

SEA BOUNDARIES

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Sea Boundaries Act 1997

TABLE OF PROVISIONS

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Sea Boundaries Act 1997

TABLE OF AMENDMENTS

The Sea Boundaries Act 1997 No 16 was certified on 13 June 1997 and commenced on 30 June 1997 (GN No 271/1997; Gaz 57/1997).

Amending Legislation	Certified	Date of Commencement
Interpretation (Consequential Amendments) Act 2011 No 18	3 November 2011	3 November 2011
Sea Boundaries (Amendment) Act 2019 No 27	28 November 2019	28 November 2019
Revised Written Laws Act 2021 No 7	1 June 2021	1 June 2021

An Act to make provision for the demarcation of the sea boundaries of the Republic, the maritime zones established by and within those boundaries, the declaration of the rights of the Republic in relation to those zones and for related purposes.

Be it enacted by the Parliament of Nauru as follows:

1 Short title and commencement

This Act may be cited as the *Sea Boundaries Act 1997* and came into effect on 30 June 1997.

2 Interpretation

In this Act:

‘the baseline of Nauru’ means the seaward low-water line of the reef surrounding the Island and, where there is an opening in the reef, a straight line across the outer edges of that opening;

[def am Act 18 of 2011 s 3 and Sch[27], opn 3 Nov 2011]

‘conserving and managing’ includes adopting and using all rules, regulations, methods and measures that:

- (a) are required to build, restore or maintain, or are useful in rebuilding, restoring or maintaining, any living marine resource or the marine environment; or
- (b) are designed to ensure that:
 - (i) a supply of food and other products may be taken, and that recreational benefits may be obtained, on a continuing basis;
 - (ii) irreversible or long-term ill effects on the living marine resources or the environment are avoided; and
 - (iii) there will be a multiplicity of options available with respect to future uses of these resources;

‘median line’ means a line every point of which is equidistant from the nearest point of:

- (a) the baseline of Nauru; and
- (b) the corresponding baseline of any other country; and

‘mile’ means an international nautical mile of 1,852 metres.

3 Internal waters

The internal waters of the Republic comprise all waters on the landward side of the baseline of Nauru.

4 Territorial sea

- (1) The territorial sea of the Republic comprises all that area of the sea within 12 miles measured outwards from the baseline of Nauru.
- (2) The sovereignty of the Republic extends over the territorial sea, the airspace over it and the seabed and subsoil beneath it, and may be exercised subject to the rules of international law.

5 Contiguous zone

- (1) The contiguous zone of the Republic is contiguous to the territorial sea and extends seawards from the outer limit of the territorial sea for a distance of 24 miles from the baseline of Nauru.
- (2) Within the contiguous zone, the Republic may exercise the control necessary to:
 - (a) prevent infringement of any customs, fiscal, immigration or sanitary laws within Nauru; and
 - (b) punish any infringement of those laws committed within Nauru.

6 Exclusive economic zone

- (1) Subject to subsections (2) and (3), the exclusive economic zone of the Republic comprises all that area of the sea having as its inner limit the outer limit of the territorial sea and has as its outer limit, a line drawn 200 miles seaward from the baseline of Nauru.
- (2) Where the median line is less than 200 miles from the baseline of Nauru, the outer limits of the exclusive economic zone extend only to the median line.
- (3) The Minister may, by order, for the purpose of implementing any international agreement or the award of any international body or otherwise, declare that the outer limits of the exclusive economic zone of the Republic or any part of the outer limits, extend to a specified line, any point of which does not exceed 200 miles from the baseline of Nauru.
- (4) Within the exclusive economic zone, the Republic has:
 - (a) sovereign rights for the purpose of exploring and exploiting, conserving and managing the natural resources, whether living or non-living, of the seabed, the subsoil under the seabed, and the waters over the seabed;
 - (b) exclusive jurisdiction over the establishment, operation and use of artificial islands, installations and structures;
 - (c) jurisdiction over marine scientific research and the protection and preservation of the marine environment as provided or conferred by international law; and
 - (d) such other rights as are conferred or recognised by international law.

7 Continental shelf

- (1) All areas of seabed, and the subsoil under the seabed, of the exclusive economic zone shall be treated, for the purposes of any law, as part of the continental shelf of the Republic.
- (2) The Republic has and may exercise sovereign and exclusive rights over the continental shelf for the purpose of:
 - (a) exploring it and exploiting its mineral and other non-living resources, and living sedentary species on or under the seabed or subsoil;
 - (b) authorising and regulating drilling on the continental shelf for all purposes; and
 - (c) such other rights as are conferred or recognised by international law.

8 Rights of other States

- (1) Subject to subsection (3), ships of all States shall have, in accordance with the rules of international law, the right of innocent passage through and over the territorial sea.

- (2) Subject to subsection (3), all States and their nationals shall enjoy in the exclusive economic zone freedoms of navigation and overflight and of the laying of submarine cables and pipelines, and all other internationally lawful uses of the sea related to those freedoms.
- (3) The rights and freedoms referred to in this Section, are subject to:
 - (a) all laws of the Republic made in accordance with the rules of international law; and
 - (b) the rules of international law.

9 Proclamation of lines

- (1) The President may, by Proclamation, declare the baseline, and other lines drawn under the provisions of this Act, for the purpose of determining the limits of the internal waters, territorial sea, contiguous zone, exclusive economic zone and the continental shelf, by means of a list of the geographical coordinates of points, specifying the geodetic datum.

[subs (1) am Act 27 of 2019 s 4, opn 28 Nov 2019]

- (2) A copy of the list referred to in subsection (1), shall be deposited with the Secretary-General of the United Nations.

10 Evidence of charts

- (1) The Minister may give a certificate stating that a specified chart of an area is the chart of that area most suited for the purpose of determining the limits of the internal waters, territorial sea, contiguous zone or exclusive economic zone of the Republic, as the case may be.
- (2) In any proceedings before a court or a person acting judicially, a certificate under subsection (1), is evidence of the matters stated in the certificate, and the chart is evidence of the matters set out in it.

11 Regulations

Where no other provision is made in or under any other written law, the Cabinet may make regulations, in accordance with the rules of international law, for all or any of the following:

- (a) the passage of ships and the designation of sea lanes and traffic separation schemes in the territorial sea;
- (b) the construction, operation, use and protection of navigational aids, cables and pipelines, artificial islands and other installations and facilities in the territorial sea and the exclusive economic zone;
- (c) the preservation of the environment and the prevention, reduction and control of pollution of the internal waters, the territorial sea and the exclusive economic zone;
- (d) the conduct of marine scientific research and hydrographic surveys in the territorial sea and exclusive economic zone;
- (e) the exploration and exploitation of the exclusive economic zone for the production of energy from waters, currents and winds, and for other economic purposes; and
- (f) any other matters that are necessary or convenient to give effect to the rights and obligations of the Republic in relation to the territorial sea, the contiguous zone, the exclusive economic zone and the continental shelf, or are necessary to give full effect to the provisions of this Act.

Sea Boundaries Proclamation 1997

TABLE OF AMENDMENTS

The Sea Boundaries Proclamation 1997 was notified and commenced on 14 August 1997 (GN No 322/1997; Gaz 68/1997).

Amending Legislation	Notified	Date of Commencement
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Sea Boundaries Proclamation 1997

WHEREAS the Republic of Nauru is a party to the United Nations Convention on the Law of the Sea;

AND WHEREAS the Republic has claimed a territorial sea, a contiguous zone and an exclusive economic zone, and undertaken the rights, duties and obligations that accompany those claims, in accordance with the provisions of that Convention;

AND WHEREAS by Section 9 of the *Sea Boundaries Act 1997* it is provided that the President may by proclamation declare the baseline and other lines drawn under the provisions of that Act for the purpose of determining the limits of the internal waters, territorial sea, contiguous zone and exclusive economic zone,

NOW THEREFORE, I, Kinza Clodumar, the President, do hereby declare:

- (a) that the geographical coordinates listed in the Schedule are the coordinates of points of the lines of delimitation of the lines and areas specified in the list; and
- (b) the geographical coordinates are expressed in terms of the World Geodetic System 1984 (WGS84), which is a geocentric reference ellipsoid having a major (equatorial) radius of 6,378,137 metres and a flattening of 1/298.257 223 563.

Given under my Hand and Seal of the Republic of Nauru this..... day of..... 1997.

KINZA CLODUMAR
THE PRESIDENT
REPUBLIC OF NAURU

SCHEDULE

BASEPOINTS OF THE BASELINE OF NAURU

	Latitude ° ' " S	Longitude ° ' " E
001	00 30 01.2	166 5619.4
002	00 30 00.9	166 5617.8
003	00 30 00.6	166 5616.0
004	00 30 00.6	166 5614.8
005	00 30 00.4	166 5612.5
006	00 30 00.6	166 5610.7
007	00 30 00.7	166 56 08.8
008	00 30 01.1	166 56 06.3
009	00 30 01.6	166 56 04.4
010	00 30 01.9	166 56 02.0
011	00 30 02.0	166 56 01.1
012	00 30 02.8	166 55 58.5

013	00 30 03.6	166 55 56.2
014	00 30 04.0	166 55 55.0
015	00 30 04.7	166 55 53.4
016	00 30 05.2	166 55 52.3
017	00 30 06.6	166 55 50.9
018	00 30 07.5	166 55 49.9
019	00 30 09.1	166 55 48.5
020	00 30 10.5	166 55 47.4
021	00 30 11.9	166 55 46.7
022	00 30 13.4	166 55 45.6
023	00 30 15.3	166 55 44.4
024	00 30 16.8	166 55 43.3
025	00 30 18.0	166 55 42.3
026	00 30 19.4	166 55 40.9
027	00 30 21.0	166 55 39.5
028	00 30 23.4	166 55 37.6
029	00 30 25.3	166 55 35.9
030	00 30 27.8	166 55 33.6
031	00 30 30.9	166 55 30.9
032	00 30 32.8	166 55 29.0
033	00 30 35.7	166 55 26.3
034	00 30 37.3	166 55 24.7
035	00 30 40.2	166 55 22.3
036	00 30 42.4	166 55 20.3
037	00 30 45.7	166 55 17.6
038	00 30 47.6	166 55 15.5
039	00 30 48.8	166 55 14.5
040	00 30 50.7	166 55 12.7
041	00 30 53.4	166 55 10.0
042	00 30 55.3	166 55 08.0
043	00 30 56.7	166 55 06.0
044	00 30 58.5	166 55 04.1
045	00 31 00.7	166 55 01.4
046	00 31 02.8	166 54 58.9
047	00 31 05.0	166 54 56.6
048	00 31 06.6	166 54 54.8
049	00 31 08.2	166 54 53.3
050	00 31 09.9	166 54 51.6
051	00 31 12.1	166 54 49.2
052	00 31 14.8	166 54 46.7
053	00 31 17.8	166 54 44.1
054	00 31 20.4	166 54 41.9
055	00 31 22.1	166 54 40.6
056	00 31 24.3	166 54 39.0
057	00 31 26.3	166 54 38.1
058	00 31 27.4	166 54 37.5

