



Notice to Mariners – Hornsea Project Two

Notice of Geotechnical Survey – Issued 22nd June 2018

1. INTRODUCTION

Mariners are advised that Hornsea Project Two is undertaking ongoing geotechnical investigations at the proposed Hornsea Project Two Offshore Wind Farm located within the UK Sector of the North Sea, off the coast of East Yorkshire as shown in Figures 1 and 2. These geotechnical investigations are being undertaken in addition to ongoing geophysical surveys for the site. The geotechnical survey operations commenced on the 1st June and may continue through to the 31st October (weather dependent).

Two further vessels, the Normand Flower and Gargano, will join the Fugro Scout and M/V Despina in the geotechnical campaign. All will be undertaking seabed investigations within the wind farm array area and at selected sites along the export cable route. Further vessels will also join the geotechnical campaign and updates to these Notice to Mariners will be issued accordingly.

2. AREA OF OPERATIONS

Activities will centre on the Hornsea Project Two offshore wind farm array area and at selected locations along the export cable route as shown in Figure 1. Note that the proposed geotechnical survey area overlaps with the ongoing geophysical survey area shown in Figure 2. The coordinates of the geotechnical survey are appended to the end of this Notice. Mariners are advised that MaxSea and Olex plotter files of the proposed survey areas can be provided by the Project's Commercial Fisheries Advisors at Brown and May Marine Limited and the Project's onshore fisheries liaison. Contact details are provided in Section 5 of this Notice.

The survey vessels will be deployed to survey locations within the area at times and positions determined by client requirements, weather and sea conditions. The Despina and Normand Flower will operate out of Immingham, the Gargano will mobilise from Falmouth, and the Fugro Scout will mobilise from Ijmuiden, Netherlands.

Figure 1. Geotechnical Survey Area

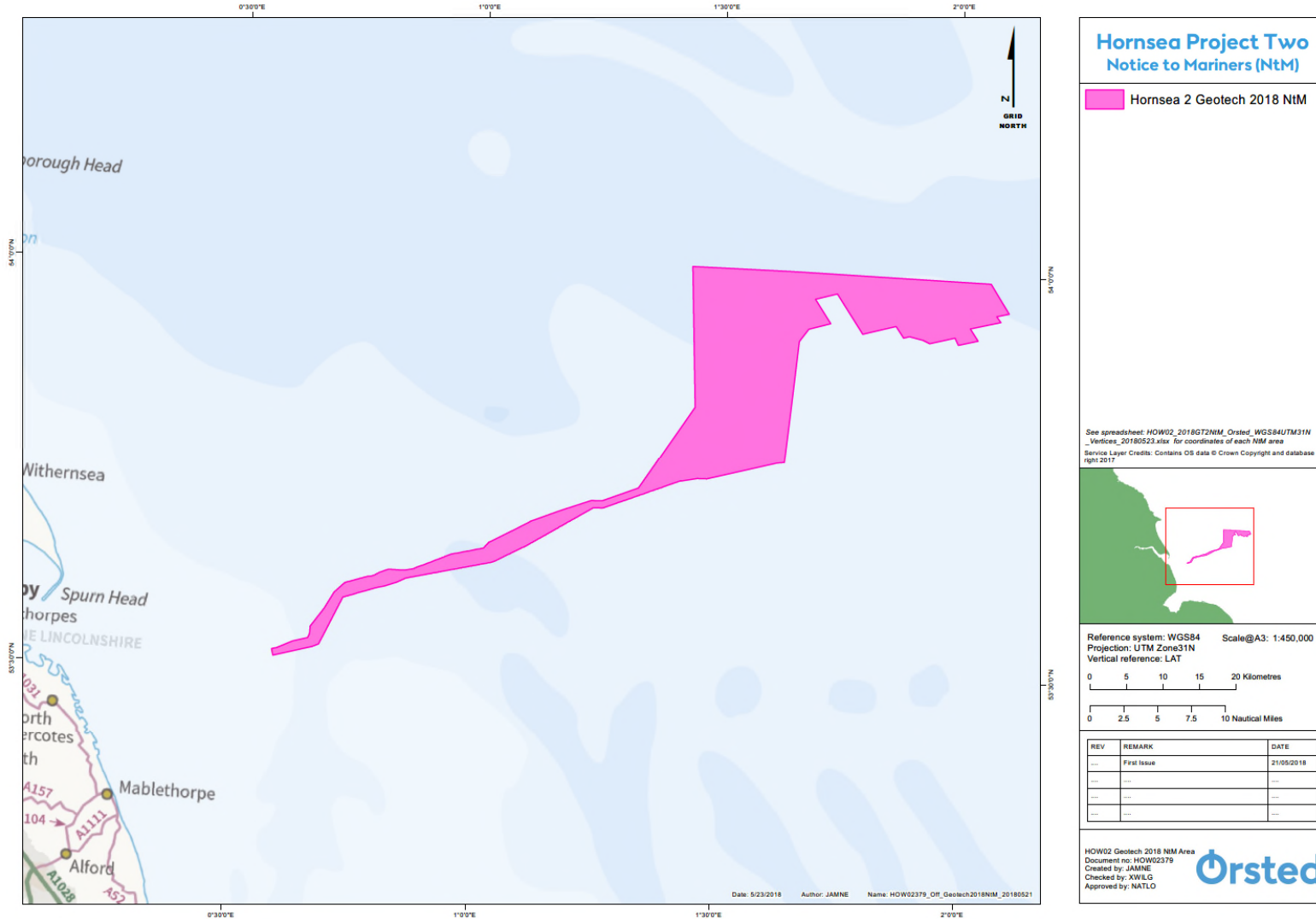
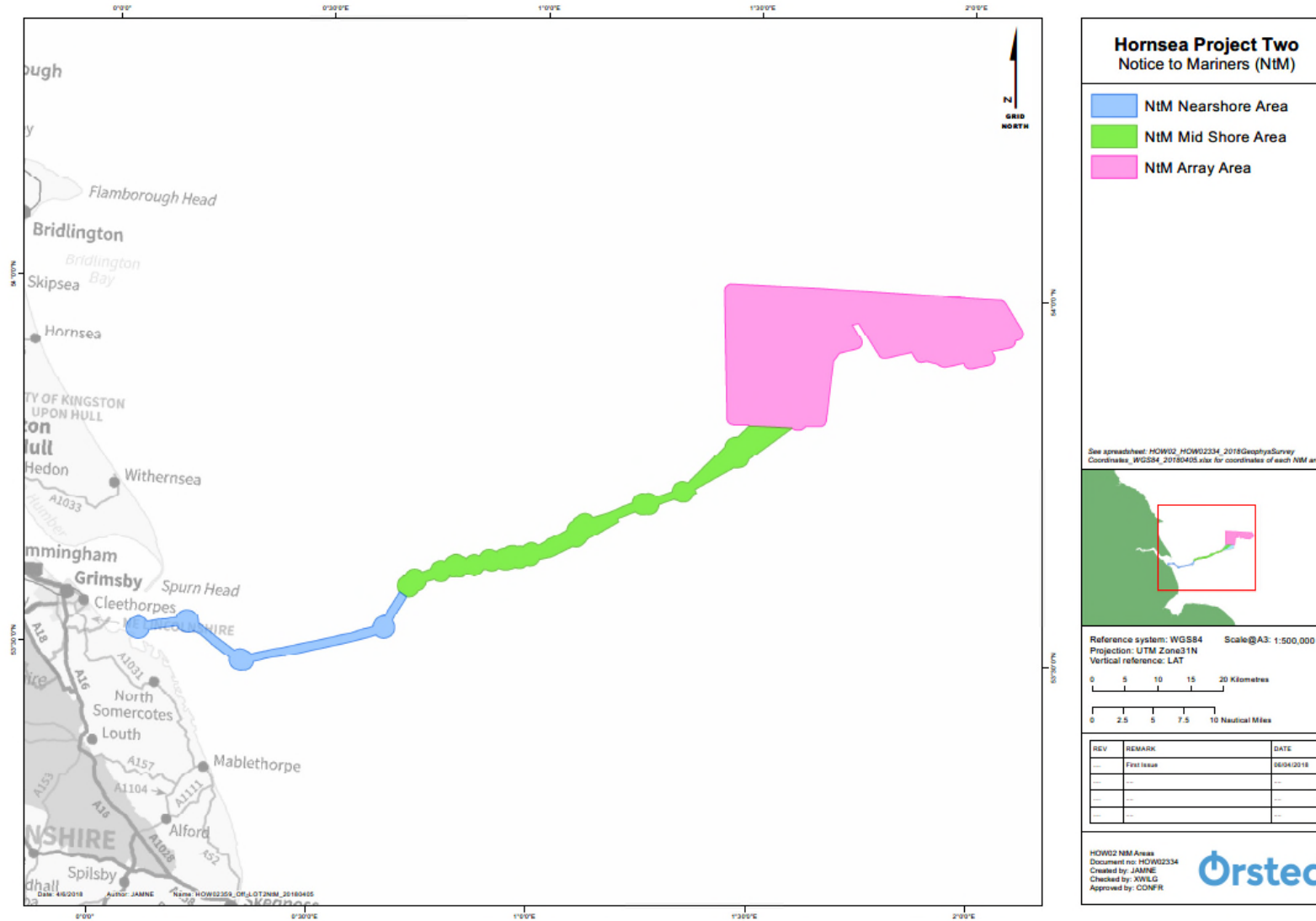


