31.5403	290	115	405	1328.72
2823	128.419	-31.5402	290	115	405	1328.72
2824	128.3912	-31.54	290	110	400	1312.32
2825	128.5025	-31.5614	290	111	401	1315.60
2826	128.4746	-31.5613	290	114	404	1325.44
2827	128.4468	-31.5612	290	114	404	1325.44
2828	128.4189	-31.561	290	115	405	1328.72
2829	128.3911	-31.5609	290	115	405	1328.72
2830	128.3632	-31.5608	290	110	400	1312.32
2831	128.3353	-31.5606	290	115	405	1328.72
2832	128.3075	-31.5605	290	111	401	1315.60
2833	128.5024	-31.5823	290	115	405	1328.72
2834	128.4745	-31.5822	290	110	400	1312.32
2835	128.4466	-31.582	290	113	403	1322.16
2836	128.4188	-31.5819	290	112	402	1318.88
2837	128.3909	-31.5818	290	106	396	1299.20
2838	128.363	-31.5816	290	110	400	1312.32
2839	128.3352	-31.5815	290	110	400	1312.32
2840	128.3073	-31.5814	290	110	400	1312.32

2841	128.5023	-31.6031	290	110	400	1312.32
2842	128.4744	-31.603	290	108	398	1305.76
2843	128.4465	-31.6029	290	105	395	1295.92
2844	128.4186	-31.6028	290	111	401	1315.60
2845	128.3908	-31.6026	290	110	400	1312.32
2846	128.3629	-31.6025	290	107	397	1302.48
2847	128.335	-31.6024	290	110	400	1312.32
2848	128.3072	-31.6022	290	110	400	1312.32
2849	128.5022	-31.624	290	110	400	1312.32
2850	128.4743	-31.6239	290	107	397	1302.48
2851	128.4464	-31.6238	290	105	395	1295.92
2852	128.4185	-31.6236	290	105	395	1295.92
2853	128.3906	-31.6235	290	112	402	1318.88
2854	128.3628	-31.6234	290	113	403	1322.16
2855	128.3349	-31.6232	290	105	395	1295.92
2856	128.307	-31.6231	290	105	395	1295.92
2857	128.502	-31.6449	290	105	395	1295.92
2858	128.4742	-31.6448	290	104	394	1292.64
2859	128.4463	-31.6446	290	100	390	1279.51
2860	128.4184	-31.6445	290	100	390	1279.51
2861	128.3626	-31.6442	290	100	390	1279.51
2862	128.3347	-31.6441	290	105	395	1295.92
2863	128.3069	-31.644	290	101	391	1282.79
2864	128.5019	-31.6657	290	102	392	1286.07
2865	128.474	-31.6656	290	105	395	1295.92
2866	128.4462	-31.6655	290	100	390	1279.51
2867	128.4183	-31.6654	290	100	390	1279.51
2868	128.3625	-31.6651	290	100	390	1279.51
2869	128.3346	-31.665	290	100	390	1279.51
2870	128.3067	-31.6648	290	101	391	1282.79
2871	128.5018	-31.6866	290	100	390	1279.51
2872	128.4739	-31.6865	290	105	395	1295.92
2873	128.446	-31.6864	290	101	391	1282.79
2874	128.4181	-31.6862	290	100	390	1279.51
2875	128.3902	-31.6861	290	100	390	1279.51
2876	128.3623	-31.686	290	101	391	1282.79

2877	128.3344	-31.6858	290	100	390	1279.51
2878	128.3065	-31.6857	290	100	390	1279.51
2879	128.5017	-31.7075	290	95	385	1263.11
2880	128.4738	-31.7074	290	100	390	1279.51
2881	128.4459	-31.7072	290	98	388	1272.95
2882	128.418	-31.7071	290	98	388	1272.95
2883	128.3901	-31.707	290	100	390	1279.51
2884	128.3622	-31.7068	290	102	392	1286.07
2885	128.3343	-31.7067	290	100	390	1279.51
2886	128.3064	-31.7066	290	100	390	1279.51
2887	128.5016	-31.7283	290	95	385	1263.11
2888	128.4737	-31.7282	290	93	383	1256.55
2889	128.4458	-31.7281	290	92	382	1253.27
2890	128.4179	-31.728	290	95	385	1263.11
2891	128.39	-31.7279	290	95	385	1263.11
2892	128.3621	-31.7277	290	100	390	1279.51
2893	128.3341	-31.7276	290	95	385	1263.11
2894	128.3062	-31.7274	290	100	390	1279.51
2895	128.4736	-31.7491	290	95	385	1263.11
2896	128.4457	-31.749	290	90	380	1246.70
2897	128.4177	-31.7488	290	90	380	1246.70
2898	128.3898	-31.7487	290	91	381	1249.98
2899	128.3619	-31.7486	290	97	387	1269.67
2900	128.334	-31.7484	290	95	385	1263.11
2901	128.3061	-31.7483	290	96	386	1266.39
2902	128.4176	-31.7652	290	90	380	1246.70
2903	128.435	-31.767	290	90	380	1246.70
2904	128.3897	-31.7696	290	90	380	1246.70
2905	128.3618	-31.7694	290	94	384	1259.83
2906	128.3338	-31.7693	290	95	385	1263.11
2907	128.3059	-31.7692	290	90	380	1246.70
2908	128.3058	-31.7865	290	95	385	1263.11
2909	128.1155	-31.5593	290	126	416	1364.81
2910	128.0876	-31.5591	290	128	418	1371.37
2911	128.0598	-31.5589	290	125	415	1361.53
2912	128.2546	-31.5811	290	115	405	1328.72

2913	128.2267	-31.5809	290	115	405	1328.72
2914	128.1989	-31.5807	290	115	405	1328.72
2915	128.171	-31.5805	290	115	405	1328.72
2916	128.1431	-31.5804	290	119	409	1341.85
2917	128.1153	-31.5802	290	120	410	1345.13
2918	128.0874	-31.58	290	125	415	1361.53
2919	128.0596	-31.5798	290	125	415	1361.53
2920	128.2544	-31.6019	290	110	400	1312.32
2921	128.2266	-31.6018	290	110	400	1312.32
2922	128.1987	-31.6016	290	110	400	1312.32
2923	128.1708	-31.6014	290	115	405	1328.72
2924	128.143	-31.6012	290	115	405	1328.72
2925	128.1151	-31.601	290	121	411	1348.41
2926	128.0872	-31.6008	290	125	415	1361.53
2927	128.0593	-31.6006	290	120	410	1345.13
2928	128.2543	-31.6228	290	105	395	1295.92
2929	128.2264	-31.6226	290	110	400	1312.32
2930	128.1985	-31.6225	290	110	400	1312.32
2931	128.1706	-31.6223	290	111	401	1315.60
2932	128.1428	-31.6221	290	113	403	1322.16
2933	128.1149	-31.6219	290	120	410	1345.13
2934	128.087	-31.6217	290	120	410	1345.13
2935	128.0591	-31.6215	290	119	409	1341.85
2936	128.2541	-31.6437	290	103	393	1289.35
2937	128.2262	-31.6435	290	107	397	1302.48
2938	128.1983	-31.6433	290	105	395	1295.92
2939	128.1705	-31.6431	290	111	401	1315.60
2940	128.1426	-31.643	290	110	400	1312.32
2941	128.1147	-31.6428	290	115	405	1328.72
2942	128.0868	-31.6426	290	120	410	1345.13
2943	128.0589	-31.6424	290	115	405	1328.72
2944	128.2539	-31.6645	290	102	392	1286.07
2945	128.226	-31.6644	290	105	395	1295.92
2946	128.1982	-31.6642	290	105	395	1295.92
2947	128.1703	-31.664	290	108	398	1305.76
2948	128.1145	-31.6636	290	115	405	1328.72