059	00 31 30.6	166 54 36.7
060	00 31 33.0	166 54 36.0
061	00 31 35.4	166 54 35.6
062	00 31 37.3	166 54 34.8
063	00 31 38.2	166 54 34.2
064	00 31 39.1	166 54 33.8
065	00 31 40.6	166 54 33.5
066	00 31 42.0	166 54 33.4
067	00 31 42.9	166 54 33.0
068	00 31 44.4	166 54 32.8
069	00 31 46.3	166 54 32.1
070	00 31 47.4	166 54 32.0
071	00 31 49.9	166 54 31.9
072	00 31 52.0	166 54 31.5
073	00 31 53.4	166 54 31.3
074	00 31 54.3	166 54 31.3
075	00 31 55.0	166 54 31.3
076	00 31 56.9	166 54 31.3
077	00 31 59.5	166 54 31.1
078	00 32 00.7	166 54 30.9
079	00 32 02.1	166 54 31.3
080	00 32 03.8	166 54 31.7
081	00 32 05.7	166 54 31.9
082	00 32 08.0	166 54 31.9
083	00 32 09.9	166 54 32.3
084	00 32 11.7	166 54 32.4
085	00 32 13.2	166 54 32.6
086	00 32 15.8	166 54 33.1
087	00 32 17.2	166 54 33.3
088	00 32 19.8	166 54 33.6
089	00 32 22.7	166 54 34.5
090	00 32 25.0	166 54 35.5
091	00 32 28.9	166 54 36.9
092	00 32 32.5	166 54 37.7
093	00 32 33.6	166 54 38.0
094	00 32 35.7	166 54 39.3
095	00 32 38.4	166 54 41.0
096	00 32 40.9	166 54 42.0
097	00 32 41.8	166 54 42.7
098	00 32 44.6	166 54 45.1
099	00 32 46.7	166 54 47.5
100	00 32 48.6	166 54 49.3
101	00 32 50.0	166 54 50.5
102	00 32 51.3	166 54 51.6
103	00 32 52.5	166 54 53.0
104	00 32 53.7	166 54 54.1

105	00 32 55.2	166 54 56.0
106	00 32 56.3	166 54 56.9
107	00 32 58.7	166 55 00.5
108	00 33 01.0	166 55 03.2
109	00 33 02.5	166 55 05.4
110	00 33 03.5	166 55 07.1
111	00 33 04.1	166 55 08.2
112	00 33 07.1	166 55 13.3
113	00 33 07.6	166 55 13.9
114	00 33 08.4	166 55 15.7
115	00 33 09.7	166 55 19.5
116	00 33 11.2	166 55 21.9
117	00 33 12.1	166 55 23.6
118	00 33 13.5	166 55 26.1
119	00 33 14.6	166 55 28.3
120	00 33 15.5	166 55 30.9
121	00 33 16.0	166 55 32.6
122	00 33 16.7	166 55 36.4
123	00 33 17.2	166 55 38.7
124	00 33 17.6	166 55 41.1
125	00 33 18.0	166 55 44.1
126	00 33 18.3	166 55 47.2
127	00 33 18.4	166 55 49.7
128	00 33 18.8	166 55 51.2
129	00 33 19.0	166 55 53.6
130	00 33 19.1	166 55 54.4
131	00 33 19.0	166 55 56.4
132	00 33 19.1	166 55 58.1
133	00 33 19.1	166 55 59.8
134	00 33 18.9	166 56 01.7
135	00 33 18.7	166 56 03.8
136	00 33 18.7	166 56 06.3
137	00 33 18.3	166 56 08.4
138	00 33 17.8	166 56 10.5
139	00 33 16.5	166 56 13.3
140	00 33 16.1	166 56 14.7
141	00 33 15.4	166 56 17.1
142	00 33 14.9	166 56 18.8
143	00 33 13.6	166 56 21.5
144	00 33 12.6	166 56 23.6
145	00 33 12.0	166 56 24.9
146	00 33 10.9	166 56 26.9
147	00 33 09.7	166 56 28.2
148	00 33 08.4	166 56 29.8
149	00 33 07.6	166 56 30.6
150	00 33 05.7	166 56 32.8

151	00 33 03.8	166 56 35.1
152	00 33 02.4	166 56 37.1
153	00 33 01.1	166 56 39.8
154	00 32 59.4	166 56 42.4
155	00 32 58.3	166 56 44.5
156	00 32 57.0	166 56 46.8
157	00 32 55.8	166 56 49.2
158	00 32 54.8	166 56 50.8
159	00 32 53.6	166 56 53.0
160	00 32 51.8	166 56 55.8
161	00 32 50.6	166 56 57.5
162	00 32 48.4	166 57 00.6
163	00 32 47.5	166 57 02.0
164	00 32 45.5	166 57 03.7
165	00 32 43.3	166 57 05.5
166	00 32 41.5	166 57 06.2
167	00 32 39.5	166 57 07.0
168	00 32 37.6	166 57 07.1
169	00 32 35.7	166 57 07.1
170	00 32 32.7	166 57 07.0
171	00 32 30.6	166 57 06.5
172	00 32 28.0	166 57 05.9
173	00 32 25.6	166 57 05.7
174	00 32 23.1	166 57 05.5
175	00 32 20.9	166 57 05.1
176	00 32 18.8	166 57 04.7
177	00 32 14.6	166 57 04.5
178	00 32 12.5	166 57 04.7
179	00 32 10.7	166 57 05.0
180	00 32 08.0	166 57 05.3
181	00 32 02.6	166 57 06.9
182	00 31 57.9	166 57 08.3
183	00 31 52.5	166 57 10.0
184	00 31 47.9	166 57 11.6
185	00 31 44.5	166 57 13.0
186	00 31 41.6	166 57 14.6
187	00 31 37.7	166 57 16.6
188	00 31 34.6	166 57 18.5
189	00 31 30.6	166 57 22.3
190	00 31 28.7	166 57 24.9
191	00 31 26.8	166 57 26.5
192	00 31 24.1	166 57 28.8
193	00 31 22.0	166 57 31.1
194	00 31 19.4	166 57 33.5
195	00 31 17.2	166 57 34.9
196	00 31 14.6	166 57 36.0

197	00 31 11.4	166 57 36.3
198	00 31 07.5	166 57 36.4
199	00 31 03.3	166 57 35.7
200	00 30 59.0	166 57 35.0
201	00 30 54.6	166 57 33.6
202	00 30 49.6	166 57 32.4
203	00 30 45.1	166 57 30.9
204	00 30 40.4	166 57 29.3
205	00 30 36.5	166 57 27.5
206	00 30 34.2	166 57 25.9
207	00 30 30.2	166 57 23.0
208	00 30 28.1	166 57 21.7
209	00 30 26.3	166 57 20.0
210	00 30 24.6	166 57 18.4
211	00 30 22.8	166 57 16.3
212	00 30 21.0	166 57 14.3
213	00 30 18.5	166 57 11.5
214	00 30 17.2	166 57 09.7
215	00 30 15.6	166 57 07.0
216	00 30 14.5	166 57 05.3
217	00 30 13.3	166 57 03.3
218	00 30 11.7	166 57 00.7
219	00 30 10.9	166 56 59.2
220	00 30 09.7	166 56 55.7
221	00 30 08.5	166 56 52.3
222	00 30 07.7	166 56 50.1
223	00 30 06.6	166 56 48.2
224	00 30 06.0	166 56 46.2
225	00 30 05.5	166 56 44.4
226	00 30 05.2	166 56 41.7
227	00 30 04.7	166 56 40.0
228	00 30 04.4	166 56 37.8
229	00 30 04.3	166 56 35.7
230	00 30 04.2	166 56 34.0
231	00 30 04.2	166 56 31.7
232	00 30 04.1	166 56 29.6
233	00 30 03.8	166 56 27.1
234	00 30 03.1	166 56 24.4
235	00 30 03.1	166 56 24.5
236	00 30 02.0	166 56 21.5

*Note: Not all points are relevant for the determination of each of the offshore zones.
There
are several redundant points in each case.*

**12 NAUTICAL MILE ARC INTERSECTIONS
COORDINATES OF THE 12 NAUTICAL MILES**

Pt	VERTICES		BASE POINTS:			
	<u>Latitude</u> ° ' " S	<u>Longitude</u> ° ' " E	<u>Latitude</u> ° ' " S	<u>Longitude</u> ° ' " E	<u>Latitude</u> ° ' " S	<u>Longitude</u> ° ' " E
01	00 18 04.5	166 57 58.5	00 30 00.9	166 56 17.8	00 30 00.6	166 56 16.0
02	00 17 58.9	166 57 07.5	00 30 00.6	166 56 16.0	00 30 00.4	166 56 12.5
03	00 17 59.7	166 55 08.1	00 30 00.4	166 56 12.5	00 30 00.7	166 56 08.8
04	00 18 05.6	166 54 19.0	00 30 00.7	166 56 08.8	00 30 01.1	166 56 06.3
05	00 18 10.0	166 53 53.3	00 30 01.1	166 56 06.3	00 30 02.0	166 56 01.1
06	00 18 31.1	166 52 27.7	00 30 02.0	166 56 01.1	00 30 02.8	166 55 58.5
07	00 18 31.1	166 52 27.7	00 30 02.8	166 55 58.5	00 30 03.6	166 55 56.2
08	00 18 45.3	166 51 45.8	00 30 03.6	166 55 56.2	00 30 04.0	166 55 55.0
09	00 19 04.5	166 50 59.3	00 30 04.0	166 55 55.0	00 30 05.2	166 55 52.3
10	00 21 13.7	166 47 44.7	00 30 05.2	166 55 52.3	00 30 06.6	166 55 50.9
11	00 21 22.3	166 47 35.5	00 30 06.6	166 55 50.9	00 30 07.5	166 55 49.9
12	00 22 12.8	166 46 47.5	00 30 07.5	166 55 49.9	00 30 09.1	166 55 48.5
13	00 22 23.4	166 46 38.4	00 30 09.1	166 55 48.5	00 31 06.6	166 54 54.8
14	00 22 28.7	166 46 33.0	00 31 06.6	166 54 54.8	00 31 12.1	166 54 49.2
15	00 23 04.2	166 45 58.5	00 31 12.1	166 54 49.2	00 31 14.8	166 54 46.7
16	00 23 12.5	166 45 51.0	00 31 14.8	166 54 46.7	00 31 17.8	166 54 44.1
17	00 23 29.1	166 45 36.5	00 31 17.8	166 54 44.1	00 31 20.4	166 54 41.9
18	00 24 12.3	166 45 02.5	00 31 20.4	166 54 41.9	00 31 24.3	166 54 39.0
19	00 26 09.3	166 43 52.0	00 31 24.3	166 54 39.0	00 31 27.4	166 54 37.5
20	00 27 54.7	166 43 10.6	00 31 27.4	166 54 37.5	00 31 39.1	166 54 33.8
21	00 28 38.2	166 42 57.9	00 31 39.1	166 54 33.8	00 31 40.6	166 54 33.5
22	00 28 58.8	166 42 52.9	00 31 40.6	166 54 33.5	00 31 46.3	166 54 32.1
23	00 29 51.8	166 42 42.5	00 31 46.3	166 54 32.1	00 31 47.4	166 54 32.0
24	00 30 28.8	166 42 37.5	00 31 47.4	166 54 32.0	00 31 53.4	166 54 31.3
25	00 31 18.3	166 42 33.4	00 31 53.4	166 54 31.3	00 32 00.7	166 54 30.9
26	00 33 43.7	166 42 39.5	00 32 00.7	166 54 30.9	00 32 08.0	166 54 31.9
27	00 33 53.7	166 42 40.9	00 32 08.0	166 54 31.9	00 32 11.7	166 54 32.4
28	00 33 56.7	166 42 41.3	00 32 11.7	166 54 32.4	00 32 13.2	166 54 32.6
29	00 33 57.6	166 42 41.4	00 32 13.2	166 54 32.6	00 32 19.8	166 54 33.6
30	00 35 57.2	166 43 08.1	00 32 19.8	166 54 33.6	00 32 22.7	166 54 34.5
31	00 36 10.9	166 43 12.4	00 32 22.7	166 54 34.5	00 32 33.6	166 54 38.0
32	00 38 30.4	166 44 12.7	00 32 33.6	166 54 38.0	00 32 40.9	166 54 42.0
33	00 40 00.7	166 45 11.3	00 32 40.9	166 54 42.0	00 32 41.8	166 54 42.7
34	00 40 40.4	166 45 43.7	00 32 41.8	166 54 42.7	00 32 44.6	166 54 45.1
35	00 41 10.0	166 46 10.8	00 32 44.6	166 54 45.1	00 32 51.3	166 54 51.6
36	00 41 38.1	166 46 38.9	00 32 51.3	166 54 51.6	00 32 53.7	166 54 54.1
37	00 41 45.9	166 46 47.2	00 32 53.7	166 54 54.1	00 32 56.3	166 54 56.9
38	00 42 41.3	166 47 53.9	00 32 56.3	166 54 56.9	00 33 01.0	166 55 03.2
39	00 42 59.9	166 48 19.8	00 33 01.0	166 55 03.2	00 33 02.5	166 55 05.4
40	00 43 26.9	166 49 02.2	00 33 02.5	166 55 05.4	00 33 03.5	166 55 07.1
41	00 43 28.0	166 49 04.2	00 33 03.5	166 55 07.1	00 33 07.6	166 55 13.9

