UNITED STATES DEPARTMENT OF INTERIOR

GEOLOGICAL SURVEY

Data Report for the 1978-1985 Seismic-Refraction Surveys in Northeastern California

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OPEN-FILE REPORT 87-625

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

1987

[1] USGS, Menlo Park, California

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INTRODUCTION

Over an eight year period from 1978-1985, the U.S. Geological Survey conducted seismic refraction surveys in northeastern California to study the crustal structure and to assess the geothermal potential of the region (Figures 1, 2, and 3). Figure 1 shows all shotpoints labeled with the shotpoint location number. Figure 2 shows all shotpoint and recorder locations. Figure 3 shows shotpoints and station locations for each deployment of instruments. The data are grouped together according to instrument deployments, and analysis of data from different deployments has been done separately by different researchers. Interpretation of deployments 2-8 (Figures 3b-3h) is presented by Zucca and others (1986) and Fuis and others (1987). Interpretation of deployments 11, 13, and 15 (Figures 3k, 3m, and 3o) in the Lassen Peak area are reported in Berge and Stauber (in press), and a report on the 1985 data collected at Medicine Lake volcano (Deployment 16, Figure 3p) is given in Berge and others (1986). The purpose of this report is to present the complete data set in tables, figures, and on digital tapes.

FIELD OPERATIONS AND INSTRUMENTATION

A total of 55 shots were detonated at 29 shotpoints during the surveys (Table 1, Figure 1). At each shotpoint, approximately 900 or more kg of explosives was loaded and detonated in 50 m deep boreholes. In the figures and tables, the first two digits of the shotpoint numbers indicate the year the shotpoint was first used. Each shot that was detonated has a distinct shot number referring to the sequence in which the shots were detonated.

The instruments are portable cassette (analog) tape recorders with 2-Hz seismometers, capable of rapid deployment, programmable turn-on, and rapid playback in the field or laboratory. A total of 60 recorders were used for deployment 1, 100 recorders were used for deployments 2-15 and 120 recorders were used for deployment 16. The recorders were deployed a total of 16 times with an approximate spacing of 0.5-1.75 km, and one or more shots were recorded during each deployment (Figures 2, 3; Tables 2, 3). The recorder locations were numbered independently each year, which resulted in duplicated location numbers from year to year. For deployment 2, all recorders were deployed near the shotpoint in order to test the recording and playback equipment ("huddle test").

DATA PROCESSING

The analog seismic signals recorded on the cassette tapes were digitized beginning at time

$$T = S + T_0 + X/(6.0 \text{ km/s}) + c,$$

where S is the shot time (Table 1), T_0 is the reduced start time in seconds, X is the shot-to-recorder distance in kilometers, and c is the recorder clock drift in seconds. The appropriate digitizing parameters for each year of recording is given below:

Year	Sampling Interval (msec)	Record length (Samples)	T_0 (s)
1978	5	2001	-2
1981	5	4001	-2
1982	5	4001	-2
1985	5	4001	-4

The shot-to-station distances and azimuths (Table 3) were calculated using the Richter approximation for distances up to 80 kilometers. At distances greater than 80 kilometers, distances were calculated using a spherical Earth approximation which yields results differing by about 0.2 kilometers from the Richter approximation results. Approximate ground velocity can be calculated from the digital amplitude, recorder attenuation (trace header, bytes 121-122, see below), and a formula in Berge and others (1986, Appendix B). The digital sample values vary from zero to 4095 counts.

ARCHIVE DATA TAPES

Data for this experiment is stored on three 9-track, 1/2 inch digital tapes, recorded at 1600 bits per inch. Tapes 1 and 2 contain the digitized waveform data written in SEGY format (Barry and others, 1975) (Table 4). The SEGY reel identification card image block (Table 5), contains informational text describing the tape and its contents. Only certain byte fields are used in the reel identification binary-coded block (Table 6). Some of the trace identification headers on the SEGY tapes have a different definition than is specified in the SEGY standard (Table 7). The number of samples per trace specified in the reel identification header binary-coded block is the maximum trace length in that reel. The data trace length varies within each tape reel.

The third tape contains tables 1-7 stored as one file, in unlabelled ASCII format. The physical blocksize is 2640 bytes, and each logical record ("card image") is padded to 132 bytes. A double end-of-file mark is written after the data file to signify the end of tape.