Figure 2: Ongoing Geophysical Survey Campaign Area



3. SURVEY

3.1 Geotechnical Survey

Please be advised that Ørsted will be carrying out geotechnical surveys using the M/V Despina, Fugro Scout, Normand Flower and Gargano within the Hornsea Project Two Wind Farm boundary. Note that this geotechnical survey scope will be undertaken alongside the ongoing geophysical survey scope within the Hornsea Project Two Wind Farm boundary therefore the vessels will be present at various locations within the site at any one time.

The M/V Despina has mobilised. The Fugro Scout is expected to arrive on site on, or around the 22nd June, the Gargano is expected to mobilise on or after the 28th June and the Normand Flower is expected to mobilise on or after 1st July. The exact survey dates are dependent on weather and work progress, but the forecasted completion date as of the publication date of this notice is the end of October 2018.

The vessels will be deploying geotechnical sampling equipment (vibrocorer and cone-penetration testing (CPT) equipment). Once at the selected sample locations, the vessels will have limited manoeuvrability and it is requested that all vessels operating near the proposed survey area keep a safe distance (at least 500m) and pass at minimum speed.

3.2 Safety

It is requested that anybody having knowledge of any potential objects submerged or moored on the seabed within the survey area that could be damaged or form a hazard to the survey vessels and equipment advises the Project's Fishing Industry Liaison of their position and nature. The Project has also requested the clearance of static fishing gear within the boundary shown in Figure 1 and 2 and described in Section 7 of this Notice. When surveys commence a listening watch will be maintained on VHF Channel 12 and 16 when within the appropriate port authority area, and will actively transmit an AIS signal. The survey vessels will also broadcast at regular daily intervals the vessel position, operational information and intentions.

4. IMMEDIATE CONTACTS

The contents of this notice are based upon our current understanding of Project Two requirements. A further notice will be issued once survey operations are completed.

Enquiries regarding the contents of this Notice to Mariners or any other matters should be directed to:

Geotechnical Investigations:		
Project Manager (Ørsted)	Mira Rosten	
Tel: +44 (0)7824 545178	Mob: +44 (0)7824 545178	E-mail: mirro@orsted.co.uk
Vessel Manager (M/V Despina)	Kurt Kleppe	
Tel: +47 22 13 46 00	Mob: +47 95 72 14 19	E-mail: k.kleppe@fugro.com
CPT Package Manager (M/V Despina)	Vicki Griffiths	
Tel: +44 (0)1491 820 696	Mob: +44 (0)7881 266 233	E-mail: v.griffiths@fugro.com
Vessel Manager (Fugro Scout)	Dirk-Jan Karssens	

Tel: +31 703 115 314	Mob: +31 651 295 849	E-mail: dj.karssen@fugro.com
Work Package Manager (Gargano)	Frank Ruhs	
Tel: +31 70 311 53 27	Tel: +31 6 1369 9702	E-mail: f.ruhs@fugro.com
Work Package Manager – Normand Flower	Tom Mather	
	Tel: +44 (0) 7891 735 121	E-mail: t.mather@fugro.com

5. FISHERIES LIAISON

Project Two Onshore Fisheries Liaison for this survey is provided by Nick Garside and Alex Winrow-Giffin who can be contacted on:

E-mail: nick.garside@live.co.uk	Mob: +44 (0) 7538 827013
Email: alex@brownmay.com	Mob: +44 (0) 7760 160039

It is envisaged that an Offshore Fisheries Liaison Officer will be on-board the geophysical survey vessels during the works, contactable on VHF channel 16.

In the event the Onshore Fisheries Liaison is not contactable please direct fisheries enquiries related to the survey works to the Ørsted Company Fisheries Liaison Officer:

Company Fisheries Liaison Officer – Courtney French	Tel: +44 (0)7796 447372	E-mail: CONFR@orsted.co.uk
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6. SURVEY VESSELS

Survey operations will continue using the M/V Despina and Fugro Scout, whose details are provided below. Further geotechnical vessels will be on site to continue the survey campaign and this NtM will be re-issued with further details. Contact can be made directly with the vessels, where necessary, using the contact details listed below. Client and contractor contact details are provided in Section 4 and 5 of this NtM.

Vessel Contact Details – M/V Despina		
Vessel Telephone	Telephone Master	+47 23 67 72 01
	Telephone Bridge	+47 23 67 72 00
	Telephone Party Chief	+47 23 67 72 03
Vessel Contact Details – Fugro Scout		
Vessel Telephone	Telephone Master	+47 22 40 96 86
	Telephone Bridge	+47 22 40 96 85
	Telephone Party Chief	+47 22 40 96 88
	Inmarsat Tel	+870 601 081 726
Vessel Contact Details - Gargano		
Vessel Telephone	Telephone Master	+44 7788 975 807
	Telephone Bridge	+44 (0)1224 395 863
	Telephone Client Rep	+31 20 808 0585
	Inmarsat Tel	+ 870 773 262 058
	E-mail	gargano@gtships.com

Vessel Contact Details – M/V Normand Flower		
Vessel Telephone	Telephone Bridge 1	+47 52 85 60 21
	Telephone Bridge 2	+47 52 85 60 20
	Telephone Client Rep	+47 2367 56 01

General Information	
Name	M/V Despina
Flag	Norway (NO)
Year Built	2011
MMSI Number	259027000
Call Sign	LAKW7
Class	DNV GL





Dimensions	
Length	98.19m
Breadth	19.01m
Draught	6.6m

General Information	
Name	Fugro Scout
Flag	Singapore (SG)
Year Built	2015
MMSI Number	566948000
Call Sign	9V3887
Class	DNV+1A1