2949	128.0866	-31.6634	290	116	406	1332.00
2950	128.0587	-31.6632	290	110	400	1312.32
2951	128.2538	-31.6854	290	105	395	1295.92
2952	128.2259	-31.6852	290	105	395	1295.92
2953	128.198	-31.6851	290	105	395	1295.92
2954	128.1701	-31.6849	290	105	395	1295.92
2955	128.1143	-31.6845	290	115	405	1328.72
2956	128.0864	-31.6843	290	115	405	1328.72
2957	128.0585	-31.6841	290	110	400	1312.32
2958	128.2536	-31.7063	290	105	395	1295.92
2959	128.2257	-31.7061	290	105	395	1295.92
2960	128.1978	-31.7059	290	105	395	1295.92
2961	128.1699	-31.7057	290	105	395	1295.92
2962	128.142	-31.7056	290	110	400	1312.32
2963	128.1141	-31.7054	290	115	405	1328.72
2964	128.0862	-31.7052	290	115	405	1328.72
2965	128.0583	-31.705	290	110	400	1312.32
2966	128.2534	-31.7271	290	105	395	1295.92
2967	128.2255	-31.727	290	105	395	1295.92
2968	128.1976	-31.7268	290	105	395	1295.92
2969	128.1697	-31.7266	290	106	396	1299.20
2970	128.1418	-31.7264	290	105	395	1295.92
2971	128.1139	-31.7262	290	112	402	1318.88
2972	128.086	-31.726	290	115	405	1328.72
2973	128.0581	-31.7258	290	110	400	1312.32
2974	128.2533	-31.748	290	103	393	1289.35
2975	128.2253	-31.7478	290	105	395	1295.92
2976	128.1974	-31.7477	290	105	395	1295.92
2977	128.1695	-31.7475	290	105	395	1295.92
2978	128.1416	-31.7473	290	105	395	1295.92
2979	128.1137	-31.7471	290	110	400	1312.32
2980	128.0858	-31.7469	290	109	399	1309.04
2981	128.0579	-31.7467	290	112	402	1318.88
2982	128.2531	-31.7689	290	96	386	1266.39
2983	128.2252	-31.7687	290	100	390	1279.51
2984	128.1973	-31.7685	290	100	390	1279.51

2985	128.1693	-31.7683	290	100	390	1279.51
2986	128.1414	-31.7682	290	102	392	1286.07
2987	128.1135	-31.768	290	104	394	1292.64
2988	128.0856	-31.7678	290	105	395	1295.92
2989	128.0577	-31.7676	290	105	395	1295.92
2990	128.1971	-31.7881	290	100	390	1279.51
2991	128.1691	-31.7892	290	97	387	1269.67
2992	128.1412	-31.789	290	95	385	1263.11
2993	128.1133	-31.7888	290	97	387	1269.67
2994	128.0854	-31.7886	290	104	394	1292.64
2995	128.0575	-31.7884	290	102	392	1286.07
2996	128.0573	-31.8077	290	95	385	1263.11
2997	128.0852	-31.8095	290	97	387	1269.67
2998	128.0068	-31.5794	290	120	410	1345.13
2999	127.979	-31.5792	290	120	410	1345.13
3000	128.0066	-31.6002	290	120	410	1345.13
3001	127.9787	-31.6	290	120	410	1345.13
3002	127.9509	-31.5998	290	115	405	1328.72
3003	127.923	-31.5996	290	115	405	1328.72
3004	127.8951	-31.5993	290	111	401	1315.60
3005	127.8673	-31.5991	290	115	405	1328.72
3006	127.8394	-31.5988	290	115	405	1328.72
3007	127.8115	-31.5986	290	120	410	1345.13
3008	128.0064	-31.6211	290	115	405	1328.72
3009	127.9785	-31.6209	290	119	409	1341.85
3010	127.9506	-31.6207	290	115	405	1328.72
3011	127.9228	-31.6204	290	114	404	1325.44
3012	127.8949	-31.6202	290	110	400	1312.32
3013	127.867	-31.6199	290	110	400	1312.32
3014	127.8392	-31.6197	290	114	404	1325.44
3015	127.8113	-31.6194	290	115	405	1328.72
3016	128.0062	-31.642	290	114	404	1325.44
3017	127.9783	-31.6417	290	115	405	1328.72
3018	127.9504	-31.6415	290	110	400	1312.32
3019	127.9225	-31.6413	290	110	400	1312.32
3020	127.8947	-31.6411	290	105	395	1295.92

3021	127.8668	-31.6408	290	106	396	1299.20
3022	127.8389	-31.6406	290	110	400	1312.32
3023	127.811	-31.6403	290	110	400	1312.32
3024	128.0059	-31.6628	290	113	403	1322.16
3025	127.9781	-31.6626	290	110	400	1312.32
3026	127.9502	-31.6624	290	110	400	1312.32
3027	127.9216	-31.6621	290	105	395	1295.92
3028	127.8665	-31.6617	290	105	395	1295.92
3029	127.8386	-31.6614	290	105	395	1295.92
3030	127.8108	-31.6612	290	105	395	1295.92
3031	128.0057	-31.6837	290	110	400	1312.32
3032	127.9778	-31.6835	290	105	395	1295.92
3033	127.9499	-31.6833	290	105	395	1295.92
3034	127.919	-31.683	290	102	392	1286.07
3035	127.8663	-31.6825	290	100	390	1279.51
3036	127.8384	-31.6823	290	100	390	1279.51
3037	127.8105	-31.682	290	100	390	1279.51
3038	128.0055	-31.7046	290	114	404	1325.44
3039	127.9776	-31.7043	290	105	395	1295.92
3040	127.9497	-31.7041	290	105	395	1295.92
3041	127.9185	-31.7039	290	100	390	1279.51
3042	127.8939	-31.7036	290	100	390	1279.51
3043	127.866	-31.7034	290	97	387	1269.67
3044	127.8381	-31.7031	290	100	390	1279.51
3045	127.8102	-31.7029	290	95	385	1263.11
3046	128.0053	-31.7254	290	108	398	1305.76
3047	127.9774	-31.7252	290	110	400	1312.32
3048	127.9495	-31.725	290	100	390	1279.51
3049	127.9191	-31.7247	290	100	390	1279.51
3050	127.8937	-31.7245	290	95	385	1263.11
3051	127.8658	-31.7243	290	91	381	1249.98
3052	127.8379	-31.724	290	95	385	1263.11
3053	127.81	-31.7238	290	95	385	1263.11
3054	128.0051	-31.7463	290	105	395	1295.92
3055	127.9771	-31.7461	290	105	395	1295.92
3056	127.9492	-31.7458	290	100	390	1279.51