42	00 44 01.3	166 50 05.8	00 33 07.6	166 55 13.9	00 33 08.4	166 55 15.7
43	00 44 02.0	166 50 07.4	00 33 08.4	166 55 15.7	00 33 14.6	166 55 28.3
44	00 44 38.9	166 51 34.8	00 33 14.6	166 55 28.3	00 33 15.5	166 55 30.9
45	00 44 55.6	166 52 29.2	00 33 15.5	166 55 30.9	00 33 16.0	166 55 32.6
46	00 45 05.2	166 53 10.3	00 33 16.0	166 55 32.6	00 33 16.7	166 55 36.4
47	00 45 08.7	166 53 28.5	00 33 16.7	166 55 36.4	00 33 17.6	166 55 41.1
48	00 45 16.2	166 54 17.0	00 33 17.6	166 55 41.1	00 33 18.0	166 55 44.1
49	00 45 17.5	166 54 28.7	00 33 18.0	166 55 44.1	00 33 18.8	166 55 51.2
50	00 45 18.1	166 54 33.4	00 33 18.8	166 55 51.2	00 33 19.0	166 55 53.6
51	00 45 22.3	166 55 32.0	00 33 19.0	166 55 53.6	00 33 19.1	166 55 54.4
52	00 45 22.6	166 55 52.1	00 33 19.1	166 55 54.4	00 33 19.1	166 55 58.1
53	00 45 22.6	166 55 52.7	00 33 19.1	166 55 58.1	00 33 19.1	166 55 59.8
54	00 45 21.3	166 56 42.9	00 33 19.1	166 55 59.8	00 33 18.7	166 56 06.3
55	00 45 07.3	166 58 32.0	00 33 18.7	166 56 06.3	00 33 18.3	166 56 08.4
56	00 45 00.7	166 59 00.7	00 33 18.3	166 56 08.4	00 33 17.8	166 56 10.5
57	00 44 39.9	167 00 10.3	00 33 17.8	166 56 10.5	00 33 14.9	166 56 18.8
58	00 44 09.3	167 01 25.5	00 33 14.9	166 56 18.8	00 33 13.6	166 56 21.5
59	00 44 08.3	167 01 27.4	00 33 13.6	166 56 21.5	00 33 12.0	166 56 24.9
60	00 43 44.1	167 02 14.6	00 33 12.0	166 56 24.9	00 33 10.9	166 56 26.9
61	00 43 06.2	167 03 15.4	00 33 10.9	166 56 26.9	00 32 51.8	166 56 55.8
62	00 42 42.9	167 03 50.3	00 32 51.8	166 56 55.8	00 32 47.5	166 57 02.0
63	00 40 47.3	167 06 00.0	00 32 47.5	166 57 02.0	00 32 45.5	166 57 03.7
64	00 40 17.2	167 06 25.2	00 32 45.5	166 57 03.7	00 32 43.3	166 57 05.5
65	00 37 34.1	167 08 03.6	00 32 43.3	166 57 05.5	00 32 41.5	166 57 06.2
66	00 37 10.6	167 08 13.5	00 32 41.5	166 57 06.2	00 32 39.5	166 57 07.0
67	00 35 51.5	167 08 40.0	00 32 39.5	166 57 07.0	00 31 17.2	166 57 34.9
68	00 35 49.6	167 08 40.8	00 31 17.2	166 57 34.9	00 31 14.6	166 57 36.0
69	00 32 31.9	167 09 30.6	00 31 14.6	166 57 36.0	00 31 11.4	166 57 36.3
70	00 31 27.5	167 09 34.9	00 31 11.4	166 57 36.3	00 31 07.5	166 57 36.4
71	00 28 59.2	167 09 23.8	00 31 07.5	166 57 36.4	00 30 59.0	166 57 35.0
72	00 27 45.8	167 09 07.6	00 30 59.0	166 57 35.0	00 30 49.6	166 57 32.4
73	00 26 53.5	167 08 51.8	00 30 49.6	166 57 32.4	00 30 45.1	166 57 30.9
74	00 26 42.5	167 08 48.1	00 30 45.1	166 57 30.9	00 30 40.4	166 57 29.3
75	00 25 32.6	167 08 19.7	00 30 40.4	166 57 29.3	00 30 36.5	166 57 27.5
76	00 23 58.0	167 07 27.4	00 30 36.5	166 57 27.5	00 30 34.2	166 57 25.9
77	00 23 30.7	167 07 08.7	00 30 34.2	166 57 25.9	00 30 28.1	166 57 21.7
78	00 22 17.0	167 06 09.4	00 30 28.1	166 57 21.7	00 30 26.3	166 57 20.0
79	00 22 01.1	167 05 54.5	00 30 26.3	166 57 20.0	00 30 24.6	166 57 18.4
80	00 21 29.7	167 05 22.4	00 30 24.6	166 57 18.4	00 30 22.8	166 57 16.3
81	00 21 18.8	167 05 10.3	00 30 22.8	166 57 16.3	00 30 21.0	166 57 14.3
82	00 21 06.5	167 04 56.1	00 30 21.0	166 57 14.3	00 30 18.5	166 57 11.5
83	00 20 41.0	167 04 24.4	00 30 18.5	166 57 11.5	00 30 17.2	166 57 09.7
84	00 20 03.1	167 03 29.8	00 30 17.2	166 57 09.7	00 30 14.5	166 57 05.3
85	00 19 49.3	167 03 07.2	00 30 14.5	166 57 05.3	00 30 11.7	166 57 00.7
86	00 19 38.0	167 02 47.6	00 30 11.7	166 57 00.7	00 30 10.9	166 56 59.2
87	00 18 53.8	167 01 12.8	00 30 10.9	166 56 59.2	00 30 06.6	166 56 48.2

88	00 18 28.7	166 59 57.8	00 30 06.6	166 56 48.2	00 30 06.0	166 56 46.2
89	00 18 26.3	166 59 49.1	00 30 06.0	166 56 46.2	00 30 05.5	166 56 44.4
90	00 18 13.3	166 58 50.9	00 30 05.5	166 56 44.4	00 30 04.7	166 56 40.0
91	00 18 09.8	166 58 30.8	00 30 04.7	166 56 40.0	00 30 00.9	166 56 17.8

**12 NAUTICAL MILE LIMIT ARC INTERSECTIONS
AND INTERMEDIATE POINTS**

Pt	Latitude ° ‘” S	Longitude ° ‘” E
001	00 18 04.5	166 57 58.5
i	00 18 01.3	166 57 33.1
002	00 17 58.9	166 57 07.5
i	00 17 57.0	166 56 27.7
i	00 17 57.2	166 55 47.9
003	00 17 59.7	166 55 08.1
i	00 18 02.3	166 54 43.5
004	00 18 05.6	166 54 19.0
i	00 18 07.7	166 54 06.1
005	00 18 10.0	166 53 53.3
i	00 18 15.9	166 53 24.5
i	00 18 22.9	166 52 56.0
006	00 18 31.1	166 52 27.7
i	00 18 31.1	166 52 27.7
007	00 18 31.1	166 52 27.7
i	00 18 37.9	166 52 06.7
008	00 18 45.3	166 51 45.8
i	00 18 54.5	166 51 22.4
009	00 19 04.5	166 50 59.3
i	00 19 25.1	166 50 17.2
i	00 19 48.4	166 49 36.5
i	00 20 14.4	166 48 57.4
i	00 20 42.8	166 48 20.1
010	00 21 13.7	166 47 44.7
i	00 21 17.9	166 47 40.1
011	00 21 22.3	166 47 35.5
i	00 21 38.6	166 47 19.0
i	00 21 55.4	166 47 03.0
012	00 22 12.8	166 46 47.5
i	00 22 18.1	166 46 42.9
013	00 22 23.4	166 46 38.4
i	00 22 26.0	166 46 35.7
014	00 22 28.7	166 46 333.0
i	00 22 46.2	166 46 15.4
015	00 23 04.2	166 45 58.5
i	00 23 08.3	166 45 54.7
016	00 23 12.5	166 45 51.0

i	00 23 20.8	166 45 43.7
017	00 23 29.1	166 45 36.5
i	00 23 50.4	166 45 19.1
018	00 24 12.3	166 45 02.5
i	00 24 49.7	166 44 36.5
i	00 25 28.8	166 44 13.0
019	00 26 09.7	166 43 52.0
i	00 26 43.7	166 43 36.4
i	00 27 18.8	166 43 22.5
020	00 27 54.7	166 43 10.6
i	00 28 16.3	166 43 03.9
021	00 28 38.2	166 42 57.9
i	00 28 48.5	166 42 55.3
022	00 28 58.8	166 42 52.9
i	00 29 25.2	166 42 47.2
023	00 29 51.8	166 42 42.5
i	00 30 10.2	166 42 39.7
024	00 30 28.8	166 42 37.5
i	00 30 53.5	166 42 35.0
025	00 31 18.3	166 42 33.4
i	00 32 06.9	166 42 32.2
i	00 32 55.4	166 42 34.2
026	00 33 43.7	166 42 39.5
i	00 33 48.7	166 42 40.1
027	00 33 53.7	166 42 40.9
i	00 33 55.2	166 42 41.1
028	00 33 56.7	166 42 41.3
i	00 33 57.1	166 42 41.4
029	00 33 57.6	166 42 41.4
i	00 34 38.0	166 42 48.1
i	00 35 17.9	166 42 56.9
030	00 35 57.2	166 43 08.1
i	00 36 04.1	166 43 10.2
031	00 36 10.9	166 43 12.4
i	00 36 47.0	166 43 24.7
i	00 37 22.3	166 43 38.9
i	00 37 56.8	166 43 54.9
032	00 38 30.4	166 44 12.7
i	00 39 01.5	166 44 30.7
i	00 39 31.6	166 44 50.3
033	00 40 00.7	166 45 11.3
i	00 40 20.8	166 45 27.1
034	00 40 40.4	166 45 43.7
i	00 40 55.4	166 45 57.1
035	00 41 10.0	166 46 10.8
i	00 41 24.2	166 46 24.7

036	00 41 38.1	166 46 38.9
i	00 41 42.1	166 46 43.0
037	00 41 45.9	166 46 47.2
i	00 42 14.6	166 47 19.7
038	00 42 41.3	166 47 53.9
i	00 42 50.7	166 48 06.7
039	00 42 59.9	166 48 19.8
i	00 43 13.7	166 48 40.8
040	00 43 26.9	166 49 02.2
i	00 43 27.5	166 49 03.2
041	00 43 28.0	166 49 04.2
i	00 43 45.4	166 49 34.6
042	00 44 01.3	166 50 05.8
i	00 44 01.7	166 50 06.6
043	00 44 02.0	166 50 07.4
i	00 44 15.6	166 50 36.0
i	00 44 27.9	166 51 05.1
044	00 44 38.9	166 51 34.8
i	00 44 47.8	166 52 01.8
045	00 44 55.6	166 52 29.2
i	00 45 00.7	166 52 49.7
046	00 45 05.2	166 53 10.3
i	00 45 07.0	166 53 19.4
047	00 45 08.7	166 53 28.5
i	00 45 12.9	166 53 52.7
048	00 45 16.2	166 54 17.0
i	00 45 16.9	166 54 22.9
049	00 45 17.5	166 54 28.7
i	00 45 17.8	166 54 31.1
050	00 45 18.1	166 54 33.4
i	00 45 20.8	166 55 02.7
051	00 45 22.3	166 55 32.0
i	00 45 22.5	166 55 42.0
052	00 45 22.6	166 55 52.1
i	00 45 22.6	166 55 52.4
053	00 45 22.6	166 55 52.7
i	00 45 22.4	166 56 17.8
054	00 45 21.3	166 56 42.9
i	00 45 18.5	166 57 19.5
i	00 45 13.8	166 57 55.9
055	00 45 07.3	166 58 32.0
i	00 45 04.1	166 58 46.4
056	00 45 00.7	166 59 00.7
i	00 44 51.2	166 59 35.8
057	00 44 39.9	167 00 10.3
i	00 44 25.6	167 00 48.3