Dimensions	
Length	82.9m
Breadth	19.8m
Draft	5.65m

General Information	
Name	Gargano
Flag	United Kingdom (UK)
Year Built	2002
MMSI Number	235362000
Call Sign	VSMW5
Class	DNV GL
	
Dimensions	
Length	72m
Breadth	16m
Draft	5.9m

General Information	
Name	Normand Flower
Flag	United Kingdom (UK)
Year Built	2002
MMSI Number	258609000
Call Sign	LAXN7
Class	DNV
	
Dimensions	
Length	93.1m
Breadth	21.03m

7. COORDINATES

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
1	0° 35' 6.194" E	53° 31' 22.994" N
2	0° 35' 19.300" E	53° 31' 24.928" N
3	0° 35' 21.843" E	53° 31' 25.327" N
4	0° 35' 32.068" E	53° 31' 26.787" N
5	0° 35' 36.053" E	53° 31' 27.377" N
6	0° 35' 41.950" E	53° 31' 28.260" N
7	0° 35' 43.595" E	53° 31' 28.496" N
8	0° 35' 44.372" E	53° 31' 28.607" N
9	0° 37' 42.805" E	53° 32' 0.873" N
10	0° 39' 31.907" E	53° 32' 17.811" N
11	0° 39' 45.761" E	53° 32' 35.766" N
12	0° 39' 47.689" E	53° 33' 8.134" N
13	0° 41' 27.420" E	53° 34' 28.879" N
14	0° 42' 37.825" E	53° 35' 42.540" N
15	0° 43' 37.980" E	53° 36' 16.336" N
16	0° 43' 52.599" E	53° 36' 24.545" N
17	0° 43' 54.153" E	53° 36' 25.589" N
18	0° 43' 56.932" E	53° 36' 26.230" N
19	0° 43' 58.948" E	53° 36' 26.676" N
20	0° 44' 0.292" E	53° 36' 26.951" N
21	0° 44' 3.370" E	53° 36' 27.713" N
22	0° 44' 6.185" E	53° 36' 28.315" N
23	0° 44' 9.111" E	53° 36' 28.952" N
24	0° 44' 10.235" E	53° 36' 29.189" N
25	0° 44' 12.903" E	53° 36' 29.677" N
26	0° 44' 16.103" E	53° 36' 30.246" N
27	0° 44' 17.670" E	53° 36' 30.489" N
28	0° 44' 20.135" E	53° 36' 30.877" N
29	0° 44' 21.129" E	53° 36' 31.025" N
30	0° 44' 22.606" E	53° 36' 31.273" N
31	0° 44' 23.394" E	53° 36' 31.406" N
32	0° 44' 25.194" E	53° 36' 31.722" N
33	0° 44' 26.711" E	53° 36' 31.974" N
34	0° 44' 29.255" E	53° 36' 32.361" N
35	0° 44' 31.312" E	53° 36' 32.692" N
36	0° 44' 34.877" E	53° 36' 33.297" N
37	0° 44' 39.706" E	53° 36' 34.156" N
38	0° 44' 43.300" E	53° 36' 34.809" N
39	0° 44' 44.545" E	53° 36' 35.043" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
40	0° 44' 49.902" E	53° 36' 36.027" N
41	0° 44' 55.259" E	53° 36' 37.003" N
42	0° 44' 59.224" E	53° 36' 37.736" N
43	0° 45' 2.728" E	53° 36' 38.385" N
44	0° 45' 7.011" E	53° 36' 39.149" N
45	0° 45' 12.722" E	53° 36' 40.191" N
46	0° 45' 17.535" E	53° 36' 41.060" N
47	0° 45' 20.066" E	53° 36' 41.516" N
48	0° 45' 24.688" E	53° 36' 42.339" N
49	0° 45' 26.756" E	53° 36' 42.701" N
50	0° 45' 30.632" E	53° 36' 43.410" N
51	0° 45' 34.098" E	53° 36' 44.056" N
52	0° 45' 34.322" E	53° 36' 44.097" N
53	0° 45' 37.459" E	53° 36' 44.664" N
54	0° 45' 40.350" E	53° 36' 45.206" N
55	0° 45' 44.603" E	53° 36' 45.998" N
56	0° 45' 48.549" E	53° 36' 46.717" N
57	0° 45' 52.663" E	53° 36' 47.436" N
58	0° 45' 54.901" E	53° 36' 47.808" N
59	0° 45' 55.723" E	53° 36' 47.950" N
60	0° 45' 57.292" E	53° 36' 48.220" N
61	0° 46' 2.199" E	53° 36' 49.118" N
62	0° 46' 14.940" E	53° 36' 51.434" N
63	0° 46' 15.656" E	53° 36' 51.568" N
64	0° 46' 17.648" E	53° 36' 51.935" N
65	0° 46' 19.878" E	53° 36' 52.397" N
66	0° 46' 20.340" E	53° 36' 52.493" N
67	0° 46' 23.954" E	53° 36' 53.174" N
68	0° 46' 28.130" E	53° 36' 53.962" N
69	0° 46' 33.558" E	53° 36' 54.902" N
70	0° 46' 37.332" E	53° 36' 55.585" N
71	0° 46' 41.657" E	53° 36' 56.232" N
72	0° 46' 44.078" E	53° 36' 56.530" N
73	0° 46' 44.096" E	53° 36' 56.532" N
74	0° 46' 46.244" E	53° 36' 56.796" N
75	0° 46' 50.129" E	53° 36' 57.169" N
76	0° 46' 53.864" E	53° 36' 57.481" N
77	0° 46' 56.519" E	53° 36' 57.640" N
78	0° 46' 59.628" E	53° 36' 57.751" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
79	0° 47' 2.791" E	53° 36' 57.850" N
80	0° 47' 5.990" E	53° 36' 57.892" N
81	0° 47' 6.962" E	53° 36' 58.077" N
82	0° 47' 9.963" E	53° 36' 58.670" N
83	0° 47' 13.417" E	53° 36' 59.291" N
84	0° 47' 18.630" E	53° 37' 0.150" N
85	0° 47' 21.942" E	53° 37' 0.748" N
86	0° 47' 25.270" E	53° 37' 1.336" N
87	0° 47' 31.870" E	53° 37' 2.586" N
88	0° 48' 15.724" E	53° 37' 16.649" N
89	0° 49' 14.047" E	53° 37' 31.003" N
90	0° 49' 37.807" E	53° 37' 30.488" N
91	0° 50' 41.773" E	53° 37' 30.212" N
92	0° 51' 27.629" E	53° 37' 30.008" N
93	0° 52' 22.865" E	53° 37' 36.921" N
94	0° 52' 31.706" E	53° 37' 39.104" N
95	0° 52' 50.755" E	53° 37' 43.918" N
96	0° 53' 13.039" E	53° 37' 49.499" N
97	0° 53' 32.216" E	53° 37' 54.241" N
98	0° 53' 52.702" E	53° 37' 59.253" N
99	0° 54' 14.399" E	53° 38' 4.457" N
100	0° 54' 32.065" E	53° 38' 8.706" N
101	0° 54' 51.176" E	53° 38' 13.369" N
102	0° 55' 11.654" E	53° 38' 18.637" N
103	0° 55' 30.145" E	53° 38' 23.086" N
104	0° 55' 39.778" E	53° 38' 25.384" N
105	0° 55' 47.148" E	53° 38' 27.218" N
106	0° 55' 54.147" E	53° 38' 28.871" N
107	0° 56' 1.754" E	53° 38' 30.760" N
108	0° 56' 8.379" E	53° 38' 32.556" N