All tapes can be obtained from the following source:

National Geophysical Data Center
NOAA/EGCI
325 Broadway
Boulder, CO 80303
Telephone: (303) 497-6123

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Berge, P.A., J.R. Evans, J.J. Zucca, W.M. Kohler, W.D. Mooney, P.B. Dawson, and M.H. Smith, 1986, High-resolution seismic investigation of the Medicine Lake volcano, California: U.S. Geological Survey Open-File Report 86-362, 101 pp.

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Fuis, G.S., J.J. Zucca, W.D. Mooney, and B. Milkereit, 1987, A geologic interpretation of seismic-refraction results in northeastern California: Geological Society of America Bulletin, v. 98, p. 53-65.

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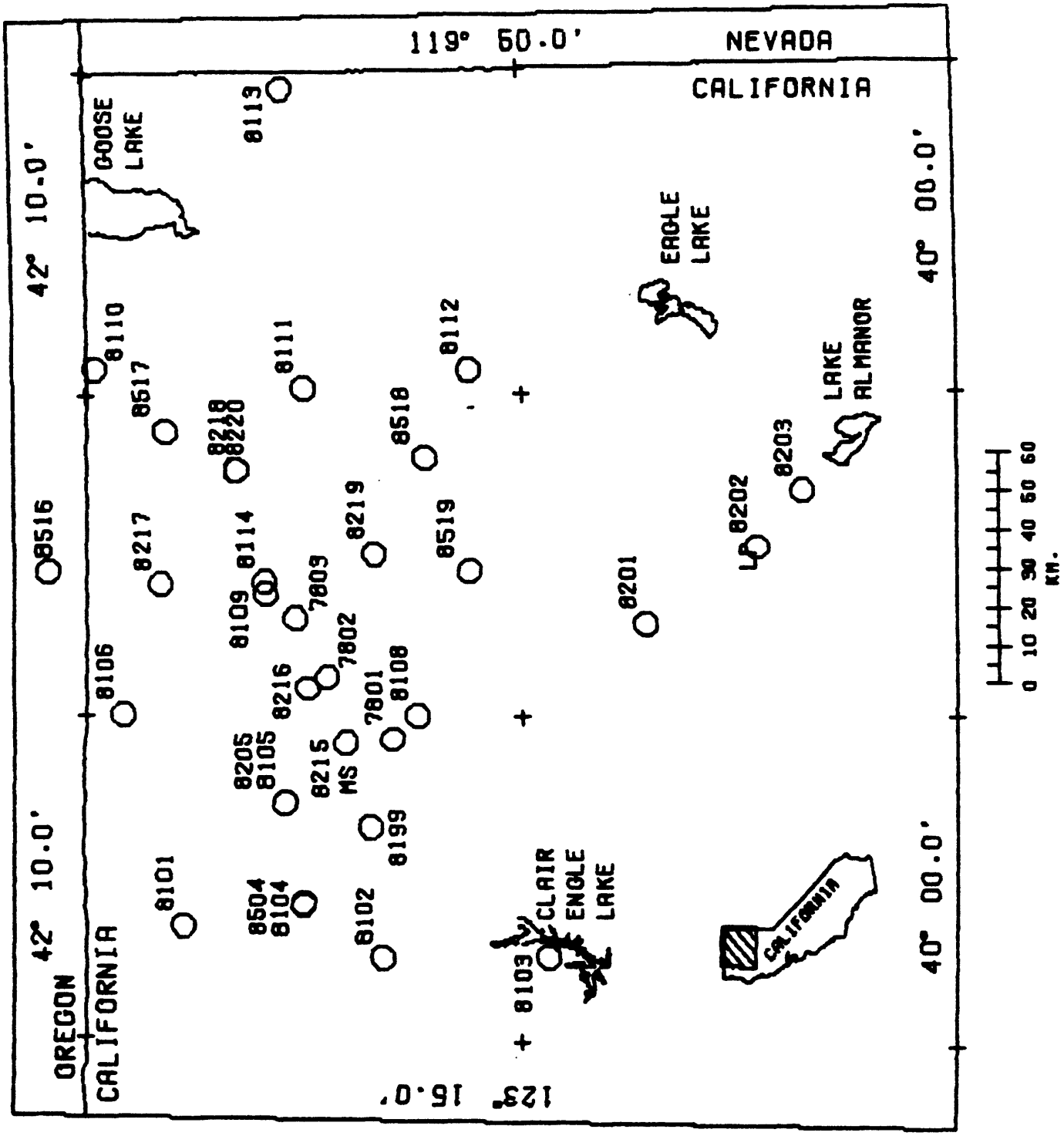