3057	127.8934	-31.7454	290	95	385	1263.11
3058	127.8655	-31.7451	290	90	380	1246.70
3059	127.8376	-31.7449	290	90	380	1246.70
3060	127.8097	-31.7446	290	91	381	1249.98
3061	128.0048	-31.7672	290	105	395	1295.92
3062	127.9769	-31.7669	290	105	395	1295.92
3063	127.949	-31.7667	290	100	390	1279.51
3064	127.9176	-31.7664	290	100	390	1279.51
3065	127.8932	-31.7662	290	93	383	1256.55
3066	127.8653	-31.766	290	88	378	1240.14
3067	127.8373	-31.7657	290	86	376	1233.58
3068	127.8088	-31.7655	290	90	380	1246.70
3069	128.0046	-31.788	290	100	390	1279.51
3070	127.9767	-31.7878	290	100	390	1279.51
3071	127.9488	-31.7876	290	97	387	1269.67
3072	127.9208	-31.7873	290	95	385	1263.11
3073	127.8929	-31.7871	290	95	385	1263.11
3074	127.865	-31.7869	290	85	375	1230.30
3075	127.8371	-31.7866	290	85	375	1230.30
3076	127.8092	-31.7863	290	87	377	1236.86
3077	127.9486	-31.8065	290	95	385	1263.11
3078	128.0044	-31.8089	290	95	385	1263.11
3079	127.9765	-31.8087	290	93	383	1256.55
3080	127.9206	-31.8082	290	95	385	1263.11
3081	127.8927	-31.808	290	90	380	1246.70
3082	127.8647	-31.8077	290	90	380	1246.70
3083	127.8368	-31.8075	290	85	375	1230.30
3084	127.8089	-31.8072	290	85	375	1230.30
3085	127.8366	-31.8243	290	90	380	1246.70
3086	127.8086	-31.8281	290	90	380	1246.70
3087	127.7585	-31.6189	290	115	405	1328.72
3088	127.7307	-31.6187	290	119	409	1341.85
3089	127.7028	-31.6184	290	115	405	1328.72
3090	127.7583	-31.6398	290	110	400	1312.32
3091	127.7304	-31.6395	290	120	410	1345.13
3092	127.7025	-31.6392	290	115	405	1328.72

3093	127.6746	-31.639	290	113	403	1322.16
3094	127.6468	-31.6387	290	115	405	1328.72
3095	127.6189	-31.6384	290	115	405	1328.72
3096	127.591	-31.6381	290	113	403	1322.16
3097	127.5631	-31.6378	290	120	410	1345.13
3098	127.758	-31.6607	290	110	400	1312.32
3099	127.7301	-31.6604	290	110	400	1312.32
3100	127.7022	-31.6601	290	115	405	1328.72
3101	127.6743	-31.6598	290	108	398	1305.76
3102	127.6465	-31.6595	290	116	406	1332.00
3103	127.6186	-31.6592	290	118	408	1338.57
3104	127.5907	-31.6589	290	115	405	1328.72
3105	127.5628	-31.6586	290	110	400	1312.32
3106	127.7577	-31.6815	290	103	393	1289.35
3107	127.7298	-31.6813	290	105	395	1295.92
3108	127.7019	-31.681	290	110	400	1312.32
3109	127.674	-31.6807	290	110	400	1312.32
3110	127.6462	-31.6804	290	115	405	1328.72
3111	127.6183	-31.6801	290	115	405	1328.72
3112	127.5904	-31.6798	290	110	400	1312.32
3113	127.5625	-31.6795	290	106	396	1299.20
3114	127.7574	-31.7024	290	100	390	1279.51
3115	127.7295	-31.7021	290	105	395	1295.92
3116	127.7016	-31.7018	290	105	395	1295.92
3117	127.6738	-31.7015	290	102	392	1286.07
3118	127.6459	-31.7013	290	108	398	1305.76
3119	127.618	-31.701	290	110	400	1312.32
3120	127.5901	-31.7006	290	105	395	1295.92
3121	127.5622	-31.7003	290	110	400	1312.32
3122	127.7572	-31.7233	290	95	385	1263.11
3123	127.7293	-31.723	290	98	388	1272.95
3124	127.7014	-31.7227	290	100	390	1279.51
3125	127.6735	-31.7224	290	101	391	1282.79
3126	127.6177	-31.7218	290	100	390	1279.51
3127	127.5898	-31.7215	290	102	392	1286.07
3128	127.5619	-31.7212	290	100	390	1279.51

3129	127.7569	-31.7441	290	95	385	1263.11
3130	127.729	-31.7438	290	95	385	1263.11
3131	127.7011	-31.7436	290	97	387	1269.67
3132	127.6732	-31.7433	290	95	385	1263.11
3133	127.6173	-31.7427	290	100	390	1279.51
3134	127.5894	-31.7424	290	100	390	1279.51
3135	127.5615	-31.7421	290	100	390	1279.51
3136	127.7566	-31.765	290	95	385	1263.11
3137	127.7287	-31.7647	290	90	380	1246.70
3138	127.7008	-31.7644	290	95	385	1263.11
3139	127.6729	-31.7641	290	95	385	1263.11
3140	127.6449	-31.7638	290	100	390	1279.51
3141	127.617	-31.7635	290	100	390	1279.51
3142	127.5891	-31.7632	290	95	385	1263.11
3143	127.5612	-31.7629	290	100	390	1279.51
3144	127.7563	-31.7858	290	90	380	1246.70
3145	127.7284	-31.7856	290	90	380	1246.70
3146	127.7005	-31.7853	290	95	385	1263.11
3147	127.6726	-31.785	290	90	380	1246.70
3148	127.6446	-31.7847	290	95	385	1263.11
3149	127.6167	-31.7844	290	100	390	1279.51
3150	127.5888	-31.7841	290	95	385	1263.11
3151	127.5609	-31.7838	290	95	385	1263.11
3152	127.756	-31.8067	290	85	375	1230.30
3153	127.7281	-31.8064	290	88	378	1240.14
3154	127.7002	-31.8061	290	95	385	1263.11
3155	127.6723	-31.8059	290	92	382	1253.27
3156	127.6443	-31.8056	290	94	384	1259.83
3157	127.6164	-31.8053	290	92	382	1253.27
3158	127.5885	-31.805	290	92	382	1253.27
3159	127.5606	-31.8046	290	95	385	1263.11
3160	127.7558	-31.8276	290	86	376	1233.58
3161	127.7278	-31.8273	290	85	375	1230.30
3162	127.6999	-31.827	290	90	380	1246.70
3163	127.672	-31.8267	290	90	380	1246.70
3164	127.644	-31.8264	290	90	380	1246.70