109	0° 56' 14.542" E	53° 38' 34.327" N
110	0° 56' 20.615" E	53° 38' 36.029" N
111	0° 56' 27.386" E	53° 38' 37.728" N
112	0° 56' 36.419" E	53° 38' 39.829" N
113	0° 56' 42.086" E	53° 38' 41.174" N
114	0° 56' 49.069" E	53° 38' 42.961" N
115	0° 56' 54.354" E	53° 38' 44.265" N
116	0° 56' 57.466" E	53° 38' 44.933" N
117	0° 57' 1.261" E	53° 38' 45.671" N
118	0° 57' 5.271" E	53° 38' 46.359" N
119	0° 57' 10.436" E	53° 38' 47.107" N
120	0° 57' 14.140" E	53° 38' 47.548" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
121	0° 57' 19.389" E	53° 38' 48.171" N
122	0° 57' 27.031" E	53° 38' 49.174" N
123	0° 57' 36.574" E	53° 38' 50.455" N
124	0° 57' 45.781" E	53° 38' 51.704" N
125	0° 57' 55.283" E	53° 38' 52.939" N
126	0° 58' 5.532" E	53° 38' 54.231" N
127	0° 58' 15.317" E	53° 38' 55.469" N
128	0° 58' 24.830" E	53° 38' 56.671" N
129	0° 58' 32.150" E	53° 38' 57.609" N
130	0° 58' 39.262" E	53° 38' 58.544" N
131	0° 58' 43.320" E	53° 38' 59.097" N
132	0° 58' 47.853" E	53° 38' 59.716" N
133	0° 58' 57.443" E	53° 39' 0.937" N
134	0° 59' 5.217" E	53° 39' 1.934" N
135	0° 59' 13.977" E	53° 39' 3.019" N
136	0° 59' 23.892" E	53° 39' 4.284" N
137	0° 59' 31.914" E	53° 39' 5.324" N
138	0° 59' 39.306" E	53° 39' 6.320" N
139	0° 59' 45.586" E	53° 39' 7.169" N
140	0° 59' 54.052" E	53° 39' 8.273" N
141	1° 0' 2.550" E	53° 39' 9.385" N
142	1° 0' 12.585" E	53° 39' 10.658" N
143	1° 0' 20.965" E	53° 39' 11.709" N
144	1° 0' 30.948" E	53° 39' 12.922" N
145	1° 0' 38.599" E	53° 39' 13.851" N
146	1° 0' 44.836" E	53° 39' 14.613" N
147	1° 0' 53.131" E	53° 39' 15.656" N
148	1° 1' 0.194" E	53° 39' 16.561" N
149	1° 1' 1.039" E	53° 39' 16.669" N
150	1° 1' 37.097" E	53° 39' 41.034" N
151	1° 1' 37.431" E	53° 39' 41.252" N
152	1° 1' 38.065" E	53° 39' 41.624" N
153	1° 1' 38.738" E	53° 39' 41.971" N
154	1° 1' 39.447" E	53° 39' 42.291" N
155	1° 1' 40.191" E	53° 39' 42.583" N
156	1° 1' 40.888" E	53° 39' 42.821" N
157	1° 4' 59.847" E	53° 40' 46.117" N
158	1° 6' 44.582" E	53° 41' 19.695" N
159	1° 6' 44.706" E	53° 41' 19.734" N
160	1° 6' 45.508" E	53° 41' 19.965" N
161	1° 6' 45.859" E	53° 41' 20.055" N
162	1° 10' 23.493" E	53° 42' 10.212" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
163	1° 14' 18.151" E	53° 42' 59.861" N
164	1° 14' 18.643" E	53° 42' 59.953" N
165	1° 14' 19.506" E	53° 43' 0.086" N
166	1° 14' 20.383" E	53° 43' 0.185" N
167	1° 14' 21.268" E	53° 43' 0.250" N
168	1° 14' 22.159" E	53° 43' 0.280" N
169	1° 14' 22.530" E	53° 43' 0.282" N
170	1° 15' 37.984" E	53° 43' 0.169" N
171	1° 20' 9.181" E	53° 44' 0.980" N
172	1° 25' 51.706" E	53° 49' 6.509" N
173	1° 26' 59.977" E	53° 50' 7.227" N
174	1° 26' 20.017" E	54° 0' 31.643" N
175	1° 38' 37.344" E	54° 0' 18.496" N
176	1° 40' 21.888" E	54° 0' 15.785" N
177	2° 3' 45.960" E	53° 59' 36.941" N
178	2° 6' 6.724" E	53° 57' 24.526" N
179	2° 4' 32.400" E	53° 57' 12.498" N
180	2° 5' 4.055" E	53° 56' 46.604" N
181	2° 1' 15.293" E	53° 56' 16.320" N
182	2° 2' 14.243" E	53° 55' 22.680" N
183	1° 59' 45.801" E	53° 55' 2.542" N
184	1° 59' 20.968" E	53° 55' 35.446" N
185	1° 56' 10.643" E	53° 55' 8.180" N
186	1° 55' 20.286" E	53° 55' 23.346" N
187	1° 53' 38.133" E	53° 55' 37.610" N
188	1° 52' 54.306" E	53° 55' 31.335" N
189	1° 51' 57.433" E	53° 56' 22.887" N
190	1° 47' 47.820" E	53° 55' 46.462" N
191	1° 44' 31.904" E	53° 58' 42.196" N
192	1° 41' 46.819" E	53° 58' 17.846" N
193	1° 43' 45.616" E	53° 56' 29.687" N
194	1° 41' 0.167" E	53° 56' 3.245" N
195	1° 39' 52.048" E	53° 55' 9.310" N
196	1° 38' 58.454" E	53° 50' 5.135" N
197	1° 38' 16.697" E	53° 46' 7.303" N
198	1° 37' 22.735" E	53° 46' 4.694" N
199	1° 28' 38.862" E	53° 44' 47.878" N
200	1° 28' 38.519" E	53° 44' 47.830" N
201	1° 28' 37.641" E	53° 44' 47.733" N
202	1° 28' 36.755" E	53° 44' 47.670" N
203	1° 28' 35.863" E	53° 44' 47.641" N
204	1° 28' 35.528" E	53° 44' 47.639" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
205	1° 27' 26.631" E	53° 44' 47.760" N
206	1° 25' 25.708" E	53° 44' 36.094" N
207	1° 25' 23.767" E	53° 44' 36.494" N
208	1° 25' 21.726" E	53° 44' 35.983" N
209	1° 25' 16.460" E	53° 44' 34.837" N
210	1° 25' 11.905" E	53° 44' 33.826" N
211	1° 25' 5.783" E	53° 44' 32.532" N
212	1° 25' 0.636" E	53° 44' 31.482" N
213	1° 24' 55.896" E	53° 44' 30.527" N
214	1° 24' 48.666" E	53° 44' 29.072" N
215	1° 24' 45.408" E	53° 44' 28.408" N
216	1° 24' 43.811" E	53° 44' 28.061" N
217	1° 24' 40.939" E	53° 44' 27.438" N
218	1° 24' 34.056" E	53° 44' 25.885" N
219	1° 24' 29.208" E	53° 44' 24.765" N
220	1° 24' 23.350" E	53° 44' 23.380" N
221	1° 24' 15.438" E	53° 44' 21.568" N
222	1° 24' 10.937" E	53° 44' 20.546" N
223	1° 24' 5.696" E	53° 44' 19.438" N
224	1° 23' 59.804" E	53° 44' 18.263" N
225	1° 23' 55.014" E	53° 44' 17.294" N