Figure 1. Locations of shotpoints (circles) for all surveys. First two digits of shotpoint label refer to year the shotpoint was first used. Shotpoint pairs 8105-8205, 8218-8220, and 8104-8504 are nearly coincident, differing in location by only a few meters. The location of Mount Shasta is marked MS; Lassen Peak is marked LP. Portions of Goose Lake within Oregon are not shown.

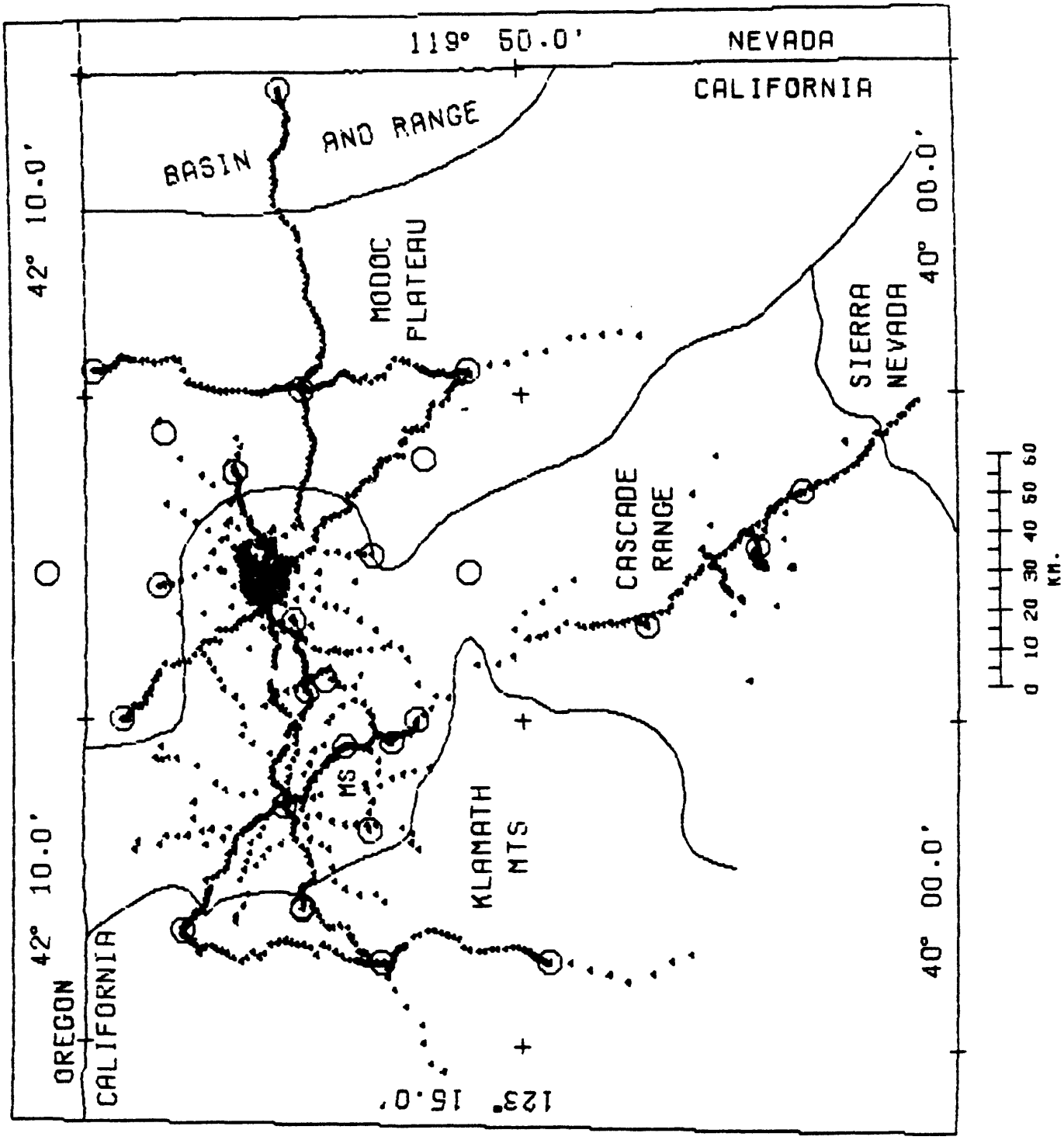

Figure 2. Locations of all deployed seismic recorders (triangles) superimposed on map of figure 1. Five geologic provinces covered by survey are Klamath Mountains, Cascade Range, Modoc Plateau, Basin and Range, and Sierra Nevada provinces.