058	00 44 09.3	167 01 25.5
i	00 44 08.8	167 01 26.5
059	00 44 08.3	167 01 27.4
i	00 43 56.7	167 01 51.3
060	00 43 44.1	167 02 14.6
i	00 43 25.9	167 02 45.5
061	00 43 06.2	167 03 15.4
i	00 42 54.8	167 03 33.0
062	00 42 42.9	167 03 50.3
i	00 42 17.0	167 04 25.3
i	00 41 49.0	167 04 58.6
i	00 41 19.1	167 05 30.2
063	00 40 47.3	167 06 00.0
i	00 40 32.4	167 06 12.8
064	00 40 17.2	167 06 25.2
i	00 39 39.0	167 06 53.8
i	00 38 58.9	167 07 19.8
i	00 38 17.3	167 07 43.1
065	00 37 34.1	167 08 03.6
i	00 37 22.4	167 08 08.6
066	00 37 10.6	167 08 13.5
i	00 36 31.4	167 08 27.9
067	00 35 51.5	167 08 40.0
i	00 35 50.6	167 08 40.4
068	00 35 49.6	167 08 40.8
i	00 35 01.6	167 08 58.4
i	00 34 12.5	167 09 12.7
i	00 33 22.5	167 09 23.4
069	00 32 31.9	167 09 30.6
i	00 31 59.8	167 09 33.5
070	00 31 27.5	167 09 34.9
i	00 30 37.9	167 09 34.6
i	00 29 48.4	167 09 30.9
071	00 28 59.2	167 09 23.8
i	00 28 22.3	167 09 16.6
072	00 27 45.8	167 09 07.6
i	00 27 19.5	167 09 00.2
073	00 26 53.5	167 08 51.8
i	00 26 48.0	167 08 50.0
074	00 26 42.5	167 08 48.1
i	00 26 07.2	167 08 34.8
075	00 25 32.6	167 08 19.7
i	00 25 00.2	167 08 03.8
i	00 24 28.6	167 07 46.4
076	00 23 58.0	167 07 27.4
i	00 23 44.2	167 07 18.2

077	00 23 30.7	167 07 08.7
i	00 23 05.3	167 06 50.0
i	00 22 40.7	167 06 30.2
078	00 22 17.0	167 06 09.4
i	00 22 09.0	167 06 02.0
079	00 22 01.1	167 05 54.5
i	00 21 45.2	167 05 38.7
080	00 21 29.7	167 05 22.4
i	00 21 24.2	167 05 16.4
081	00 21 18.8	167 05 10.3
i	00 21 12.6	167 05 03.2
082	00 21 06.5	167 04 56.1
i	00 20 53.5	167 04 40.4
083	00 20 41.0	167 04 24.4
i	00 20 21.4	167 03 57.5
084	00 20 03.1	167 03 29.8
i	00 19 56.1	167 03 18.6
085	00 19 49.3	167 03 07.2
i	00 19 43.6	167 02 57.5
086	00 19 38.0	167 02 47.6
i	00 19 21.8	167 02 16.7
i	00 19 07.0	167 01 45.1
087	00 18 53.8	167 01 12.8
i	00 18 40.2	167 00 35.6
088	00 18 28.7	166 59 57.8
i	00 18 27.5	166 59 53.4
089	00 18 26.3	166 59 49.1
i	00 18 19.5	166 59 20.1
090	00 18 13.3	166 58 50.9
i	00 18 11.5	166 58 40.9
091	00 18 09.8	166 58 30.8
i	00 18 07.0	166 58 14.7
i	00 18 04.5	166 57 58.5

24 NAUTICAL MILE ARC INTERSECTIONS AND BASE POINTS

	Arc Intersections		Basepoints			
	Latitude ° ‘” S	Longitude ° ‘” E	Latitude ° ‘” S	Longitude ° ‘” E	Latitude ° ‘” S	Longitude ° ‘” E
01	00 06 08.2	166 59 40.0	00 30 00.9	166 56 17.8	00 30 00.6	166 56 16.0
02	00 05 57.4	166 58 00.1	00 30 00.7	166 56 16.0	00 30 00.4	166 56 12.5
03	00 05 58.9	166 54 05.6	00 30 00.4	166 56 12.5	00 30 00.7	166 56 08.8
04	00 06 10.4	166 52 30.4	00 30 00.7	166 56 08.8	00 30 01.1	166 56 06.3
05	00 06 18.5	166 51 42.9	00 30 01.1	166 56 06.3	00 30 02.0	166 56 01.1
06	00 06 59.4	166 48 56.8	00 30 02.0	166 56 01.1	00 30 03.6	166 55 56.2
07	00 07 26.9	166 47 36.1	00 30 03.6	166 55 56.2	00 30 04.0	166 55 55.0
08	00 08 04.4	166 46 05.0	00 30 04.0	166 55 55.0	00 30 05.2	166 55 52.3

09	00 12 21.4	166 39 37.8	00 30 05.2	166 55 52.3	00 30 06.6	166 55 50.9
10	00 12 37.5	166 39 20.7	00 30 06.6	166 55 50.9	00 30 07.5	166 55 49.9
11	00 14 06.2	166 37 55.5	00 30 07.5	166 55 49.9	00 31 12.1	166 54 49.2
12	00 14 54.9	166 37 09.0	00 31 12.1	166 54 49.2	00 31 14.8	166 54 46.7
13	00 15 08.7	166 36 56.6	00 31 14.8	166 54 46.7	00 31 17.8	166 54 44.1
14	00 15 39.1	166 36 30.0	00 31 17.8	166 54 44.1	00 31 20.4	166 54 41.9
15	00 17 02.2	166 35 24.5	00 31 20.4	166 54 41.9	00 31 24.3	166 54 39.0
16	00 20 52.7	166 33 05.7	00 31 24.3	166 54 39.0	00 31 27.4	166 54 37.5
17	00 24 16.0	166 31 45.4	00 31 27.4	166 54 37.5	00 31 39.1	166 54 33.8
18	00 25 36.6	166 31 22.2	00 31 39.1	166 54 33.8	00 31 40.6	166 54 33.5
19	00 26 14.1	166 31 13.0	00 31 40.6	166 54 33.5	00 31 46.3	166 54 32.1
20	00 27 56.7	166 30 52.9	00 31 46.3	166 54 32.1	00 31 47.4	166 54 32.0
21	00 29 07.1	166 30 43.3	00 31 47.4	166 54 32.0	00 31 53.4	166 54 31.3
22	00 30 39.6	166 30 35.7	00 31 53.4	166 54 31.3	00 32 00.7	166 54 30.9
23	00 35 23.0	166 30 47.5	00 32 00.7	166 54 30.9	00 32 08.0	166 54 31.9
24	00 35 37.4	166 30 49.5	00 32 08.0	166 54 31.9	00 32 11.7	166 54 32.4
25	00 35 39.1	166 30 49.8	00 32 11.7	166 54 32.4	00 32 19.8	166 54 33.6
26	00 39 33.3	166 31 42.1	00 32 19.8	166 54 33.6	00 32 22.7	166 54 34.5
27	00 39 53.7	166 31 48.6	00 32 22.7	166 54 34.5	00 32 33.6	166 54 38.0
28	00 44 23.6	166 33 45.4	00 32 33.6	166 54 38.0	00 32 40.9	166 54 42.0
29	00 47 19.9	166 35 40.1	00 32 40.9	166 54 42.0	00 32 41.8	166 54 42.7
30	00 48 37.7	166 36 43.4	00 32 41.8	166 54 42.7	00 32 44.6	166 54 45.1
31	00 49 32.0	166 37 33.2	00 32 44.6	166 54 45.1	00 32 51.3	166 54 51.6
32	00 50 23.7	166 38 24.9	00 32 51.3	166 54 51.6	00 32 53.7	166 54 54.1
33	00 50 36.8	166 38 38.8	00 32 53.7	166 54 54.1	00 32 56.3	166 54 56.9
34	00 52 23.9	166 40 47.6	00 32 56.3	166 54 56.9	00 33 01.0	166 55 03.2
35	00 52 58.0	166 41 35.3	00 33 01.0	166 55 03.2	00 33 02.5	166 55 05.4
36	00 53 50.6	166 42 57.9	00 33 02.5	166 55 05.4	00 33 07.6	166 55 13.9
37	00 54 52.8	166 44 53.2	00 33 07.6	166 55 13.9	00 33 14.6	166 55 28.3
38	00 56 02.7	166 47 39.9	00 33 14.6	166 55 28.3	00 33 15.5	166 55 30.9
39	00 56 35.4	166 49 26.6	00 33 15.5	166 55 30.9	00 33 16.0	166 55 32.6
40	00 56 54.0	166 50 46.0	00 33 16.0	166 55 32.6	00 33 16.7	166 55 36.4
41	00 57 00.3	166 51 18.2	00 33 16.7	166 55 36.4	00 33 17.6	166 55 41.1
42	00 57 14.6	166 52 51.4	00 33 17.6	166 55 41.1	00 33 18.0	166 55 44.1
43	00 57 16.7	166 53 09.8	00 33 18.0	166 55 44.1	00 33 18.8	166 55 51.2
44	00 57 17.2	166 53 14.4	00 33 18.8	166 55 51.2	00 33 19.0	166 55 53.6
45	00 57 25.5	166 55 10.0	00 33 19.0	166 55 53.6	00 33 19.1	166 55 54.4
46	00 57 26.1	166 55 47.5	00 33 19.1	166 55 54.4	00 33 19.1	166 55 59.8
47	00 57 23.8	166 57 22.7	00 33 19.1	166 55 59.8	00 33 18.7	166 56 06.3
48	00 56 56.0	167 00 56.7	00 33 18.7	166 56 06.33	00 33 18.3	166 56 08.4
49	00 56 43.4	167 01 52.1	00 33 18.3	166 56 08.4	00 33 17.8	166 56 10.5
50	00 56 03.5	167 04 05.9	00 33 17.8	166 56 10.5	00 33 14.9	166 56 18.8
51	00 55 04.3	167 06 30.8	00 33 14.9	166 56 18.8	00 33 13.6	166 56 21.5
52	00 55 03.9	167 06 31.7	00 33 13.6	166 56 21.5	00 33 12.0	166 56 24.9
53	00 54 16.8	167 08 03.4	00 33 12.0	166 56 24.9	00 33 10.9	166 56 26.9
54	00 53 11.3	167 09 49.8	00 33 10.9	166 56 26.9	00 32 51.8	166 56 55.8