226	1° 23' 47.410" E	53° 44' 15.682" N
227	1° 23' 42.856" E	53° 44' 14.669" N
228	1° 23' 36.975" E	53° 44' 13.376" N
229	1° 23' 32.664" E	53° 44' 12.408" N
230	1° 23' 26.810" E	53° 44' 11.033" N
231	1° 23' 23.764" E	53° 44' 10.330" N
232	1° 23' 14.161" E	53° 44' 7.808" N
233	1° 23' 13.226" E	53° 44' 7.599" N
234	1° 23' 9.573" E	53° 44' 6.795" N
235	1° 23' 4.806" E	53° 44' 5.746" N
236	1° 22' 59.491" E	53° 44' 4.577" N
237	1° 22' 55.363" E	53° 44' 3.670" N
238	1° 22' 50.861" E	53° 44' 2.709" N
239	1° 22' 47.936" E	53° 44' 2.038" N
240	1° 22' 44.688" E	53° 44' 1.330" N
241	1° 22' 39.340" E	53° 44' 0.120" N
242	1° 22' 35.496" E	53° 43' 59.281" N
243	1° 22' 31.544" E	53° 43' 58.365" N
244	1° 22' 27.493" E	53° 43' 57.482" N
245	1° 22' 25.138" E	53° 43' 56.974" N
246	1° 22' 20.681" E	53° 43' 56.012" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
247	1° 22' 16.527" E	53° 43' 55.076" N
248	1° 22' 12.667" E	53° 43' 54.227" N
249	1° 22' 7.745" E	53° 43' 53.111" N
250	1° 22' 0.163" E	53° 43' 51.425" N
251	1° 21' 53.610" E	53° 43' 50.008" N
252	1° 21' 48.294" E	53° 43' 48.881" N
253	1° 21' 43.718" E	53° 43' 47.905" N
254	1° 21' 37.501" E	53° 43' 46.599" N
255	1° 21' 36.891" E	53° 43' 46.464" N
256	1° 21' 31.365" E	53° 43' 45.248" N
257	1° 21' 23.471" E	53° 43' 43.536" N
258	1° 21' 19.413" E	53° 43' 42.648" N
259	1° 21' 16.406" E	53° 43' 41.862" N
260	1° 21' 6.677" E	53° 43' 39.533" N
261	1° 21' 3.545" E	53° 43' 38.838" N
262	1° 20' 59.651" E	53° 43' 37.957" N
263	1° 20' 55.041" E	53° 43' 36.928" N
264	1° 20' 48.602" E	53° 43' 35.505" N
265	1° 20' 42.316" E	53° 43' 34.109" N
266	1° 20' 36.691" E	53° 43' 32.863" N
267	1° 20' 29.532" E	53° 43' 31.281" N
268	1° 20' 20.413" E	53° 43' 29.240" N
269	1° 20' 15.629" E	53° 43' 28.178" N
270	1° 20' 8.189" E	53° 43' 26.492" N
271	1° 20' 3.171" E	53° 43' 25.377" N
272	1° 19' 57.935" E	53° 43' 24.225" N
273	1° 19' 53.090" E	53° 43' 23.154" N
274	1° 19' 46.838" E	53° 43' 21.761" N
275	1° 19' 40.591" E	53° 43' 20.401" N
276	1° 19' 34.425" E	53° 43' 18.996" N
277	1° 19' 29.666" E	53° 43' 17.958" N
278	1° 19' 24.553" E	53° 43' 16.815" N
279	1° 19' 20.192" E	53° 43' 15.865" N
280	1° 19' 13.774" E	53° 43' 14.409" N
281	1° 19' 9.188" E	53° 43' 13.348" N
282	1° 18' 59.395" E	53° 43' 11.080" N
283	1° 18' 58.319" E	53° 43' 10.909" N
284	1° 18' 55.753" E	53° 43' 10.344" N
285	1° 18' 53.779" E	53° 43' 9.944" N
286	1° 18' 48.296" E	53° 43' 8.698" N
287	1° 18' 44.392" E	53° 43' 7.853" N
288	1° 18' 38.562" E	53° 43' 6.560" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
289	1° 18' 33.235" E	53° 43' 5.368" N
290	1° 18' 27.969" E	53° 43' 4.182" N
291	1° 18' 24.371" E	53° 43' 3.376" N
292	1° 18' 20.859" E	53° 43' 2.602" N
293	1° 18' 16.076" E	53° 43' 1.527" N
294	1° 18' 9.190" E	53° 43' 0.013" N
295	1° 18' 0.204" E	53° 42' 58.008" N
296	1° 17' 55.274" E	53° 42' 56.914" N
297	1° 17' 48.593" E	53° 42' 55.419" N
298	1° 17' 41.294" E	53° 42' 53.784" N
299	1° 17' 34.711" E	53° 42' 52.312" N
300	1° 17' 26.425" E	53° 42' 50.497" N
301	1° 17' 18.340" E	53° 42' 48.690" N
302	1° 17' 14.103" E	53° 42' 47.719" N
303	1° 17' 6.487" E	53° 42' 46.012" N
304	1° 17' 1.631" E	53° 42' 44.836" N
305	1° 16' 51.812" E	53° 42' 42.514" N
306	1° 16' 44.172" E	53° 42' 40.952" N
307	1° 16' 39.407" E	53° 42' 39.903" N
308	1° 16' 30.510" E	53° 42' 37.989" N
309	1° 16' 21.894" E	53° 42' 36.152" N
310	1° 16' 17.423" E	53° 42' 35.097" N
311	1° 16' 13.755" E	53° 42' 34.255" N
312	1° 16' 9.205" E	53° 42' 33.181" N
313	1° 16' 3.260" E	53° 42' 31.744" N
314	1° 15' 58.678" E	53° 42' 30.647" N
315	1° 15' 54.513" E	53° 42' 29.824" N
316	1° 15' 50.599" E	53° 42' 29.202" N
317	1° 15' 47.274" E	53° 42' 28.820" N
318	1° 15' 41.890" E	53° 42' 28.435" N
319	1° 15' 35.905" E	53° 42' 28.234" N
320	1° 15' 27.463" E	53° 42' 28.226" N
321	1° 15' 18.611" E	53° 42' 28.249" N
322	1° 15' 0.795" E	53° 42' 28.181" N
323	1° 14' 48.755" E	53° 42' 28.222" N
324	1° 14' 45.439" E	53° 42' 28.225" N
325	1° 14' 34.919" E	53° 42' 28.199" N
326	1° 14' 32.166" E	53° 42' 27.191" N
327	1° 14' 27.409" E	53° 42' 25.467" N
328	1° 14' 22.227" E	53° 42' 23.586" N
329	1° 14' 16.650" E	53° 42' 21.517" N
330	1° 14' 12.228" E	53° 42' 19.953" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
331	1° 14' 7.906" E	53° 42' 18.377" N
332	1° 14' 2.022" E	53° 42' 16.262" N
333	1° 13' 57.084" E	53° 42' 14.502" N
334	1° 13' 52.178" E	53° 42' 12.754" N
335	1° 13' 48.791" E	53° 42' 11.572" N
336	1° 13' 43.962" E	53° 42' 9.864" N
337	1° 13' 38.542" E	53° 42' 7.939" N
338	1° 13' 32.625" E	53° 42' 5.872" N
339	1° 13' 28.206" E	53° 42' 4.314" N
340	1° 13' 22.011" E	53° 42' 2.077" N
341	1° 13' 18.337" E	53° 42' 0.737" N
342	1° 13' 12.105" E	53° 41' 58.537" N