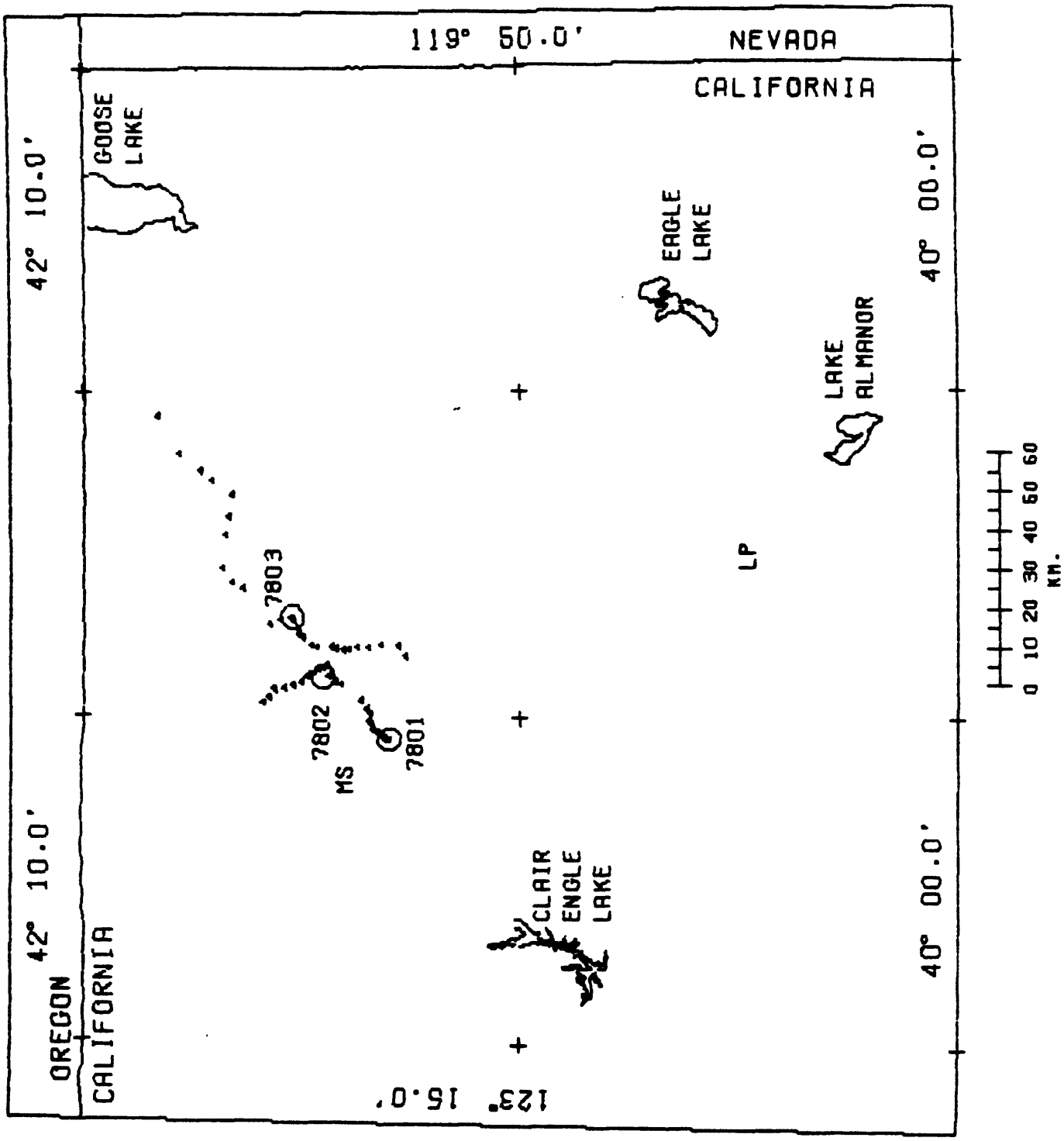

Figure 3a. Locations of shotpoints (circles) and recorders (triangles) for deployment 1, recorded in 1978.