55	00 52 36.2	167 10 41.8	00 32 51.8	166 56 55.8	00 32 47.5	166 57 02.0
56	00 48 48.1	167 14 57.1	00 32 47.5	166 57 02.0	00 32 45.5	166 57 03.7
57	00 47 50.0	167 15 45.8	00 32 45.5	166 57 03.7	00 32 43.3	166 57 05.5
58	00 42 25.8	167 19 01.4	00 32 43.3	166 57 05.5	00 32 41.5	166 57 06.2
59	00 41 40.6	167 19 20.3	00 32 41.5	166 57 06.2	00 32 39.5	166 57 07.0
60	00 39 46.6	167 20 00.5	00 32 39.5	166 57 07.0	00 31 14.6	166 57 36.0
61	00 33 50.8	167 21 25.1	00 31 14.6	166 57 36.0	00 31 11.4	166 57 36.3
62	00 31 45.6	167 21 33.4	00 31 11.4	166 57 36.3	00 31 07.5	166 57 36.4
63	00 26 55.2	167 21 11.9	00 31 07.5	166 57 36.4	00 30 59.0	166 57 35.0
64	00 24 37.2	167 20 41.5	00 30 59.0	166 57 35.0	00 30 49.6	166 57 32.4
65	00 22 59.7	167 20 12.0	00 30 49.6	166 57 32.4	00 30 45.1	166 57 30.9
66	00 22 42.3	167 20 06.0	00 30 45.1	166 57 30.9	00 30 40.4	166 57 29.3
67	00 20 26.7	167 19 11.1	00 30 40.4	166 57 29.3	00 30 36.5	166 57 27.5
68	00 17 20.6	167 17 28.0	00 30 36.5	166 57 27.5	00 30 34.2	166 57 25.9
69	00 16 30.2	167 16 53.6	00 30 34.2	166 57 25.9	00 30 28.1	166 57 21.7
70	00 14 06.7	167 14 58.0	00 30 28.1	166 57 21.7	00 30 26.3	166 57 20.0
71	00 13 36.8	167 14 29.9	00 30 26.3	166 57 20.0	00 30 24.6	166 57 18.4
72	00 12 35.7	167 13 27.3	00 30 24.6	166 57 18.4	00 30 22.8	166 57 16.3
73	00 12 15.8	167 13 05.3	00 30 22.8	166 57 16.3	00 30 21.0	166 57 14.3
74	00 11 53.2	167 12 39.2	00 30 21.0	166 57 14.3	00 30 18.5	166 57 11.5
75	00 11 04.1	167 11 38.2	00 30 18.5	166 57 11.5	00 30 17.2	166 57 09.7
76	00 09 50.4	167 09 52.1	00 30 17.2	166 57 09.7	00 30 14.5	166 57 05.3
77	00 09 25.5	167 09 11.4	00 30 14.5	166 57 05.3	00 30 11.7	166 57 00.7
78	00 09 04.7	167 08 35.2	00 30 11.7	166 57 00.7	00 30 10.9	166 56 59.2
79	00 07 38.9	167 05 31.9	00 30 10.9	166 56 59.2	00 30 06.6	166 56 48.2
80	00 06 51.0	167 03 08.4	00 30 06.6	166 56 48.2	00 30 06.0	166 56 46.2
81	00 06 46.8	167 02 52.9	00 30 06.0	166 56 46.2	00 30 05.5	166 56 44.4
82	00 06 21.4	167 00 59.6	00 30 05.5	166 56 44.4	00 30 04.7	166 56 40.0
83	00 06 16.7	167 00 32.8	00 30 04.7	166 56 40.0	00 30 00.9	166 56 17.8

24 NAUTICAL MILES ARC INTERSECTIONS AND INTERMEDIATE POINTS

	Latitude ° ' "S	Longitude ° ' "E
01	00.06 08.2	166 59 40.0
i	00 06 04.8	166 59 15.1
i	00 06 01.8	166 58 50.2
i	00 05 59.3	166 58 25.1
02	00.05 57.4	166 58 00.1
i	00 05 55.4	166 57 30.8
i	00 05 54.1	166 57 01.5
i	00 05 53.4	166 56 32.2
i	00 05 53.3	166 56 02.8
i	00 05 53.8	166 55 33.5
i	00 05 54.9	166 55 04.2
i	00 05 56.6	166 54 34.9
03	00.05 58.9	166 54 05.6

i	00.06	01.2	166 53 41.7
i	00.06	03.9	166 53 17.9
i	00.06	06.9	166 52 54.1
04	00.06	10.4	166 52 30.4
i	00.06	12.9	166 52 14.5
i	00.06	15.6	166 51 58.7
05	00.06	18.5	166 51 42.9
i	00.06	23.9	166 51 14.9
i	00.06	29.9	166 50 47.0
i	00.06	36.4	166 50 19.2
i	00.06	43.5	166 49 51.6
i	00.06	51.2	166 49 24.1
06	00.06	59.4	166 48 56.8
i	00.07	05.9	166 48 36.5
i	00.07	12.6	166 48 16.3
i	00.07	19.6	166 47 56.1
07	00.07	26.9	166 47 36.1
i	00.07	35.7	166 47 13.1
i	00.07	44.8	166 46 50.2
i	00.07	54.4	166 46 27.5
08	00.08	04.4	166 46 05.0
i	00.08	17.5	166 45 36.8
i	00.08	31.2	166 45 08.9
i	00.08	45.5	166 44 41.3
i	00.09	-0.3	166 44 14.0
i	00.09	15.8	166 43 47.0
i	00.09	31.9	166 43 20.3
i	00.09	48.5	166 42 54.0
i	00.10	05.7	166 42 28.1
i	00.10	23.5	166 42 02.6
i	00.10	41.8	166 41 37.4
i	00.11	00.7	166 41 12.6
i	00.11	20.1	166 40 48.3
i	00.11	40.0	166 40 24.4
i	00.12	00.5	166 40 00.9
09	00.12	21.4	166 39 37.8
i	00.12	29.5	166 39 29.3
10	00.12	37.5	166 39 20.7
i	00.12	54.7	166 39 03.1
i	00.13	12.1	166 38 45.7
i	00.13	29.8	166 38 28.7
i	00.13	47.9	166 38 11.9
11	00.14	06.2	166 37 55.5
i	00.14	22.2	166 37 39.7
i	00.14	38.4	166 37 24.2
12	00.14	54.9	166 37 09.0

i	00.15	01.7	166	37	02.7
13	00.15	08.7	166	36	56.6
i	00.15	23.8	166	36	43.2
14	00.15	39.1	166	36	30.0
i	00.15	59.5	166	36	13.1
i	00.16	20.1	166	35	56.5
i	00.16	41.0	166	35	40.3
15	00.17	02.2	166	35	24.5
i	00.17	26.5	166	35	07.0
i	00.17	51.1	166	34	50.0
i	00.18	16.1	166	34	33.5
i	00.18	41.4	166	34	17.5
i	00.19	07.0	166	34	02.1
i	00.19	33.0	166	33	47.2
i	00.19	59.3	166	33	32.8
i	00.20	25.8	166	33	19.0
16	00.20	52.7	166	33	05.7
i	00.21	17.4	166	32	54.0
i	00.21	42.3	166	32	42.8
i	00.22	07.5	166	32	32.0
i	00.22	32.8	166	32	21.7
i	00.22	58.3	166	32	11.9
i	00.23	24.1	166	32	02.6
i	00.23	49.9	166	31	53.7
17	00.24	16.0	166	31	45.4
i	00.24	36.0	166	31	39.1
i	00.24	56.1	166	31	33.2
i	00.25	16.3	166	31	27.5
18	00.25	36.6	166	31	22.2
i	00.25	55.3	166	31	17.5
19	00.26	14.1	166	31	13.0
i	00.26	39.6	166	31	07.3
i	00.27	05.2	166	31	02.0
i	00.27	30.9	166	30	57.2
20	00.27	56.7	166	30	52.9
i	00.28	20.1	166	30	49.3
i	00.28	43.6	166	30	46.2
21	00.29	07.1	166	30	43.3
i	00.29	30.2	166	30	40.9
i	00.29	53.3	166	30	38.8
i	00.30	16.4	166	30	37.1
22	00.30	39.6	166	30	35.7
i	00.31	08.0	166	30	34.4
i	00.31	36.4	166	30	33.6
i	00.32	04.8	166	30	33.4
i	00.32	33.2	166	30	33.8

i	00.33	01.6	166	30	34.7
i	00.33	30.0	166	30	36.2
i	00.33	58.3	166	30	38.2
i	00.34	26.6	166	30	40.7
i	00.34	54.8	166	30	43.9
23	00.35	23.0	166	30	47.5
i	00.35	30.2	166	30	48.5
24	00.35	37.4	166	30	49.5
i	00.35	38.3	166	30	49.6
25	00.35	39.1	166	30	49.8
i	00.36	08.8	166	30	54.2
i	00.36	38.4	166	30	59.3
i	00.37	07.9	166	31	04.9
i	00.37	37.3	166	31	11.1
i	00.38	06.5	166	31	18.0
i	00.38	35.6	166	31	25.4
i	00.39	04.5	166	31	33.5
26	00.39	33.3	166	31	42.1
i	00.39	43.5	166	31	45.3
27	00.39	53.7	166	31	48.6
i	00.40	21.7	166	31	57.8
i	00.40	49.5	166	32	07.5
i	00.41	17.1	166	32	17.9
i	00.41	44.5	166	32	28.7
i	00.42	11.6	166	32	40.2
i	00.42	38.7	166	32	52.1
i	00.43	05.2	166	33	04.7
i	00.43	31.6	166	33	17.7
i	00.43	57.8	166	33	31.3
28	00.44	23.6	166	33	45.4
i	00.44	46.6	166	33	58.3
i	00.45	09.2	166	34	11.6
i	00.45	31.7	166	34	25.4
i	00.45	53.9	166	34	39.5
i	00.46	15.8	166	34	54.1
i	00.46	37.5	166	35	09.0
i	00.46	58.8	166	35	24.4
29	00.47	19.9	166	35	40.1
i	00.47	39.8	166	35	55.4
i	00.47	59.3	166	36	11.1
i	00.48	18.7	166	36	27.1
30	00.48	37.7	166	36	43.4
i	00.48	56.1	166	36	59.7
i	00.49	14.2	166	37	16.3
31	00.49	32.0	166	37	33.2
i	00.49	49.5	166	37	50.1

i	00.50	06.8	166	38	7.4
32	00.50	23.7	166	38	24.9
i	00.50	30.3	166	38	31.8
33	00.50	36.8	166	38	38.8
i	00.50	55.7	166	38	59.4
i	00.51	14.2	166	39	20.4
i	00.51	32.2	166	39	41.7
i	00.51	49.9	166	40	03.3
i	00.52	07.1	166	40	25.3
34	00.52	23.9	166	40	47.6
i	00.52	35.5	166	41	03.4
i	00.52	46.8	166	41	19.3
i	00.53	25.0	166	42	16.2
i	00.53	38.0	166	42	36.9
36	00.53	50.6	166	42	57.9
i	00.54	03.9	166	43	20.5
i	00.54	16.8	166	43	43.3
i	00.54	29.2	166	44	06.4
i	00.54	41.3	166	44	29.7
37	00.54	52.8	166	44	53.2
i	00.55	04.1	166	45	16.5
i	00.55	14.9	166	45	40.0
i	00.55	25.4	166	46	03.6
i	00.55	35.4	166	46	27.4
i	00.55	44.9	166	46	51.4
i	00.55	54.0	166	47	15.6
38	00.56	02.7	166	47	39.9
i	00.56	09.9	166	48	01.0
i	00.56	16.8	166	48	22.3
i	00.56	23.3	166	48	43.6
i	00.56	29.5	166	49	5.1
39	00.56	35.4	166	49	26.6
i	00.56	40.5	166	49	46.3
i	00.56	45.3	166	50	06.2
i	00.56	49.8	166	50	26.0
40	00.56	54.0	166	50	46.0
i	00.56	57.2	166	51	02.1
41	00.57	00.3	166	51	18.2
i	00.57	04.4	166	51	41.4
i	00.57	08.2	166	52	04.7
i	00.57	11.6	166	52	28.0
42	00.57	14.6	166	52	51.4
i	00.57	15.7	166	53	00.6
43	00.57	16.7	166	53	09.8
i	00.57	17.0	166	53	12.1
44	00.57	17.2	166	53	14.4