343	1° 13' 7.905" E	53° 41' 57.051" N
344	1° 13' 5.914" E	53° 41' 56.346" N
345	1° 12' 57.712" E	53° 41' 53.444" N
346	1° 12' 53.131" E	53° 41' 51.818" N
347	1° 12' 44.074" E	53° 41' 48.641" N
348	1° 12' 42.146" E	53° 41' 47.949" N
349	1° 12' 37.132" E	53° 41' 46.157" N
350	1° 12' 32.340" E	53° 41' 44.438" N
351	1° 12' 27.759" E	53° 41' 42.827" N
352	1° 12' 23.844" E	53° 41' 41.449" N
353	1° 12' 17.851" E	53° 41' 39.292" N
354	1° 12' 13.937" E	53° 41' 37.911" N
355	1° 12' 11.362" E	53° 41' 37.002" N
356	1° 12' 5.934" E	53° 41' 35.086" N
357	1° 12' 2.828" E	53° 41' 33.987" N
358	1° 11' 58.511" E	53° 41' 32.461" N
359	1° 11' 53.143" E	53° 41' 30.518" N
360	1° 11' 48.763" E	53° 41' 28.967" N
361	1° 11' 43.964" E	53° 41' 27.258" N
362	1° 11' 43.176" E	53° 41' 26.979" N
363	1° 11' 38.469" E	53° 41' 25.309" N
364	1° 11' 33.980" E	53° 41' 23.706" N
365	1° 11' 28.994" E	53° 41' 21.904" N
366	1° 11' 21.867" E	53° 41' 19.341" N
367	1° 11' 17.408" E	53° 41' 17.720" N
368	1° 11' 13.800" E	53° 41' 16.419" N
369	1° 11' 10.031" E	53° 41' 15.065" N
370	1° 11' 5.201" E	53° 41' 13.352" N
371	1° 11' 0.827" E	53° 41' 11.836" N
372	1° 10' 56.389" E	53° 41' 10.229" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
373	1° 10' 47.324" E	53° 41' 7.020" N
374	1° 10' 45.486" E	53° 41' 6.400" N
375	1° 10' 41.421" E	53° 41' 4.892" N
376	1° 10' 36.829" E	53° 41' 3.272" N
377	1° 10' 32.348" E	53° 41' 1.634" N
378	1° 10' 28.416" E	53° 41' 0.249" N
379	1° 10' 24.157" E	53° 40' 58.716" N
380	1° 10' 18.970" E	53° 40' 56.875" N
381	1° 10' 14.849" E	53° 40' 55.406" N
382	1° 10' 9.456" E	53° 40' 53.492" N
383	1° 10' 4.587" E	53° 40' 51.770" N
384	1° 9' 59.137" E	53° 40' 49.822" N
385	1° 9' 55.153" E	53° 40' 48.420" N
386	1° 9' 51.048" E	53° 40' 46.952" N
387	1° 9' 47.713" E	53° 40' 45.739" N
388	1° 9' 44.385" E	53° 40' 44.571" N
389	1° 9' 39.989" E	53° 40' 42.992" N
390	1° 9' 35.572" E	53° 40' 41.432" N
391	1° 9' 31.667" E	53° 40' 40.063" N
392	1° 9' 28.532" E	53° 40' 38.944" N
393	1° 9' 24.368" E	53° 40' 37.477" N
394	1° 9' 20.727" E	53° 40' 36.186" N
395	1° 9' 17.366" E	53° 40' 34.988" N
396	1° 9' 13.443" E	53° 40' 33.583" N
397	1° 9' 8.673" E	53° 40' 31.873" N
398	1° 9' 3.537" E	53° 40' 30.013" N
399	1° 8' 59.686" E	53° 40' 28.606" N
400	1° 8' 50.682" E	53° 40' 25.370" N
401	1° 8' 49.132" E	53° 40' 24.793" N
402	1° 8' 45.503" E	53° 40' 23.533" N
403	1° 8' 41.238" E	53° 40' 21.994" N
404	1° 8' 37.249" E	53° 40' 20.573" N
405	1° 8' 32.905" E	53° 40' 19.049" N
406	1° 8' 28.674" E	53° 40' 17.538" N
407	1° 8' 24.783" E	53° 40' 16.153" N
408	1° 8' 22.333" E	53° 40' 15.286" N
409	1° 8' 19.087" E	53° 40' 14.167" N
410	1° 8' 15.475" E	53° 40' 12.861" N
411	1° 8' 11.596" E	53° 40' 11.499" N
412	1° 8' 7.973" E	53° 40' 10.201" N
413	1° 8' 2.273" E	53° 40' 8.164" N
414	1° 7' 57.226" E	53° 40' 6.367" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
415	1° 7' 53.440" E	53° 40' 5.007" N
416	1° 7' 49.259" E	53° 40' 3.504" N
417	1° 7' 45.073" E	53° 40' 2.005" N
418	1° 7' 41.962" E	53° 40' 0.909" N
419	1° 7' 37.169" E	53° 39' 59.174" N
420	1° 7' 30.959" E	53° 39' 56.986" N
421	1° 7' 29.209" E	53° 39' 56.369" N
422	1° 7' 29.173" E	53° 39' 56.388" N
423	1° 7' 29.203" E	53° 39' 56.367" N
424	1° 7' 25.977" E	53° 39' 55.229" N
425	1° 7' 20.809" E	53° 39' 53.387" N
426	1° 7' 16.252" E	53° 39' 51.791" N
427	1° 7' 11.795" E	53° 39' 50.186" N
428	1° 7' 7.315" E	53° 39' 48.629" N
429	1° 7' 2.999" E	53° 39' 47.096" N
430	1° 6' 53.968" E	53° 39' 43.888" N
431	1° 6' 52.107" E	53° 39' 43.243" N
432	1° 6' 48.891" E	53° 39' 42.071" N
433	1° 6' 45.370" E	53° 39' 40.819" N
434	1° 6' 40.229" E	53° 39' 38.968" N
435	1° 6' 35.895" E	53° 39' 37.409" N
436	1° 6' 33.584" E	53° 39' 36.555" N
437	1° 6' 29.809" E	53° 39' 35.151" N
438	1° 6' 25.949" E	53° 39' 33.872" N
439	1° 6' 19.917" E	53° 39' 32.008" N
440	1° 6' 13.941" E	53° 39' 30.181" N
441	1° 6' 10.456" E	53° 39' 29.175" N
442	1° 6' 7.371" E	53° 39' 28.180" N
443	1° 6' 3.214" E	53° 39' 26.953" N
444	1° 5' 59.211" E	53° 39' 25.663" N
445	1° 5' 55.222" E	53° 39' 24.485" N
446	1° 5' 51.045" E	53° 39' 23.216" N
447	1° 5' 46.761" E	53° 39' 21.886" N
448	1° 5' 41.821" E	53° 39' 20.355" N
449	1° 5' 37.679" E	53° 39' 19.073" N
450	1° 5' 34.242" E	53° 39' 18.010" N
451	1° 5' 28.134" E	53° 39' 16.112" N
452	1° 5' 23.585" E	53° 39' 14.711" N
453	1° 5' 19.198" E	53° 39' 13.348" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
454	1° 5' 16.044" E	53° 39' 12.421" N
455	1° 5' 11.979" E	53° 39' 11.180" N
456	1° 5' 6.393" E	53° 39' 9.458" N
457	1° 5' 2.368" E	53° 39' 8.232" N
458	1° 4' 52.999" E	53° 39' 5.414" N
459	1° 4' 51.408" E	53° 39' 4.905" N
460	1° 4' 45.270" E	53° 39' 3.004" N