3165	127.6161	-31.8261	290	95	385	1263.11
3166	127.5882	-31.8258	290	95	385	1263.11
3167	127.5602	-31.8255	290	95	385	1263.11
3168	127.7275	-31.8482	290	85	375	1230.30
3169	127.6996	-31.8479	290	85	375	1230.30
3170	127.6717	-31.8476	290	85	375	1230.30
3171	127.6437	-31.8473	290	90	380	1246.70
3172	127.6158	-31.847	290	90	380	1246.70
3173	127.5879	-31.8467	290	92	382	1253.27
3174	127.5599	-31.8464	290	95	385	1263.11
3175	127.5875	-31.8675	290	85	375	1230.30
3176	127.5596	-31.8672	290	90	380	1246.70
3177	127.4825	-31.6368	290	130	420	1377.94
3178	127.4547	-31.6365	290	125	415	1361.53
3179	127.4268	-31.6361	290	125	415	1361.53
3180	127.3989	-31.6358	290	125	415	1361.53
3181	127.371	-31.6354	290	130	420	1377.94
3182	127.3432	-31.6351	290	130	420	1377.94
3183	127.3153	-31.6347	290	130	420	1377.94
3184	127.5101	-31.658	290	126	416	1364.81
3185	127.4822	-31.6577	290	125	415	1361.53
3186	127.4543	-31.6573	290	130	420	1377.94
3187	127.4264	-31.657	290	120	410	1345.13
3188	127.3985	-31.6567	290	120	410	1345.13
3189	127.3707	-31.6563	290	125	415	1361.53
3190	127.3428	-31.6559	290	125	415	1361.53
3191	127.3149	-31.6556	290	130	420	1377.94
3192	127.5097	-31.6789	290	120	410	1345.13
3193	127.4818	-31.6785	290	124	414	1358.25
3194	127.454	-31.6782	290	125	415	1361.53
3195	127.4261	-31.6779	290	115	405	1328.72
3196	127.3982	-31.6775	290	120	410	1345.13
3197	127.3703	-31.6772	290	120	410	1345.13
3198	127.3424	-31.6768	290	130	420	1377.94
3199	127.3145	-31.6764	290	130	420	1377.94
3200	127.5094	-31.6997	290	115	405	1328.72

3201	127.4815	-31.6994	290	120	410	1345.13
3202	127.4536	-31.6991	290	117	407	1335.29
3203	127.4257	-31.6987	290	110	400	1312.32
3204	127.3978	-31.6984	290	119	409	1341.85
3205	127.3699	-31.698	290	115	405	1328.72
3206	127.3421	-31.6977	290	125	415	1361.53
3207	127.3142	-31.6973	290	125	415	1361.53
3208	127.5091	-31.7206	290	105	395	1295.92
3209	127.4812	-31.7203	290	110	400	1312.32
3210	127.4533	-31.7199	290	105	395	1295.92
3211	127.4254	-31.7196	290	105	395	1295.92
3212	127.3975	-31.7192	290	114	404	1325.44
3213	127.3696	-31.7189	290	115	405	1328.72
3214	127.3417	-31.7185	290	127	417	1368.09
3215	127.3138	-31.7182	290	125	415	1361.53
3216	127.5087	-31.7415	290	105	395	1295.92
3217	127.4808	-31.7411	290	100	390	1279.51
3218	127.4529	-31.7408	290	105	395	1295.92
3219	127.425	-31.7404	290	100	390	1279.51
3220	127.3692	-31.7397	290	110	400	1312.32
3221	127.3413	-31.7394	290	120	410	1345.13
3222	127.3134	-31.739	290	125	415	1361.53
3223	127.5084	-31.7623	290	100	390	1279.51
3224	127.4805	-31.762	290	100	390	1279.51
3225	127.4526	-31.7616	290	100	390	1279.51
3226	127.4247	-31.7613	290	96	386	1266.39
3227	127.3688	-31.7606	290	105	395	1295.92
3228	127.3409	-31.7602	290	115	405	1328.72
3229	127.313	-31.7599	290	125	415	1361.53
3230	127.5081	-31.7832	290	98	388	1272.95
3231	127.4801	-31.7828	290	96	386	1266.39
3232	127.4522	-31.7825	290	97	387	1269.67
3233	127.4243	-31.7822	290	90	380	1246.70
3234	127.3964	-31.7818	290	98	388	1272.95
3235	127.3685	-31.7815	290	104	394	1292.64
3236	127.3406	-31.7811	290	108	398	1305.76

3237	127.3127	-31.7807	290	111	401	1315.60
3238	127.5077	-31.804	290	96	386	1266.39
3239	127.4798	-31.8037	290	100	390	1279.51
3240	127.4519	-31.8034	290	90	380	1246.70
3241	127.424	-31.803	290	84	374	1227.02
3242	127.396	-31.8027	290	95	385	1263.11
3243	127.3681	-31.8023	290	100	390	1279.51
3244	127.3402	-31.802	290	100	390	1279.51
3245	127.3123	-31.8016	290	105	395	1295.92
3246	127.5074	-31.8249	290	90	380	1246.70
3247	127.4795	-31.8246	290	95	385	1263.11
3248	127.4515	-31.8242	290	91	381	1249.98
3249	127.4236	-31.8239	290	85	375	1230.30
3250	127.3957	-31.8235	290	88	378	1240.14
3251	127.3677	-31.8232	290	100	390	1279.51
3252	127.3398	-31.8228	290	90	380	1246.70
3253	127.3119	-31.8225	290	110	400	1312.32
3254	127.5071	-31.8458	290	90	380	1246.70
3255	127.4791	-31.8454	290	95	385	1263.11
3256	127.4512	-31.8451	290	85	375	1230.30
3257	127.4232	-31.8447	290	90	380	1246.70
3258	127.3953	-31.8444	290	95	385	1263.11
3259	127.3674	-31.844	290	91	381	1249.98
3260	127.3394	-31.8437	290	95	385	1263.11
3261	127.3115	-31.8433	290	105	395	1295.92
3262	127.5067	-31.8666	290	90	380	1246.70
3263	127.4788	-31.8663	290	85	375	1230.30
3264	127.3391	-31.8645	290	95	385	1263.11
3265	127.3111	-31.8642	290	104	394	1292.64
3266	127.2622	-31.6549	290	125	415	1361.53
3267	127.2343	-31.6545	290	120	410	1345.13
3268	127.2064	-31.6541	290	120	410	1345.13
3269	127.1785	-31.6537	290	120	410	1345.13
3270	127.1507	-31.6533	290	121	411	1348.41
3271	127.2618	-31.6757	290	125	415	1361.53
3272	127.2339	-31.6753	290	125	415	1361.53