i	00.57	19.6	166	53	37.5
i	00.57	21.6	166	54	0.6
i	00.57	23.3	166	54	23.7
i	00.57	24.5	166	54	46.8
45	00.57	25.5	166	55	10.0
i	00.57	26.0	166	55	28.7
46	00.57	26.1	166	55	47.5
i	00.57	26.2	166	56	11.3
i	00.57	25.8	166	56	35.1
i	00.57	25.0	166	56	58.9
47	00.57	23.8	166	57	22.7
i	00.57	22.1	166	57	49.6
i	00.57	19.9	166	58	16.5
i	00.57	17.1	166	58	43.4
i	00.57	13.9	166	59	10.2
i	00.57	10.2	166	59	37.0
i	00.57	05.9	167	00	3.6
i	00.57	01.2	167	00	30.2
48	00.56	56.0	167	00	56.7
i	00.56	52.1	167	01	15.2
i	00.56	47.9	167	01	33.7
49	00.56	43.4	167	01	52.1
i	00.56	36.5	167	02	19.2
i	00.56	29.0	167	02	46.1
i	00.56	21.0	167	03	12.8
i	00.56	12.5	167	03	39.5
50	00.56	03.5	167	04	05.9
i	00.55	54.7	167	04	30.5
i	00.55	45.5	167	04	54.9
i	00.55	35.9	167	05	19.2
i	00.55	25.8	167	05	43.2
i	00.55	15.3	167	06	07.1
51	00.55	04.3	167	06	30.8
i	00.55	04.1	167	06	31.2
52	00.55	03.9	167	06	31.7
i	00.54	52.7	167	06	54.9
i	00.54	41.2	167	07	18.0
i	00.54	29.2	167	07	40.8
53	00.54	16.8	167	08	03.4
i	00.54	04.4	167	08	25.1
i	00.53	51.7	167	08	46.6
i	00.53	38.6	167	09	07.9
i	00.53	25.1	167	09	29.0
54	00.53	11.3	167	09	49.8
i	00.52	59.8	167	10	07.3
i	00.52	48.1	167	10	24.6

55	00.52	36.2	167	10	41.8	
	i	00.52	19.6	167	11	5.1
	i	00.52	02.5	167	11	28.0
	i	00.51	45.0	167	11	50.6
	i	00.51	27.1	167	12	12.8
	i	00.51	08.7	167	12	34.7
	i	00.50	49.8	167	12	56.2
	i	00.50	30.6	167	13	17.3
	i	00.50	10.9	167	13	38.1
	i	00.49	50.8	167	13	58.5
	i	00.49	30.3	167	14	18.4
	i	00.49	09.4	167	14	38.0
56	00.48	48.1	167	14	57.1	
	i	00.48	29.0	167	15	13.7
	i	00.48	09.7	167	15	29.9
57	00.47	50.0	167	15	45.8	
	i	00.47	27.0	167	16	03.8
	i	00.47	03.7	167	16	21.3
	i	00.46	40.0	167	16	38.4
	i	00.46	15.9	167	16	54.9
	i	00.45	51.6	167	17	11.0
	i	00.45	26.9	167	17	26.6
	i	00.45	01.8	167	17	41.7
	i	00.44	36.5	167	17	56.3
	i	00.44	10.9	167	18	10.4
	i	00.43	45.0	167	18	23.9
	i	00.43	18.9	167	18	36.9
	i	00.42	52.5	167	18	49.4
58	00.42	25.8	167	19	01.4	
	i	00.42	10.8	167	19	07.8
	i	00.41	55.8	167	19	14.1
59	00.41	40.6	167	19	20.3	
	i	00.41	18.1	167	19	29.0
	i	00.40	55.4	167	19	37.5
	i	00.40	32.6	167	19	45.5
	i	00.40	09.7	167	19	53.2
60	00.39	46.6	167	20	00.5	
	i	00.39	17.9	167	20	11.0
	i	00.38	49.0	167	20	20.8
	i	00.38	19.9	167	20	30.0
	i	00.37	50.5	167	20	38.6
	i	00.37	21.1	167	20	46.6
	i	00.36	51.4	167	20	54.0
	i	00.36	21.6	167	21	00.8
	i	00.35	51.7	167	21	06.9
	i	00.35	21.6	167	21	12.4

i	00.34	51.4	167	21	17.3
i	00.34	21.2	167	21	21.5
61	00.33	50.8	167	21	25.1
i	00.33	25.8	167	21	27.6
i	00.33	00.8	167	21	29.7
i	00.32	35.8	167	21	31.3
i	00.32	10.7	167	21	32.6
62	00.31	45.6	167	21	33.4
i	00.31	16.4	167	21	33.9
i	00.30	47.3	167	21	33.7
i	00.30	18.1	167	21	33.0
i	00.29	49.0	167	21	31.8
i	00.29	19.9	167	21	29.9
i	00.28	50.8	167	21	27.4
i	00.28	21.8	167	21	24.4
i	00.27	52.8	167	21	20.8
i	00.27	24.0	167	21	16.6
63	00.26	55.2	167	21	11.9
i	00.26	32.0	167	21	07.8
i	00.26	08.9	167	21	03.3
i	00.25	45.8	167	20	58.4
i	00.25	22.9	167	20	53.1
i	00.25	00.0	167	20	47.5
64	00.24	37.2	167	20	41.5
i	00.24	12.6	167	20	34.7
i	00.23	48.2	167	20	27.6
i	00.23	23.9	167	20	20.0
65	00.22	59.7	167	20	12.0
i	00.22	51.0	167	20	09.0
66	00.22	42.3	167	20	06.0
i	00.22	19.3	167	19	57.8
i	00.21	56.5	167	19	49.2
i	00.21	33.8	167	19	40.3
i	00.21	11.3	167	19	30.9
i	00.20	48.9	167	19	21.2
67	00.20	26.7	167	19	11.1
i	00.20	02.6	167	18	59.7
i	00.19	38.8	167	18	47.9
i	00.19	15.1	167	18	35.6
i	00.18	51.7	167	18	23.0
i	00.18	28.6	167	18	09.9
i	00.18	05.7	167	17	56.3
i	00.17	43.0	167	17	42.4
68	00.17	20.6	167	17	28.0
i	00.17	03.7	167	17	16.7
i	00.16	46.9	167	17	05.3

69	00.16	30.2	167	16	53.6	
	i	00.16	08.8	167	16	38.3
	i	00.15	47.7	167	16	22.5
	i	00.15	26.9	167	16	06.3
	i	00.15	06.3	167	15	49.8
	i	00.14	46.1	167	15	32.9
	i	00.14	26.2	167	15	15.7
70	00.14	06.7	167	14	58.0	
	i	00.13	51.6	167	14	44.1
71	00.13	36.8	167	14	29.9	
	i	00.13	21.1	167	14	14.6
	i	00.13	05.7	167	13	59.1
	i	00.12	50.6	167	13	43.3
72	00.12	35.7	167	13	27.3	
	i	00.12	25.7	167	13	16.3
73	00.12	15.8	167	13	05.3	
	i	00.12	04.4	167	12	52.3
74	00.11	53.2	167	12	39.2	
	i	00.11	40.6	167	12	24.2
	i	00.11	28.2	167	12	09.1
	i	00.11	16.0	167	11	53.7
75	00.11	04.1	167	11	38.2	
	i	00.10	48.6	167	11	17.5
	i	00.10	33.5	167	10	56.6
	i	00.10	18.7	167	10	35.3
	i	00.10	04.4	167	10	13.8
76	00.09	50.4	167	09	52.1	
	i	00.09	42.0	167	09	38.6
	i	00.09	33.7	167	09	25.0
77	00.09	25.5	167	09	11.4	
	i	00.09	15.0	167	08	53.4
78	00.09	04.7	167	08	35.2	
	i	00.08	50.9	167	08	09.8
	i	00.08	37.6	167	07	44.1
	i	00.08	24.8	167	07	18.1
	i	00.08	12.5	167	06	51.9
	i	00.08	00.8	167	06	25.4
	i	00.07	49.6	167	05	58.8
79	00.07	38.9	167	05	31.9	
	i	00.07	29.9	167	05	08.3
	i	00.07	21.3	167	04	44.6
	i	00.07	13.1	167	04	20.8
	i	00.07	05.3	167	03	56.8
	i	00.06	58.0	167	03	32.6
80	00.06	51.0	167	03	08.4	
	i	00.06	48.9	167	03	00.7

81	00.06 46.8	167 02 52.9
i	00.06 40.9	167 02 30.4
i	00.06 35.5	167 02 07.8
i	00.06 30.4	167 01 45.2
i	00.06 25.7	167 01 22.4
82	00.06 21.4	167 00 59.6
i	00.06 19.0	167 00 46.2
83	00.06 16.7	167 00 32.8
i	00.06 13.7	167 00 15.2
i	00.06 10.8	166 59 57.6
01	00 06 08.2	166 59 40.0

COORDINATES OF THE 200 NAUTICAL MILE ARC INTERSECTIONS

Pt	Arc Intersections		Base points			
	Latitude ° ‘”	Longitude ° ‘” E	Latitude ° ‘” S	Longitude ° ‘” E	Latitude ° ‘” S	Longitude ° ‘” E
01	02 42 05.1 N	165 57 21.3	00 30 02.0	166 56 01.1	00 30 03.6	166 55 56.2
02	02 38 23.4 N	165 46 30.6	00 30 03.6	166 55 56.2	00 30 04.0	166 55 55.0
03	02 33 16.5 N	165 34 05.9	00 30 04.0	166 55 55.0	00 30 05.2	166 55 52.3
04	01 57 43.7 N	164 40 34.6	00 30 05.2	166 55 52.3	00 30 06.6	166 55 50.9
05	01 55 37.8 N	164 38 20.9	00 30 06.6	166 55 50.9	00 30 07.5	166 55 49.9
06	01 47 23.4 N	164 30 12.9	00 30 07.5	166 55 49.9	00 31 12.1	166 54 49.2
07	01 44 40.3 N	164 27 41.5	00 31 12.1	166 54 49.2	00 31 14.8	166 54 46.7
08	01 43 06.1 N	164 26 16.5	00 31 14.8	166 54 46.7	00 31 17.8	166 54 44.1
09	01 39 12.7 N	164 22 53.5	00 31 17.8	166 54 44.1	00 31 20.4	166 54 41.9
10	01 28 04.5 N	164 14 06.1	00 31 20.4	166 54 41.9	00 31 24.3	166 54 39.0
11	00 56 30.4 N	163 55 06.8	00 31 24.3	166 54 39.0	00 31 27.4	166 54 37.5
12	00 29 11.3 N	163 44 17.2	00 31 27.4	166 54 37.5	00 31 39.1	166 54 33.8
13	00 18 48.4 N	163 41 18.9	00 31 39.1	166 54 33.8	00 31 40.6	166 54 33.5
14	00 14 02.2 N	163 40 08.8	00 31 40.6	166 54 33.5	00 31 46.3	166 54 32.1
15	00 00 12.9 N	163 37 26.1	00 31 46.3	166 54 32.1	00 31 47.4	166 54 32.0
16	00 09 07.6 N	163 36 09.6	00 31 47.4	166 54 32.0	00 31 53.4	166 54 31.3
17	00 21 08.9 S	163 35 09.5	00 31 53.4	166 54 31.3	00 32 00.7	166 54 30.9
18	00 59 35.8 S	163 36 44.7	00 32 00.7	166 54 30.9	00 32 08.0	166 54 31.9
19	01 00 35.5 S	163 36 53.0	00 32 08.0	166 54 31.9	00 32 19.8	166 54 33.6
20	01 32 17.1 S	163 43 58.4	00 32 19.8	166 54 33.6	00 32 22.7	166 54 34.5
21	01 34 16.7 S	163 44 36.1	00 32 22.7	166 54 34.5	00 32 33.6	166 54 38.0
22	02 10 38.5 S	164 00 19.4	00 32 33.6	166 54 38.0	00 32 40.9	166 54 42.0
23	02 34 38.4 S	164 15 56.9	00 32 40.9	166 54 42.0	00 32 41.8	166 54 42.7
24	02 45 13.1 S	164 24 32.7	00 32 41.8	166 54 42.7	00 32 44.6	166 54 45.1
25	02 52 11.0 S	164 30 54.0	00 32 44.6	166 54 45.1	00 32 51.3	166 54 51.6
26	02 58 49.0 S	164 37 32.4	00 32 51.3	166 54 51.6	00 32 53.7	166 54 54.1
27	03 00 19.7 S	164 39 08.6	00 32 53.7	166 54 54.1	00 32 56.3	166 54 56.9
28	03 14 45.8 S	164 56 28.4	00 32 56.3	166 54 56.9	00 33 01.0	166 55 03.2
29	03 19 07.2 S	165 02 34.8	00 33 01.0	166 55 03.2	00 33 02.5	166 55 05.4
30	03 26 02.4 S	165 13 23.9	00 33 02.5	166 55 05.4	00 33 07.6	166 55 13.9