461	1° 4' 41.043" E	53° 39' 1.718" N
462	1° 4' 36.514" E	53° 39' 0.320" N
463	1° 4' 31.666" E	53° 38' 58.829" N
464	1° 4' 27.318" E	53° 38' 57.497" N
465	1° 4' 21.810" E	53° 38' 55.783" N
466	1° 4' 16.829" E	53° 38' 54.254" N
467	1° 4' 10.958" E	53° 38' 52.456" N
468	1° 4' 5.627" E	53° 38' 50.819" N
469	1° 4' 1.104" E	53° 38' 49.426" N
470	1° 3' 57.066" E	53° 38' 48.192" N
471	1° 3' 52.817" E	53° 38' 46.849" N
472	1° 3' 45.055" E	53° 38' 44.440" N
473	1° 3' 40.685" E	53° 38' 43.096" N
474	1° 3' 36.364" E	53° 38' 41.756" N
475	1° 3' 30.729" E	53° 38' 40.016" N
476	1° 3' 24.894" E	53° 38' 38.214" N
477	1° 3' 19.753" E	53° 38' 36.594" N
478	1° 3' 14.512" E	53° 38' 34.931" N
479	1° 3' 10.476" E	53° 38' 33.680" N
480	1° 3' 6.381" E	53° 38' 32.411" N
481	1° 3' 1.765" E	53° 38' 30.948" N
482	1° 2' 52.402" E	53° 38' 28.063" N
483	1° 2' 48.134" E	53° 38' 26.739" N
484	1° 2' 43.211" E	53° 38' 25.215" N
485	1° 2' 36.971" E	53° 38' 23.271" N
486	1° 2' 30.180" E	53° 38' 21.196" N
487	1° 2' 24.827" E	53° 38' 19.616" N
488	1° 2' 20.240" E	53° 38' 18.380" N
489	1° 2' 16.952" E	53° 38' 17.600" N
490	1° 2' 13.197" E	53° 38' 16.813" N
491	1° 2' 8.625" E	53° 38' 15.934" N
492	1° 2' 3.638" E	53° 38' 15.120" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
493	1° 1' 59.919" E	53° 38' 14.557" N
494	1° 1' 54.443" E	53° 38' 13.828" N
495	1° 1' 50.395" E	53° 38' 13.333" N
496	1° 1' 44.270" E	53° 38' 12.560" N
497	1° 1' 37.816" E	53° 38' 11.729" N
498	1° 1' 32.608" E	53° 38' 11.043" N
499	1° 1' 25.351" E	53° 38' 10.126" N
500	1° 1' 19.293" E	53° 38' 9.362" N
501	1° 1' 13.072" E	53° 38' 8.581" N
502	1° 1' 8.577" E	53° 38' 8.023" N
503	1° 1' 3.257" E	53° 38' 7.343" N
504	1° 0' 59.155" E	53° 38' 6.789" N
505	1° 0' 54.213" E	53° 38' 6.162" N
506	1° 0' 49.751" E	53° 38' 5.563" N
507	1° 0' 39.484" E	53° 38' 4.218" N
508	1° 0' 35.709" E	53° 38' 3.716" N
509	1° 0' 30.974" E	53° 38' 3.147" N
510	1° 0' 25.048" E	53° 38' 2.385" N
511	1° 0' 18.657" E	53° 38' 1.616" N
512	1° 0' 14.538" E	53° 38' 1.101" N
513	1° 0' 10.261" E	53° 38' 0.563" N
514	1° 0' 3.722" E	53° 37' 59.759" N
515	0° 59' 57.496" E	53° 37' 58.976" N
516	0° 59' 53.076" E	53° 37' 58.419" N
517	0° 59' 49.025" E	53° 37' 57.920" N
518	0° 59' 44.006" E	53° 37' 57.259" N
519	0° 59' 39.548" E	53° 37' 56.698" N
520	0° 59' 39.019" E	53° 37' 56.477" N
521	0° 59' 38.483" E	53° 37' 56.234" N
522	0° 59' 37.510" E	53° 37' 55.791" N
523	0° 59' 36.184" E	53° 37' 55.171" N
524	0° 59' 35.319" E	53° 37' 55.611" N
525	0° 59' 34.911" E	53° 37' 55.821" N
526	0° 59' 34.491" E	53° 37' 56.044" N
527	0° 59' 31.271" E	53° 37' 55.619" N
528	0° 59' 25.309" E	53° 37' 54.840" N
529	0° 59' 21.131" E	53° 37' 54.331" N
530	0° 59' 15.836" E	53° 37' 53.613" N
531	0° 59' 10.433" E	53° 37' 52.903" N
532	0° 59' 5.469" E	53° 37' 52.212" N
533	0° 59' 0.392" E	53° 37' 51.581" N
534	0° 58' 55.082" E	53° 37' 50.851" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
535	0° 58' 50.542" E	53° 37' 50.338" N
536	0° 58' 45.776" E	53° 37' 49.741" N
537	0° 58' 41.296" E	53° 37' 49.180" N
538	0° 58' 39.708" E	53° 37' 48.981" N
539	0° 58' 36.801" E	53° 37' 48.620" N
540	0° 58' 26.460" E	53° 37' 47.387" N
541	0° 58' 23.018" E	53° 37' 46.970" N
542	0° 58' 18.028" E	53° 37' 46.378" N
543	0° 58' 11.587" E	53° 37' 45.575" N
544	0° 58' 7.355" E	53° 37' 45.050" N
545	0° 58' 2.909" E	53° 37' 44.507" N
546	0° 57' 59.150" E	53° 37' 44.015" N
547	0° 57' 54.158" E	53° 37' 43.361" N
548	0° 57' 49.133" E	53° 37' 42.696" N
549	0° 57' 44.115" E	53° 37' 42.034" N
550	0° 57' 38.564" E	53° 37' 41.314" N
551	0° 57' 33.366" E	53° 37' 40.601" N
552	0° 57' 27.429" E	53° 37' 39.877" N
553	0° 57' 22.927" E	53° 37' 39.301" N
554	0° 57' 20.867" E	53° 37' 39.040" N
555	0° 57' 17.787" E	53° 37' 38.650" N
556	0° 57' 14.122" E	53° 37' 38.229" N
557	0° 57' 8.676" E	53° 37' 37.559" N
558	0° 57' 4.843" E	53° 37' 37.080" N
559	0° 57' 0.118" E	53° 37' 36.444" N
560	0° 56' 54.266" E	53° 37' 35.704" N
561	0° 56' 47.939" E	53° 37' 34.886" N
562	0° 56' 42.705" E	53° 37' 34.203" N
563	0° 56' 37.921" E	53° 37' 33.606" N
564	0° 56' 34.043" E	53° 37' 33.109" N
565	0° 56' 29.586" E	53° 37' 32.534" N
566	0° 56' 26.882" E	53° 37' 32.196" N
567	0° 56' 23.767" E	53° 37' 31.799" N
568	0° 56' 13.446" E	53° 37' 30.516" N
569	0° 56' 10.539" E	53° 37' 30.154" N
570	0° 56' 5.410" E	53° 37' 29.486" N
571	0° 55' 58.817" E	53° 37' 28.609" N
572	0° 55' 51.952" E	53° 37' 27.702" N
573	0° 55' 46.781" E	53° 37' 26.982" N
574	0° 55' 41.990" E	53° 37' 26.352" N
575	0° 55' 36.894" E	53° 37' 25.702" N
576	0° 55' 31.244" E	53° 37' 24.949" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
577	0° 55' 23.815" E	53° 37' 24.017" N
578	0° 55' 18.436" E	53° 37' 23.353" N