3273	127.206	-31.675	290	120	410	1345.13
3274	127.1781	-31.6746	290	120	410	1345.13
3275	127.1503	-31.6742	290	123	413	1354.97
3276	127.1224	-31.6738	290	120	410	1345.13
3277	127.0945	-31.6733	290	120	410	1345.13
3278	127.0666	-31.6729	290	124	414	1358.25
3279	127.2614	-31.6966	290	120	410	1345.13
3280	127.2335	-31.6962	290	120	410	1345.13
3281	127.2056	-31.6958	290	120	410	1345.13
3282	127.1777	-31.6954	290	117	407	1335.29
3283	127.1498	-31.695	290	125	415	1361.53
3284	127.122	-31.6946	290	115	405	1328.72
3285	127.0941	-31.6942	290	120	410	1345.13
3286	127.0662	-31.6938	290	120	410	1345.13
3287	127.261	-31.7174	290	120	410	1345.13
3288	127.2331	-31.7171	290	119	409	1341.85
3289	127.2052	-31.7167	290	117	407	1335.29
3290	127.1773	-31.7163	290	117	407	1335.29
3291	127.1494	-31.7159	290	115	405	1328.72
3292	127.1215	-31.7155	290	116	406	1332.00
3293	127.0937	-31.7151	290	117	407	1335.29
3294	127.0658	-31.7146	290	115	405	1328.72
3295	127.2606	-31.7383	290	115	405	1328.72
3296	127.2327	-31.7379	290	115	405	1328.72
3297	127.2048	-31.7375	290	115	405	1328.72
3298	127.1769	-31.7371	290	110	400	1312.32
3299	127.149	-31.7367	290	110	400	1312.32
3300	127.1211	-31.7363	290	115	405	1328.72
3301	127.0932	-31.7359	290	117	407	1335.29
3302	127.0653	-31.7355	290	113	403	1322.16
3303	127.2602	-31.7592	290	115	405	1328.72
3304	127.2323	-31.7588	290	110	400	1312.32
3305	127.2044	-31.7584	290	110	400	1312.32
3306	127.1765	-31.758	290	110	400	1312.32
3307	127.1207	-31.7572	290	110	400	1312.32
3308	127.0928	-31.7568	290	111	401	1315.60

3309	127.0649	-31.7563	290	115	405	1328.72
3310	127.2598	-31.78	290	110	400	1312.32
3311	127.2319	-31.7796	290	105	395	1295.92
3312	127.204	-31.7792	290	105	395	1295.92
3313	127.1761	-31.7789	290	105	395	1295.92
3314	127.1203	-31.778	290	110	400	1312.32
3315	127.0924	-31.7776	290	110	400	1312.32
3316	127.0645	-31.7772	290	110	400	1312.32
3317	127.2594	-31.8009	290	110	400	1312.32
3318	127.2315	-31.8005	290	105	395	1295.92
3319	127.2036	-31.8001	290	105	395	1295.92
3320	127.1757	-31.7997	290	105	395	1295.92
3321	127.1478	-31.7993	290	105	395	1295.92
3322	127.1199	-31.7989	290	110	400	1312.32
3323	127.0919	-31.7985	290	109	399	1309.04
3324	127.064	-31.7981	290	108	398	1305.76
3325	127.2591	-31.8217	290	110	400	1312.32
3326	127.2311	-31.8214	290	107	397	1302.48
3327	127.2032	-31.821	290	102	392	1286.07
3328	127.1753	-31.8206	290	107	397	1302.48
3329	127.1474	-31.8202	290	102	392	1286.07
3330	127.1194	-31.8198	290	105	395	1295.92
3331	127.0915	-31.8193	290	110	400	1312.32
3332	127.0636	-31.8189	290	105	395	1295.92
3333	127.2587	-31.8426	290	105	395	1295.92
3334	127.2307	-31.8422	290	101	391	1282.79
3335	127.2028	-31.8418	290	105	395	1295.92
3336	127.1749	-31.8414	290	105	395	1295.92
3337	127.1469	-31.841	290	105	395	1295.92
3338	127.119	-31.8406	290	105	395	1295.92
3339	127.0911	-31.8402	290	110	400	1312.32
3340	127.0632	-31.8398	290	105	395	1295.92
3341	127.2583	-31.8635	290	100	390	1279.51
3342	127.2303	-31.8631	290	100	390	1279.51
3343	127.2024	-31.8627	290	102	392	1286.07
3344	127.1745	-31.8623	290	95	385	1263.11

3345	127.1465	-31.8619	290	105	395	1295.92
3346	127.1186	-31.8615	290	115	405	1328.72
3347	127.0907	-31.8611	290	105	395	1295.92
3348	127.0627	-31.8606	290	104	394	1292.64
3349	127.23	-31.8784	290	100	390	1279.51
3350	127.1462	-31.8773	290	105	395	1295.92
3351	127.258	-31.8794	290	100	390	1279.51
3352	127.0623	-31.8792	290	104	394	1292.64
3353	127.1182	-31.8823	290	107	397	1302.48
3354	127.0902	-31.8819	290	110	400	1312.32
3355	127.0134	-31.693	290	125	415	1361.53
3356	126.9856	-31.6925	290	125	415	1361.53
3357	126.9577	-31.6921	290	132	422	1384.50
3358	126.9298	-31.6916	290	130	420	1377.94
3359	126.9019	-31.6912	290	135	425	1394.34
3360	126.874	-31.6907	290	127	417	1368.09
3361	126.8461	-31.6903	290	120	410	1345.13
3362	126.8183	-31.6898	290	120	410	1345.13
3363	126.7904	-31.6893	290	120	410	1345.13
3364	127.013	-31.7138	290	118	408	1338.57
3365	126.9851	-31.7134	290	131	421	1381.22
3366	126.9572	-31.7129	290	135	425	1394.34
3367	126.9293	-31.7125	290	130	420	1377.94
3368	126.9014	-31.712	290	130	420	1377.94
3369	126.8736	-31.7116	290	120	410	1345.13
3370	126.8457	-31.7111	290	121	411	1348.41
3371	126.8178	-31.7106	290	120	410	1345.13
3372	126.7899	-31.7101	290	120	410	1345.13
3373	127.0125	-31.7347	290	115	405	1328.72
3374	126.9846	-31.7342	290	140	430	1410.74
3375	126.9568	-31.7338	290	135	425	1394.34
3376	126.9289	-31.7333	290	130	420	1377.94
3377	126.901	-31.7329	290	125	415	1361.53
3378	126.8731	-31.7324	290	120	410	1345.13
3379	126.8452	-31.732	290	122	412	1351.69
3380	126.8173	-31.7315	290	122	412	1351.69