31	03 33 57.3 S	165 28 01.7	00 33 07.6	166 55 13.9	00 33 14.6	166 55 28.3
32	03 43 11.3 S	165 50 09.8	00 33 14.6	166 55 28.3	00 33 15.5	166 55 30.9
33	03 47 38.6 S	166 04 44.0	00 33 15.5	166 55 30.9	00 33 16.0	166 55 32.6
34	03 50 09.7 S	166 15 26.8	00 33 16.0	166 55 32.6	00 33 16.7	166 55 36.4
35	03 50 56.2 S	166 19 24.4	00 33 16.7	166 55 36.4	00 33 17.6	166 55 41.1
36	03 52 50.8 S	166 31 53.6	00 33 17.6	166 55 41.1	00 33 18.0	166 55 44.1
37	03 53 04.3 S	166 33 49.9	00 33 18.0	166 55 44.1	00 33 18.8	166 55 51.2
38	03 53 04.8 S	166 33 54.1	00 33 18.8	166 55 51.2	00 33 19.0	166 55 53.6
39	03 54 12.4 S	166 49 46.6	00 33 19.0	166 55 53.6	00 33 19.1	166 55 54.4
40	03 54 17.8 S	166 54 37.1	00 33 19.1	166 55 54.4	00 33 19.1	166 55 59.8
41	03 53 59.4 S	167 07 07.9	00 33 19.1	166 55 59.8	00 33 18.7	166 56 06.3
42	03 50 10.2 S	167 36 22.8	00 33 18.7	166 56 06.3	00 33 18.3	166 56 08.4
43	03 48 29.0 S	167 43 49.0	00 33 18.3	166 56 08.4	00 33 17.8	166 56 10.5
44	03 43 08.0 S	168 01 47.4	00 33 17.8	166 56 10.5	00 33 14.9	166 56 18.8

200 NAUTICAL MILE ARC INTERSECTIONS AND INTERMEDIATE POINTS

	Latitude	Longitude
01	02 41 29.7	165 55 28.6
i	02 41 13.8	165 54 39.4
i	02 40 57.7	165 53 50.2
i	02 40 41.4	165 53 01.0
i	02 40 24.9	165 52 12.0
i	02 40 08.2	165 51 23.0
i	02 39 51.3	165 50 34.1
i	02 39 34.1	165 49 45.2
i	02 39 16.7	165 48 56.5
i	02 38 59.2	165 48 07.8
i	02 38 41.4	165 47 19.2
02	02 38 23.4	165 46 30.6
i	02 38 03.2	165 45 36.8
i	02 37 42.6	165 44 43.0
i	02 37 21.9	165 43 49.3
i	02 37 00.9	165 42 55.8
i	02 36 39.6	165 42 02.3
i	02 36 18.0	165 41 09.0
i	02 35 56.3	165 40 15.7
i	02 35 34.2	165 39 22.5
i	02 35 11.9	165 38 29.5
i	02 34 49.3	165 37 36.6
i	02 34 26.5	165 36 43.7
i	02 34 03.4	165 35 51.0
i	02 33 40.1	165 34 58.4
03	02 33 16.5	165 34 05.9
i	02 32 51.9	165 33 11.7
i	02 32 27.0	165 32 17.6
i	02 32 01.8	165 31 23.7

i 02 31 36.3	165 30 29.9
i 02 31 10.6	165 29 36.2
i 02 30 44.6	165 28 42.6
i 02 30 18.4	165 27 49.2
i 02 29 51.8	165 26 55.9
i 02 29 25.0	165 26 02.7
i 02 28 58.0	165 25 09.7
i 02 28 30.7	165 24 16.8
i 02 28 03.1	165 23 24.0
i 02 27 35.2	165 22 31.4
i 02 27 07.1	165 21 38.9
i 02 26 38.8	165 20 46.6
i 02 26 10.1	165 19 54.4
i 02 25 41.2	165 19 02.3
i 02 25 12.1	165 18 10.4
i 02 24 42.7	165 17 18.6
i 02 24 13.0	165 16 27.0
i 02 23 43.1	165 15 35.4
i 02 23 12.9	165 14 44.1
i 02 22 42.5	165 13 52.9
i 02 22 11.8	165 13 01.9
i 02 21 40.8	165 12 11.0
i 02 21 09.6	165 11 20.3
i 02 20 38.2	165 10 29.7
i 02 20 06.5	165 09 39.3
i 02 19 34.5	165 08 49.0
i 02 19 02.3	165 07 58.9
i 02 18 29.8	165 07 09.0
i 02 17 57.1	165 06 19.2
i 02 17 24.2	165 05 29.6
i 02 16 51.0	165 04 40.1
i 02 16 17.5	165 03 50.9
i 02 15 43.8	165 03 01.7
i 02 15 09.9	165 02 12.8
i 02 14 35.7	165 01 24.0
i 02 14 01.3	165 00 35.4
i 02 13 26.6	164 59 46.9
i 02 12 51.7	164 58 58.6
i 02 12 16.5	164 58 10.5
i 02 11 41.1	164 57 22.6
i 02 11 05.5	164 56 34.9
i 02 10 29.6	164 55 47.3
i 02 09 53.5	164 54 59.9
i 02 09 17.2	164 54 12.7
i 02 08 40.6	164 53 25.6
i 02 08 03.8	164 52 38.8

i 02 07 26.7	164 51 52.1
i 02 06 49.5	164 51 05.6
i 02 06 12.0	164 50 19.3
i 02 05 34.2	164 49 33.2
i 02 04 56.2	164 48 47.2
i 02 04 18.0	164 48 01.5
i 02 03 39.6	164 47 15.9
i 02 03 01.0	164 46 30.6
i 02 02 22.1	164 45 45.4
i 02 01 43.0	164 45 00.4
i 02 01 03.6	164 44 15.6
i 02 00 24.1	164 43 31.1
i 01 59 44.3	164 42 46.6
i 01 59 04.3	164 42 02.4
i 01 58 24.1	164 41 18.4
04 01 57 43.7	164 40 34.6
i 01 57 12.4	164 40 01.0
i 01 56 41.0	164 39 27.5
i 01 56 09.5	164 38 54.2
05 01 55 37.8	164 38 20.9
i 01 55 00.8	164 37 42.4
i 01 54 23.6	164 37 04.0
i 01 53 46.2	164 36 25.8
i 01 53 08.7	164 35 47.8
i 01 52 31.0	164 35 09.9
i 01 51 53.2	164 34 32.2
i 01 51 15.1	164 33 54.6
i 01 50 36.9	164 33 17.3
i 01 49 58.6	164 32 40.1
i 01 49 20.0	164 32 03.0
i 01 48 41.3	164 31 26.1
i 01 48 02.5	164 30 49.5
06 01 47 23.4	164 30 12.9
i 01 46 51.0	164 29 42.4
i 01 46 18.5	164 29 12.0
i 01 45 45.9	164 28 41.7
i 01 45 13.1	164 28 11.5
07 01 44 40.3	164 27 41.5
i 01 44 09.0	164 27 13.1
i 01 43 37.6	164 26 44.7
08 01 43 06.1	164 26 16.5
i 01 42 27.5	164 25 42.3
i 01 41 48.9	164 25 08.2
i 01 41 10.1	164 24 34.3
i 01 40 31.1	164 24 00.5
i 01 39 52.0	164 23 26.9

09	01 39 12.7	164 22 53.5
i	01 38 29.4	164 22 16.9
i	01 37 45.8	164 21 40.4
i	01 37 02.1	164 21 04.2
i	01 36 18.2	164 20 28.2
i	01 35 34.2	164 19 52.5
i	01 34 49.9	164 19 16.9
i	01 34 05.6	164 18 41.5
i	01 33 21.0	164 18 06.3
i	01 32 36.3	164 17 31.4
i	01 31 51.4	164 16 56.6
i	01 31 06.3	164 16 22.1
i	01 30 21.1	164 15 47.8
i	01 29 35.7	164 15 13.6
i	01 28 50.2	164 14 39.7
10	01 28 04.5	164 14 06.1
i	01 27 17.5	164 13 31.7
i	01 26 30.3	164 12 57.6
i	01 25 42.9	164 12 23.7
i	01 24 55.4	164 11 50.1
i	01 24 07.8	164 11 16.6
i	01 23 19.9	164 10 43.4
i	01 22 31.9	164 10 10.5
i	01 21 43.8	164 09 37.7
i	01 20 55.5	164 09 05.2
i	01 20 07.0	164 08 33.0
i	01 19 18.3	164 08 00.9
i	01 18 29.6	164 07 29.1
i	01 17 40.6	164 06 57.6
i	01 16 51.5	164 06 26.2
i	01 16 02.3	164 05 55.1
i	01 15 12.9	164 05 24.3
i	01 14 23.3	164 04 53.7
i	01 13 33.6	164 04 23.3
i	01 12 43.8	164 03 53.1
i	01 11 53.8	164 03 23.2
i	01 11 03.7	164 02 53.6
i	01 10 13.4	164 02 24.2
i	01 09 23.0	164 01 55.0
i	01 08 32.4	164 01 26.0
i	01 07 41.7	164 00 57.3
i	01 06 50.9	164 00 28.9
i	01 05 59.9	164 00 00.7
i	01 05 08.8	163 59 32.7
i	01 04 17.5	163 59 05.0
i	01 03 26.2	163 58 37.6

i 01 02 34.6	163 58 10.3
i 01 01 43.0	163 57 43.4
i 01 00 51.2	163 57 16.7
i 00 59 59.3	163 56 50.2
i 00 59 07.3	163 56 24.0
i 00 58 15.1	163 55 58.0
i 00 57 22.8	163 55 32.3
11 00 56 30.4	163 55 06.8
i 00 55 37.4	163 54 41.3
i 00 54 44.3	163 54 16.1
i 00 53 51.0	163 53 51.2
i 00 52 57.6	163 53 26.5
i 00 52 04.1	163 53 02.1
i 00 51 10.5	163 52 37.9
i 00 50 16.8	163 52 14.0
i 00 49 22.9	163 51 50.4
i 00 48 29.0	163 51 27.0
i 00 47 34.9	163 51 03.8
i 00 46 40.7	163 50 41.0
i 00 45 46.4	163 50 18.4
i 00 44 52.0	163 49 56.1
i 00 43 57.4	163 49 34.0
i 00 43 02.8	163 49 12.2
i 00 42 08.1	163 48 50.6
i 00 41 13.2	163 48 29.4
i 00 40 18.3	163 48 08.4
i 00 39 23.2	163 47 47.6
i 00 38 28.1	163 47 27.1
i 00 37 32.8	163 47 06.9
i 00 36 37.5	163 46 47.0
i 00 35 42.0	163 46 27.3
i 00 34 46.5	163 46 07.9
i 00 33 50.8	163 45 48.8
i 00 32 55.1	163 45 29.9
i 00 31 59.3	163 45 11.3
i 00 31 03.4	163 44 53.0
i 00 30 07.4	163 44 35.0
12 00 29 11.3	163 44 17.2
i 00 28 19.7	163 44 01.0
i 00 27 28.4	163 43 45.2
i 00 26 36.5	163 43 29.5
i 00 25 44.7	163 43 14.0
i 00 24 52.9	163 42 58.8
i 00 24 01.1	163 42 43.9
i 00 23 09.1	163 42 29.1
i 00 22 17.1	163 42 14.6