579	0° 55' 13.288" E	53° 37' 22.694" N
580	0° 55' 6.931" E	53° 37' 21.889" N
581	0° 55' 2.788" E	53° 37' 21.349" N
582	0° 54' 57.721" E	53° 37' 20.714" N
583	0° 54' 51.570" E	53° 37' 19.937" N
584	0° 54' 43.977" E	53° 37' 18.977" N
585	0° 54' 38.946" E	53° 37' 18.343" N
586	0° 54' 34.010" E	53° 37' 17.718" N
587	0° 54' 28.419" E	53° 37' 17.028" N
588	0° 54' 22.625" E	53° 37' 16.286" N
589	0° 54' 17.882" E	53° 37' 15.681" N
590	0° 54' 14.121" E	53° 37' 15.201" N
591	0° 54' 10.759" E	53° 37' 14.783" N
592	0° 54' 0.404" E	53° 37' 13.463" N
593	0° 53' 58.475" E	53° 37' 13.226" N
594	0° 53' 54.846" E	53° 37' 12.763" N
595	0° 53' 50.897" E	53° 37' 12.265" N
596	0° 53' 47.532" E	53° 37' 11.809" N
597	0° 53' 42.358" E	53° 37' 11.172" N
598	0° 53' 37.893" E	53° 37' 10.609" N
599	0° 53' 32.148" E	53° 37' 9.853" N
600	0° 53' 29.558" E	53° 37' 9.526" N
601	0° 53' 22.833" E	53° 37' 8.698" N
602	0° 53' 16.635" E	53° 37' 7.917" N
603	0° 53' 8.932" E	53° 37' 6.971" N
604	0° 53' 3.240" E	53° 37' 6.253" N
605	0° 52' 56.777" E	53° 37' 5.437" N
606	0° 52' 50.266" E	53° 37' 4.594" N
607	0° 52' 46.540" E	53° 37' 4.108" N
608	0° 52' 40.292" E	53° 37' 3.310" N
609	0° 52' 30.617" E	53° 37' 2.085" N
610	0° 52' 23.234" E	53° 37' 1.158" N
611	0° 52' 16.485" E	53° 37' 0.305" N
612	0° 52' 10.589" E	53° 36' 59.536" N
613	0° 52' 6.094" E	53° 36' 58.973" N
614	0° 52' 2.188" E	53° 36' 58.503" N
615	0° 51' 57.640" E	53° 36' 57.931" N
616	0° 51' 47.298" E	53° 36' 56.679" N
617	0° 51' 46.035" E	53° 36' 56.516" N
618	0° 51' 41.530" E	53° 36' 55.959" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
619	0° 51' 35.940" E	53° 36' 55.259" N
620	0° 51' 31.086" E	53° 36' 54.641" N
621	0° 50' 23.639" E	53° 36' 35.378" N
622	0° 48' 52.449" E	53° 36' 15.756" N
623	0° 47' 57.977" E	53° 36' 9.184" N
624	0° 47' 57.814" E	53° 36' 9.160" N
625	0° 47' 52.679" E	53° 36' 8.140" N
626	0° 47' 47.350" E	53° 36' 7.099" N
627	0° 47' 43.882" E	53° 36' 6.413" N
628	0° 47' 33.904" E	53° 36' 4.476" N
629	0° 47' 32.596" E	53° 36' 4.226" N
630	0° 47' 27.818" E	53° 36' 3.311" N
631	0° 47' 23.464" E	53° 36' 2.481" N
632	0° 47' 19.767" E	53° 36' 1.783" N
633	0° 47' 16.221" E	53° 36' 1.122" N
634	0° 47' 11.963" E	53° 36' 0.324" N
635	0° 47' 7.072" E	53° 35' 59.420" N
636	0° 47' 2.928" E	53° 35' 58.655" N
637	0° 46' 59.910" E	53° 35' 58.087" N
638	0° 46' 57.360" E	53° 35' 57.609" N
639	0° 46' 53.406" E	53° 35' 56.830" N
640	0° 46' 49.504" E	53° 35' 56.069" N
641	0° 46' 45.851" E	53° 35' 55.390" N
642	0° 46' 42.575" E	53° 35' 54.765" N
643	0° 46' 39.261" E	53° 35' 54.154" N
644	0° 46' 38.114" E	53° 35' 53.942" N
645	0° 46' 33.376" E	53° 35' 53.076" N
646	0° 46' 28.557" E	53° 35' 52.217" N
647	0° 46' 26.952" E	53° 35' 51.947" N
648	0° 46' 24.385" E	53° 35' 51.515" N
649	0° 46' 19.030" E	53° 35' 50.556" N
650	0° 46' 14.050" E	53° 35' 49.696" N
651	0° 46' 9.505" E	53° 35' 48.861" N
652	0° 46' 5.179" E	53° 35' 48.087" N
653	0° 46' 0.683" E	53° 35' 47.273" N
654	0° 45' 56.496" E	53° 35' 46.546" N
655	0° 45' 51.868" E	53° 35' 45.725" N
656	0° 45' 48.366" E	53° 35' 45.119" N
657	0° 45' 42.708" E	53° 35' 44.080" N
658	0° 45' 39.506" E	53° 35' 43.494" N
659	0° 45' 35.790" E	53° 35' 42.798" N
660	0° 45' 33.257" E	53° 35' 42.325" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
661	0° 45' 23.363" E	53° 35' 40.301" N
662	0° 45' 22.110" E	53° 35' 40.041" N
663	0° 45' 17.931" E	53° 35' 39.105" N
664	0° 45' 13.302" E	53° 35' 38.086" N
665	0° 45' 9.108" E	53° 35' 37.178" N
666	0° 45' 4.216" E	53° 35' 36.132" N
667	0° 44' 59.600" E	53° 35' 35.213" N
668	0° 44' 57.759" E	53° 35' 34.847" N
669	0° 44' 51.987" E	53° 35' 33.769" N
670	0° 44' 50.252" E	53° 35' 33.448" N
671	0° 44' 45.597" E	53° 35' 32.585" N
672	0° 44' 40.672" E	53° 35' 31.689" N
673	0° 44' 35.682" E	53° 35' 30.768" N
674	0° 44' 34.712" E	53° 35' 30.588" N
675	0° 44' 30.914" E	53° 35' 29.882" N
676	0° 44' 28.783" E	53° 35' 29.475" N
677	0° 44' 25.759" E	53° 35' 28.899" N

Point ID	Longitude WGS84 DMS	Latitude WGS84 DMS
678	0° 44' 20.895" E	53° 35' 27.996" N
679	0° 44' 16.778" E	53° 35' 27.234" N
680	0° 44' 11.461" E	53° 35' 26.243" N
681	0° 44' 4.354" E	53° 35' 24.951" N
682	0° 44' 1.027" E	53° 35' 24.350" N
683	0° 43' 57.649" E	53° 35' 23.740" N
684	0° 43' 52.779" E	53° 35' 22.806" N
685	0° 43' 47.569" E	53° 35' 21.832" N
686	0° 43' 44.265" E	53° 35' 21.183" N
687	0° 43' 43.319" E	53° 35' 20.000" N
688	0° 41' 28.175" E	53° 32' 30.869" N
689	0° 40' 55.922" E	53° 31' 50.443" N
690	0° 40' 8.364" E	53° 31' 38.299" N
691	0° 35' 21.091" E	53° 30' 55.285" N
692	0° 35' 17.891" E	53° 30' 54.804" N
693	0° 35' 6.194" E	53° 31' 22.994" N

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