3381	126.7894	-31.731	290	124	414	1358.25
3382	127.0121	-31.7555	290	110	400	1312.32
3383	126.9842	-31.7551	290	135	425	1394.34
3384	126.9563	-31.7547	290	131	421	1381.22
3385	126.9284	-31.7542	290	126	416	1364.81
3386	126.9005	-31.7537	290	125	415	1361.53
3387	126.8726	-31.7533	290	122	412	1351.69
3388	126.8447	-31.7528	290	123	413	1354.97
3389	126.8168	-31.7523	290	120	410	1345.13
3390	126.7889	-31.7519	290	115	405	1328.72
3391	127.0117	-31.7764	290	110	400	1312.32
3392	126.9837	-31.776	290	130	420	1377.94
3393	126.9558	-31.7755	290	130	420	1377.94
3394	126.9279	-31.7751	290	125	415	1361.53
3395	126.8721	-31.7741	290	125	415	1361.53
3396	126.8442	-31.7737	290	117	407	1335.29
3397	126.8163	-31.7732	290	115	405	1328.72
3398	126.7884	-31.7727	290	111	401	1315.60
3399	127.0112	-31.7972	290	120	410	1345.13
3400	126.9833	-31.7968	290	127	417	1368.09
3401	126.9554	-31.7964	290	130	420	1377.94
3402	126.9275	-31.7959	290	120	410	1345.13
3403	126.8716	-31.795	290	120	410	1345.13
3404	126.8437	-31.7945	290	115	405	1328.72
3405	126.8158	-31.794	290	115	405	1328.72
3406	126.7879	-31.7936	290	114	404	1325.44
3407	127.0108	-31.8181	290	120	410	1345.13
3408	126.9828	-31.8177	290	120	410	1345.13
3409	126.9549	-31.8172	290	125	415	1361.53
3410	126.927	-31.8168	290	123	413	1354.97
3411	126.8991	-31.8163	290	120	410	1345.13
3412	126.8712	-31.8158	290	120	410	1345.13
3413	126.8432	-31.8154	290	116	406	1332.00
3414	126.8153	-31.8149	290	115	405	1328.72
3415	126.7874	-31.8144	290	115	405	1328.72
3416	127.0103	-31.839	290	125	415	1361.53

3417	126.9824	-31.8385	290	120	410	1345.13
3418	126.9545	-31.8381	290	125	415	1361.53
3419	126.9265	-31.8376	290	120	410	1345.13
3420	126.8986	-31.8372	290	115	405	1328.72
3421	126.8707	-31.8367	290	115	405	1328.72
3422	126.8428	-31.8362	290	115	405	1328.72
3423	126.8148	-31.8357	290	108	398	1305.76
3424	126.7869	-31.8353	290	110	400	1312.32
3425	127.0099	-31.8598	290	115	405	1328.72
3426	126.9819	-31.8594	290	120	410	1345.13
3427	126.954	-31.8589	290	117	407	1335.29
3428	126.9261	-31.8585	290	115	405	1328.72
3429	126.8981	-31.858	290	115	405	1328.72
3430	126.8702	-31.8575	290	115	405	1328.72
3431	126.8423	-31.8571	290	115	405	1328.72
3432	126.8143	-31.8566	290	106	396	1299.20
3433	126.7864	-31.8561	290	105	395	1295.92
3434	127.0095	-31.8764	290	115	405	1328.72
3435	126.9815	-31.8802	290	119	409	1341.85
3436	126.9535	-31.8798	290	115	405	1328.72
3437	126.9256	-31.8793	290	115	405	1328.72
3438	126.8977	-31.8789	290	112	402	1318.88
3439	126.8697	-31.8784	290	110	400	1312.32
3440	126.8418	-31.8779	290	110	400	1312.32
3441	126.8139	-31.8775	290	110	400	1312.32
3442	126.7859	-31.877	290	105	395	1295.92
3443	126.8972	-31.8976	290	115	405	1328.72
3444	126.8692	-31.8993	290	110	400	1312.32
3445	126.8413	-31.8988	290	105	395	1295.92
3446	126.8134	-31.8983	290	110	400	1312.32
3447	126.7854	-31.8978	290	108	398	1305.76
3448	126.7849	-31.9187	290	100	390	1279.51
3449	126.7371	-31.7092	290	121	411	1348.41
3450	126.7093	-31.7087	290	113	403	1322.16
3451	126.6814	-31.7082	290	106	396	1299.20
3452	126.6535	-31.7077	290	110	400	1312.32

3453	126.7366	-31.7301	290	120	410	1345.13
3454	126.7087	-31.7296	290	114	404	1325.44
3455	126.6809	-31.7291	290	105	395	1295.92
3456	126.653	-31.7286	290	100	390	1279.51
3457	126.6251	-31.728	290	100	390	1279.51
3458	126.5972	-31.7275	290	100	390	1279.51
3459	126.5693	-31.727	290	104	394	1292.64
3460	126.5444	-31.7265	290	105	395	1295.92
3461	126.7361	-31.7509	290	115	405	1328.72
3462	126.7082	-31.7504	290	110	400	1312.32
3463	126.6803	-31.7499	290	105	395	1295.92
3464	126.6524	-31.7494	290	100	390	1279.51
3465	126.6245	-31.7489	290	95	385	1263.11
3466	126.5967	-31.7484	290	100	390	1279.51
3467	126.5688	-31.7478	290	98	388	1272.95
3468	126.5439	-31.7474	290	105	395	1295.92
3469	126.7356	-31.7718	290	115	405	1328.72
3470	126.7077	-31.7713	290	110	400	1312.32
3471	126.6798	-31.7708	290	101	391	1282.79
3472	126.6519	-31.7703	290	95	385	1263.11
3473	126.624	-31.7697	290	95	385	1263.11
3474	126.5961	-31.7692	290	99	389	1276.23
3475	126.5682	-31.7687	290	105	395	1295.92
3476	126.5433	-31.7682	290	100	390	1279.51
3477	126.7351	-31.7926	290	113	403	1322.16
3478	126.7072	-31.7921	290	110	400	1312.32
3479	126.6793	-31.7916	290	100	390	1279.51
3480	126.6514	-31.7911	290	100	390	1279.51
3481	126.6235	-31.7906	290	95	385	1263.11
3482	126.5956	-31.7901	290	95	385	1263.11
3483	126.5677	-31.7895	290	105	395	1295.92
3484	126.5428	-31.7891	290	105	395	1295.92
3485	126.7346	-31.8135	290	110	400	1312.32
3486	126.7067	-31.813	290	106	396	1299.20
3487	126.6788	-31.8125	290	100	390	1279.51
3488	126.6509	-31.812	290	95	385	1263.11