i 00 21 25.0	163 42 00.3
i 00 20 32.9	163 41 46.3
i 00 19 40.7	163 41 32.4
13 00 18 48.4	163 41 18.9
i 00 18 00.8	163 41 06.7
i 00 17 13.2	163 40 54.7
i 00 16 25.5	163 40 42.9
i 00 15 37.8	163 40 31.4
i 00 14 50.0	163 40 20.0
14 00 14 02.2	163 40 08.8
i 00 13 07.3	163 39 56.1
i 00 12 12.3	163 39 43.8
i 00 11 17.3	163 39 31.6
i 00 10 22.2	163 39 19.8
i 00 09 27.1	163 39 08.2
i 00 08 31.9	163 38 56.8
i 00 07 36.6	163 38 45.7
i 00 06 41.3	163 38 34.9
i 00 05 46.0	163 38 24.3
i 00 04 50.6	163 38 13.9
i 00 03 55.2	163 38 03.9
i 00 02 59.7	163 37 54.0
i 00 02 04.1	163 37 44.5
i 00 01 08.6	163 37 35.2
15 00 00 12.9	163 37 26.1
i -00 00 42.9	163 37 17.3
i -00 01 38.9	163 37 08.8
i -00 02 34.8	163 37 00.5
i -00 03 30.8	163 36 52.4
i -00 04 26.9	163 36 44.6
i -00 05 22.9	163 36 37.1
i -00 06 19.0	163 36 29.8
i -00 07 15.2	163 36 22.8
i -00 08 11.4	163 36 16.1
16 -00 09 07.6	163 36 09.6
i -00 10 02.9	163 36 03.5
i -00 10 58.3	163 35 57.6
i -00 11 53.7	163 35 52.0
i -00 12 49.1	163 35 46.6
i -00 13 44.6	163 35 41.4
i -00 14 40.0	163 35 36.6
i -00 15 35.5	163 35 31.9
i -00 16 31.0	163 35 27.6
i -00 17 26.6	163 35 23.5
i -00 18 22.1	163 35 19.6
i -00 19 17.7	163 35 16.0

i	-00 20 13.3	163 35 12.6
17	-00 21 08.9	163 35 09.5
i	-00 22 08.1	163 35 06.5
i	-00 23 07.3	163 35 03.7
i	-00 24 06.6	163 35 01.3
i	-00 25 05.8	163 34 59.1
i	-00 26 05.1	163 34 57.2
i	-00 27 04.4	163 34 55.6
i	-00 28 03.6	163 34 54.3
i	-00 29 02.9	163 34 53.2
i	-00 30 02.2	163 34 52.5
i	-00 31 01.5	163 34 52.0
i	-00 32 00.8	163 34 51.9
i	-00 33 00.1	163 34 52.0
i	-00 33 59.4	163 34 52.4
i	-00 34 58.7	163 34 53.1
i	-00 35 58.0	163 34 54.1
i	-00 36 57.2	163 34 55.4
i	-00 37 56.5	163 34 57.0
i	-00 38 55.8	163 34 58.9
i	-00 39 55.0	163 35 01.0
i	-00 40 54.3	163 35 03.5
i	-00 41 53.5	163 35 06.2
i	-00 42 52.7	163 35 09.2
i	-00 43 51.9	163 35 12.5
i	-00 44 51.1	163 35 16.1
i	-00 45 50.3	163 35 20.0
i	-00 46 49.4	163 35 24.2
i	-00 47 48.5	163 35 28.6
i	-00 48 47.6	163 35 33.4
i	-00 49 46.7	163 35 38.4
i	-00 50 45.8	163 35 43.8
i	-00 51 44.8	163 35 49.4
i	-00 52 43.8	163 35 55.3
i	-00 53 42.7	163 36 01.5
i	-00 54 41.7	163 36 08.0
i	-00 55 40.6	163 36 14.7
i	-00 56 39.4	163 36 21.8
i	-00 57 38.3	163 36 29.1
i	-00 58 37.1	163 36 36.8
18	-00 59 35.8	163 36 44.7
i	-01 00 05.7	163 36 48.8
19	-0 00 35.5	163 36 533.0
i	-01 01 34.1	163 37 01.4
i	-01 02 32.5	163 37 10.0
i	-01 03 31.0	163 37 19.0

i	-01 04 29.4	163 37 28.2
i	-01 05 27.7	163 37 37.7
i	-01 06 26.0	163 37 47.5
i	-01 07 24.3	163 37 57.6
i	-01 08 22.5	163 38 08.0
i	-01 09 20.6	163 38 18.6
i	-01 10 18.7	163 38 29.6
i	-01 11 16.8	163 38 40.8
i	-01 12 14.7	163 38 52.3
i	-01 13 12.7	163 39 04.0
i	-01 14 10.5	163 39 16.1
i	-01 15 08.4	163 39 28.5
i	-01 16 06.1	163 39 41.1
i	-01 17 03.8	163 39 54.0
i	-01 18 01.4	163 40 07.2
i	-01 18 59.0	163 40 20.6
i	-01 19 56.5	163 40 34.4
i	-01 20 53.9	163 40 48.4
i	-01 21 51.2	163 41 02.7
i	-01 22 48.5	163 41 17.3
i	-01 23 45.7	163 41 32.2
i	-01 24 42.8	163 41 47.3
i	-01 25 39.9	163 42 02.7
i	-01 26 36.9	163 42 18.4
i	-01 27 33.8	163 42 34.4
i	-01 28 30.6	163 42 50.7
i	-01 29 27.3	163 43 07.2
i	-01 30 24.0	163 43 24.0
i	-01 31 20.6	163 43 41.1
20	-01 32 17.1	163 43 58.4
i	-01 32 57.0	163 44 10.9
i	-01 33 36.9	163 44 23.4
21	-01 34 16.7	163 44 36.1
i	-01 35 13.4	163 44 54.4
i	-01 36 09.9	163 45 13.0
i	-01 37 06.4	163 45 31.8
i	-01 38 02.8	163 45 51.0
i	-01 38 59.1	163 46 10.4
i	-01 39 55.3	163 46 30.0
i	-01 40 51.4	163 46 50.0
i	-01 41 47.4	163 47 10.2
i	-01 42 43.3	163 47 30.7
i	-01 43 39.1	163 47 51.5
i	-01 44 34.8	163 48 12.5
i	-01 45 30.3	163 48 33.8
i	-01 46 25.8	163 48 55.4

i	-01 47 21.2	163 49 17.3
i	-01 48 16.4	163 49 39.4
i	-01 49 11.6	163 50 01.8
i	-01 50 06.6	163 50 24.5
i	-01 51 01.6	163 50 47.4
i	-01 51 56.4	163 51 10.6
i	-01 52 51.1	163 51 34.1
i	-01 53 45.6	163 51 57.9
i	-01 54 40.1	163 52 21.9
i	-01 55 34.4	163 52 46.2
i	-01 56 28.6	163 53 10.7
i	-01 57 22.7	163 53 35.6
i	-01 58 16.7	163 54 00.6
i	-01 59 10.5	163 54 26.0
i	-02 00 04.3	163 54 51.6
i	-02 00 57.9	163 55 17.5
i	-02 01 51.3	163 55 43.6
i	-02 02 44.6	163 56 10.0
i	-02 03 37.8	163 56 36.7
i	-02 04 30.9	163 57 03.6
i	-02 05 23.8	163 57 30.8
i	-02 06 16.6	163 57 58.3
i	-02 07 09.3	163 58 26.0
i	-02 08 01.8	163 58 53.9
i	-02 08 54.1	163 59 22.2
i	-02 09 46.4	163 59 50.6
22	-02 10 38.5	164 00 19.4
i	-02 11 28.6	164 00 47.3
i	-02 12 18.6	164 01 15.4
i	-02 13 08.4	164 01 43.8
i	-02 13 58.1	164 02 12.4
i	-02 14 47.6	164 02 41.3
i	-02 15 37.0	164 03 10.3
i	-02 16 26.3	164 03 39.6
i	-02 17 15.4	164 04 09.2
i	-02 18 04.4	164 04 39.0
i	-02 18 53.3	164 05 09.0
i	-02 19 42.0	164 05 39.2
i	-02 20 30.5	164 06 09.7
i	-02 21 18.9	164 06 40.4
i	-02 22 07.2	164 07 11.3
i	-02 22 55.3	164 07 42.5
i	-02 23 43.3	164 08 13.9
i	-02 24 31.1	164 08 45.5
i	-02 25 18.7	164 09 17.4
i	-02 26 06.2	164 09 49.4

i	-02 26 53.6	164 10 21.7
i	-02 27 40.8	164 10 54.2
i	-02 28 27.8	164 11 27.0
i	-02 29 14.7	164 11 59.9
i	-02 30 01.4	164 12 33.1
i	-02 30 48.0	164 13 06.5
i	-02 31 34.4	164 13 40.2
i	-02 32 20.6	164 14 14.0
i	-02 33 06.7	164 14 48.1
i	-02 33 52.6	164 15 22.4
23	-02 34 38.4	164 15 56.9
i	-02 34 21.8	164 16 29.9
i	-02 36 05.0	164 17 03.1
i	-02 36 48.1	164 17 36.6
i	-02 37 31.1	164 18 10.2
i	-02 38 13.8	164 18 44.0
i	-02 38 56.5	164 19 18.0
i	-02 39 39.0	164 19 52.2
i	-02 40 21.3	164 20 26.6
i	-02 41 03.4	164 21 01.2
i	-02 41 45.4	164 21 36.0
i	-02 42 27.3	164 22 10.9
i	-02 43 09.0	164 22 46.1
i	-02 43 50.5	164 23 21.4
i	-02 44 31.9	164 23 57.0
24	-02 45 13.1	164 24 32.7
i	-02 45 55.7	164 25 09.9
i	-02 46 38.1	164 25 47.4
i	-02 47 20.3	164 26 25.0
i	-02 48 02.4	164 27 02.9
i	-02 48 44.3	164 27 40.9
i	-02 49 26.0	164 28 19.1
i	-02 50 07.5	164 28 57.6
i	-02 50 48.9	164 29 36.2
i	-02 51 30.0	164 30 15.0
25	-02 52 11.0	164 30 54.1
i	-02 52 51.7	164 31 33.1
i	-02 53 32.1	164 32 12.2
i	-02 54 12.4	164 32 51.6
i	-02 54 52.5	164 33 31.2
i	-02 55 32.3	164 34 10.9
i	-02 56 12.1	164 34 50.9
i	-02 56 51.6	164 35 31.0
i	-02 57 30.9	164 36 11.3
i	-02 58 10.0	164 36 51.8
26	-02 58 49.0	164 37 32.4

i	-02 59 19.3	164 38 04.4
i	-02 59 49.6	164 38 36.4
27	-03 00 19.7	164 39 08.6
i	-03 00 58.1	164 39 5.0
i	-03 01 36.3	164 40 31.5
i	-03 02 14.3	164 41 13.2
i	-03 02 52.1	164 41 55.1
i	-03 03 29.8	164 42 37.1
i	-03 04 07.2	164 43 19.3
i	-03 04 44.4	164 44 01.7
i	-03 05 21.4	164 44 44.3
i	-03 05 58.2	164 45 27.1
i	-03 06 34.9	164 46 10.0
i	-03 07 11.3	164 46 53.1
i	-03 07 47.5	164 47 36.4
i	-03 08 23.5	164 48 19.8
i	-03 08 59.3	164 49 03.4
i	-03 09 34.9	164 49 47.2
i	-03 10 10.3	164 50 31.1
i	-03 10 45.4	164 51 15.2
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