3489	126.6229	-31.8114	290	98	388	1272.95
3490	126.595	-31.8109	290	95	385	1263.11
3491	126.5671	-31.8104	290	95	385	1263.11
3492	126.5422	-31.8099	290	105	395	1295.92
3493	126.7341	-31.8343	290	100	390	1279.51
3494	126.7062	-31.8338	290	105	395	1295.92
3495	126.6782	-31.8333	290	97	387	1269.67
3496	126.6503	-31.8328	290	95	385	1263.11
3497	126.5945	-31.8318	290	95	385	1263.11
3498	126.5666	-31.8312	290	95	385	1263.11
3499	126.5417	-31.8308	290	90	380	1246.70
3500	126.7336	-31.8552	290	102	392	1286.07
3501	126.7057	-31.8547	290	100	390	1279.51
3502	126.6777	-31.8542	290	97	387	1269.67
3503	126.6498	-31.8537	290	100	390	1279.51
3504	126.594	-31.8526	290	96	386	1266.39
3505	126.566	-31.8521	290	95	385	1263.11
3506	126.5411	-31.8516	290	95	385	1263.11
3507	126.7331	-31.876	290	110	400	1312.32
3508	126.7051	-31.8755	290	100	390	1279.51
3509	126.6772	-31.875	290	100	390	1279.51
3510	126.6493	-31.8745	290	97	387	1269.67
3511	126.6213	-31.874	290	95	385	1263.11
3512	126.5934	-31.8735	290	95	385	1263.11
3513	126.5655	-31.8729	290	100	390	1279.51
3514	126.5406	-31.8725	290	90	380	1246.70
3515	126.7326	-31.8969	290	105	395	1295.92
3516	126.7046	-31.8964	290	100	390	1279.51
3517	126.6767	-31.8959	290	95	385	1263.11
3518	126.6487	-31.8954	290	92	382	1253.27
3519	126.6208	-31.8948	290	90	380	1246.70
3520	126.5929	-31.8943	290	90	380	1246.70
3521	126.5649	-31.8938	290	90	380	1246.70
3522	126.54	-31.8933	290	90	380	1246.70
3523	126.732	-31.9177	290	105	395	1295.92
3524	126.7041	-31.9172	290	100	390	1279.51

3525	126.6762	-31.9167	290	95	385	1263.11
3526	126.6482	-31.9162	290	90	380	1246.70
3527	126.6203	-31.9157	290	90	380	1246.70
3528	126.5923	-31.9152	290	90	380	1246.70
3529	126.5644	-31.9146	290	90	380	1246.70
3530	126.5395	-31.9142	290	90	380	1246.70
3531	126.7315	-31.9386	290	105	395	1295.92
3532	126.7036	-31.9381	290	100	390	1279.51
3533	126.6756	-31.9376	290	96	386	1266.39
3534	126.6477	-31.9371	290	85	375	1230.30
3535	126.6197	-31.9365	290	90	380	1246.70
3536	126.5918	-31.936	290	90	380	1246.70
3537	126.5638	-31.9355	290	85	375	1230.30
3538	126.5389	-31.935	290	86	376	1233.58
3539	126.6752	-31.956	290	100	390	1279.51
3540	126.6471	-31.9579	290	95	385	1263.11
3541	126.6192	-31.9574	290	90	380	1246.70
3542	126.5912	-31.9569	290	91	381	1249.98
3543	126.5633	-31.9563	290	85	375	1230.30
3544	126.5383	-31.9559	290	85	375	1230.30
3545	126.5907	-31.9777	290	95	385	1263.11
3546	126.5627	-31.9772	290	94	384	1259.83
3547	126.5378	-31.9767	290	90	380	1246.70
3548	126.4898	-31.6837	290	120	410	1345.13
3549	126.4619	-31.6832	290	115	405	1328.72
3550	126.4341	-31.6826	290	118	408	1338.57
3551	126.4062	-31.6821	290	125	415	1361.53
3552	126.4892	-31.7046	290	110	400	1312.32
3553	126.4614	-31.704	290	114	404	1325.44
3554	126.4335	-31.7035	290	115	405	1328.72
3555	126.4056	-31.7029	290	120	410	1345.13
3556	126.3777	-31.7023	290	123	413	1354.97
3557	126.3499	-31.7018	290	121	411	1348.41
3558	126.322	-31.7012	290	127	417	1368.09
3559	126.2941	-31.7006	290	130	420	1377.94
3560	126.4887	-31.7254	290	110	400	1312.32

3561	126.4608	-31.7249	290	111	401	1315.60
3562	126.4329	-31.7243	290	115	405	1328.72
3563	126.405	-31.7238	290	115	405	1328.72
3564	126.3771	-31.7232	290	122	412	1351.69
3565	126.3493	-31.7226	290	122	412	1351.69
3566	126.3214	-31.722	290	125	415	1361.53
3567	126.2935	-31.7214	290	130	420	1377.94
3568	126.4881	-31.7463	290	110	400	1312.32
3569	126.4602	-31.7457	290	114	404	1325.44
3570	126.4323	-31.7452	290	110	400	1312.32
3571	126.4044	-31.7446	290	110	400	1312.32
3572	126.3766	-31.744	290	115	405	1328.72
3573	126.3487	-31.7435	290	123	413	1354.97
3574	126.3208	-31.7429	290	121	411	1348.41
3575	126.2929	-31.7423	290	125	415	1361.53
3576	126.4875	-31.7671	290	110	400	1312.32
3577	126.4596	-31.7666	290	110	400	1312.32
3578	126.4318	-31.766	290	110	400	1312.32
3579	126.4039	-31.7654	290	110	400	1312.32
3580	126.376	-31.7649	290	113	403	1322.16
3581	126.3481	-31.7643	290	120	410	1345.13
3582	126.3202	-31.7637	290	120	410	1345.13
3583	126.2923	-31.7631	290	117	407	1335.29
3584	126.487	-31.788	290	114	404	1325.44
3585	126.4591	-31.7874	290	110	400	1312.32
3586	126.4312	-31.7869	290	110	400	1312.32
3587	126.4033	-31.7863	290	110	400	1312.32
3588	126.3754	-31.7857	290	111	401	1315.60
3589	126.3475	-31.7851	290	115	405	1328.72
3590	126.3196	-31.7846	290	115	405	1328.72
3591	126.2917	-31.784	290	115	405	1328.72
3592	126.4864	-31.8088	290	110	400	1312.32
3593	126.4585	-31.8083	290	115	405	1328.72
3594	126.4306	-31.8077	290	109	399	1309.04
3595	126.3748	-31.8066	290	115	405	1328.72
3596	126.3469	-31.806	290	115	405	1328.72

3597	126.319	-31.8054	290	114	404	1325.44
3598	126.2911	-31.8048	290	115	405	1328.72
3599	126.4858	-31.8297	290	110	400	1312.32
3600	126.4579	-31.8291	290	110	400	1312.32
3601	126.43	-31.8286	290	110	400	1312.32
3602	126.3742	-31.8274	290	110	400	1312.32
3603	126.3463	-31.8268	290	115	405	1328.72
3604	126.3184	-31.8262	290	115	405	1328.72
3605	126.2905	-31.8257	290	109	399	1309.04
3606	126.4853	-31.8505	290	110	400	1312.32
3607	126.4574	-31.85	290	110	400	1312.32
3608	126.4294	-31.8494	290	110	400	1312.32
3609	126.4015	-31.8488	290	110	400	1312.32
3610	126.3736	-31.8483	290	110	400	1312.32
3611	126.3457	-31.8477	290	110	400	1312.32
3612	126.3178	-31.8471	290	110	400	1312.32
3613	126.2899	-31.8465	290	106	396	1299.20
3614	126.4847	-31.8714	290	107	397	1302.48
3615	126.4568	-31.8708	290	105	395	1295.92
3616	126.4289	-31.8702	290	105	395	1295.92
3617	126.4009	-31.8697	290	111	401	1315.60
3618	126.373	-31.8691	290	110	400	1312.32
3619	126.3451	-31.8685	290	110	400	1312.32
3620	126.3172	-31.8679	290	110	400	1312.32
3621	126.2892	-31.8673	290	105	395	1295.92
3622	126.4841	-31.8922	290	100	390	1279.51
3623	126.4562	-31.8917	290	105	395	1295.92
3624	126.4283	-31.8911	290	100	390	1279.51
3625	126.4004	-31.8905	290	105	395	1295.92
3626	126.3724	-31.89	290	109	399	1309.04
3627	126.3445	-31.8894	290	105	395	1295.92
3628	126.3166	-31.8888	290	107	397	1302.48
3629	126.2886	-31.8882	290	105	395	1295.92
3630	126.4836	-31.9131	290	88	378	1240.14
3631	126.4556	-31.9125	290	100	390	1279.51
3632	126.483	-31.9339	290	85	375	1230.30

3633	126.4551	-31.9334	290	100	390	1279.51
3634	126.4824	-31.9548	290	90	380	1246.70
3635	126.4545	-31.9542	290	91	381	1249.98
3636	126.4819	-31.9756	290	90	380	1246.70
3637	126.4539	-31.975	290	90	380	1246.70
3638	126.2417	-31.6876	290	135	425	1394.34
3639	126.2139	-31.687	290	135	425	1394.34
3640	126.186	-31.6864	290	130	420	1377.94
3641	126.1581	-31.6858	290	130	420	1377.94
3642	126.1303	-31.6852	290	135	425	1394.34
3643	126.1024	-31.6846	290	130	420	1377.94
3644	126.0746	-31.6839	290	130	420	1377.94
3645	126.0467	-31.6833	290	131	421	1381.22
3646	126.0221	-31.6827	290	134	424	1391.06
3647	126.2411	-31.7085	290	128	418	1371.37
3648	126.2132	-31.7079	290	130	420	1377.94
3649	126.1854	-31.7073	290	132	422	1384.50
3650	126.1575	-31.7066	290	127	417	1368.09
3651	126.1296	-31.706	290	125	415	1361.53
3652	126.1018	-31.7054	290	125	415	1361.53
3653	126.0739	-31.7048	290	130	420	1377.94
3654	126.046	-31.7041	290	130	420	1377.94
3655	126.0215	-31.7035	290	130	420	1377.94
3656	126.2405	-31.7293	290	121	411	1348.41
3657	126.2126	-31.7287	290	125	415	1361.53
3658	126.1847	-31.7281	290	125	415	1361.53
3659	126.1569	-31.7275	290	125	415	1361.53
3660	126.129	-31.7269	290	125	415	1361.53
3661	126.1011	-31.7262	290	125	415	1361.53
3662	126.0732	-31.7256	290	125	415	1361.53
3663	126.0454	-31.725	290	130	420	1377.94
3664	126.0208	-31.7244	290	130	420	1377.94
3665	126.2399	-31.7502	290	120	410	1345.13
3666	126.212	-31.7496	290	120	410	1345.13
3667	126.1841	-31.749	290	120	410	1345.13
3668	126.1562	-31.7483	290	120	410	1345.13

3669	126.1283	-31.7477	290	115	405	1328.72
3670	126.1005	-31.7471	290	120	410	1345.13
3671	126.0726	-31.7464	290	125	415	1361.53
3672	126.0447	-31.7458	290	129	419	1374.66
3673	126.0201	-31.7452	290	130	420	1377.94
3674	126.2393	-31.771	290	120	410	1345.13
3675	126.2114	-31.7704	290	118	408	1338.57
3676	126.1835	-31.7698	290	120	410	1345.13
3677	126.1556	-31.7692	290	115	405	1328.72
3678	126.0998	-31.7679	290	120	410	1345.13
3679	126.0719	-31.7673	290	124	414	1358.25
3680	126.044	-31.7666	290	120	410	1345.13
3681	126.0195	-31.7661	290	125	415	1361.53
3682	126.2386	-31.7919	290	117	407	1335.29
3683	126.2107	-31.7913	290	115	405	1328.72
3684	126.1828	-31.7906	290	116	406	1332.00
3685	126.1549	-31.79	290	112	402	1318.88
3686	126.0992	-31.7888	290	115	405	1328.72
3687	126.0713	-31.7881	290	117	407	1335.29
3688	126.0434	-31.7875	290	120	410	1345.13
3689	126.0188	-31.7869	290	125	415	1361.53
3690	126.238	-31.8127	290	115	405	1328.72
3691	126.2101	-31.8121	290	115	405	1328.72
3692	126.1822	-31.8115	290	110	400	1312.32
3693	126.1543	-31.8109	290	110	400	1312.32
3694	126.1264	-31.8102	290	113	403	1322.16
3695	126.0985	-31.8096	290	110	400	1312.32
3696	126.0706	-31.809	290	115	405	1328.72
3697	126.0427	-31.8083	290	115	405	1328.72
3698	126.0181	-31.8077	290	116	406	1332.00
3699	126.2374	-31.8335	290	115	405	1328.72
3700	126.2095	-31.8329	290	110	400	1312.32
3701	126.1816	-31.8323	290	110	400	1312.32
3702	126.1537	-31.8317	290	106	396	1299.20
3703	126.1258	-31.8311	290	110	400	1312.32
3704	126.0979	-31.8304	290	110	400	1312.32

3705	126.07	-31.8298	290	112	402	1318.88
3706	126.0421	-31.8292	290	115	405	1328.72
3707	126.0175	-31.8286	290	115	405	1328.72
3708	126.2368	-31.8544	290	110	400	1312.32
3709	126.2089	-31.8538	290	110	400	1312.32
3710	126.1809	-31.8532	290	107	397	1302.48
3711	126.153	-31.8525	290	107	397	1302.48
3712	126.1251	-31.8519	290	109	399	1309.04
3713	126.0972	-31.8513	290	110	400	1312.32
3714	126.0693	-31.8506	290	109	399	1309.04
3715	126.0414	-31.85	290	105	395	1295.92
3716	126.0168	-31.8494	290	115	405	1328.72
3717	126.2361	-31.8752	290	109	399	1309.04
3718	126.2082	-31.8746	290	105	395	1295.92
3719	126.1803	-31.874	290	105	395	1295.92
3720	126.1524	-31.8734	290	105	395	1295.92
3721	126.1245	-31.8728	290	105	395	1295.92
3722	126.0966	-31.8721	290	105	395	1295.92
3723	126.0686	-31.8715	290	105	395	1295.92
3724	126.0407	-31.8708	290	105	395	1295.92
3725	126.0161	-31.8703	290	105	395	1295.92
3726	126.2355	-31.8961	290	105	395	1295.92
3727	126.2076	-31.8955	290	105	395	1295.92
3728	126.1797	-31.8949	290	105	395	1295.92
3729	126.1517	-31.8942	290	101	391	1282.79
3730	126.1238	-31.8936	290	104	394	1292.64
3731	126.0959	-31.893	290	102	392	1286.07
3732	126.068	-31.8923	290	100	390	1279.51
3733	126.0401	-31.8917	290	102	392	1286.07
3734	126.0154	-31.8911	290	100	390	1279.51