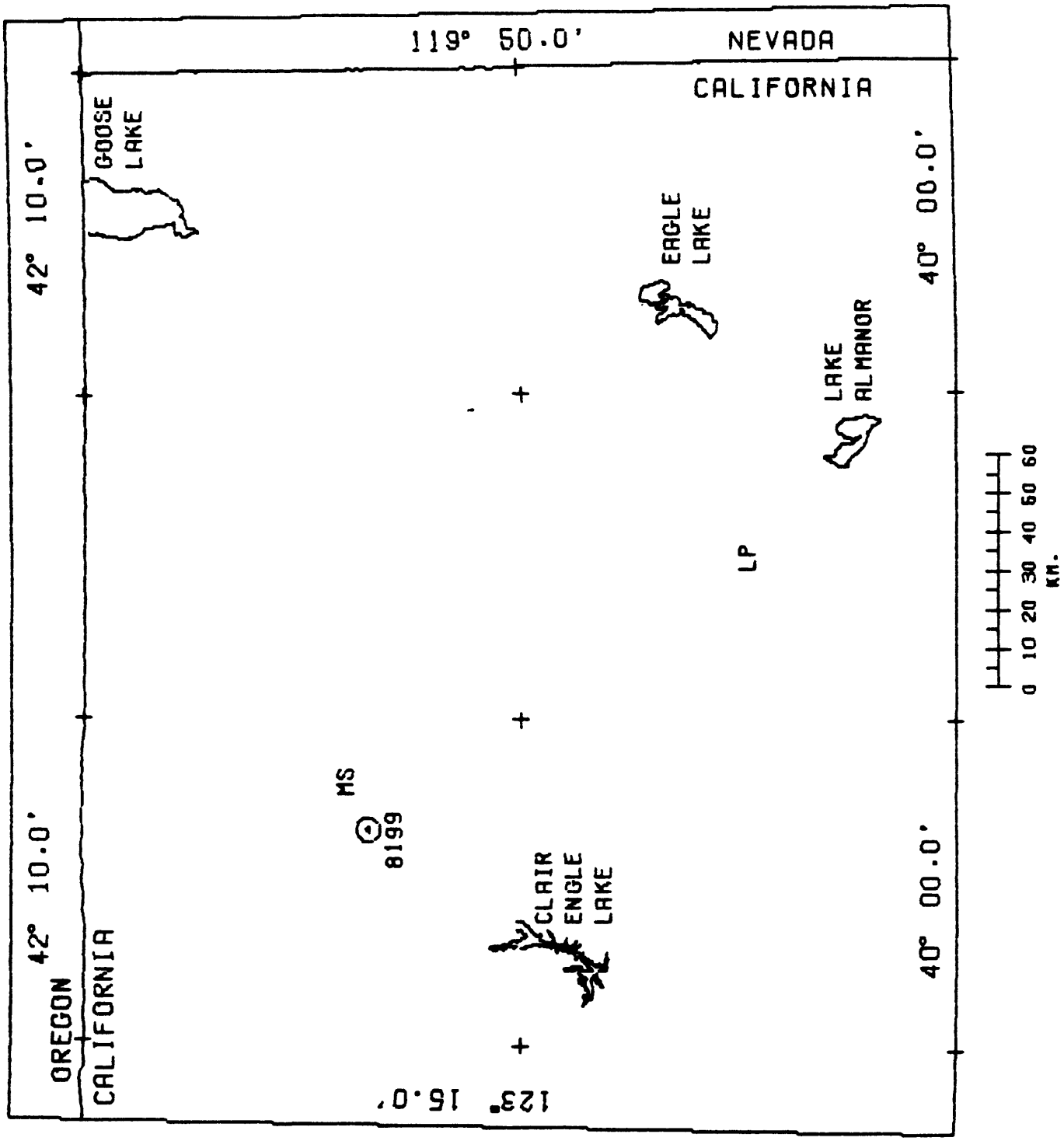

Figure 3b. Locations of shotpoint (circle) and recorders (triangles) for deployment 2 ("huddle test"), recorded in 1981.

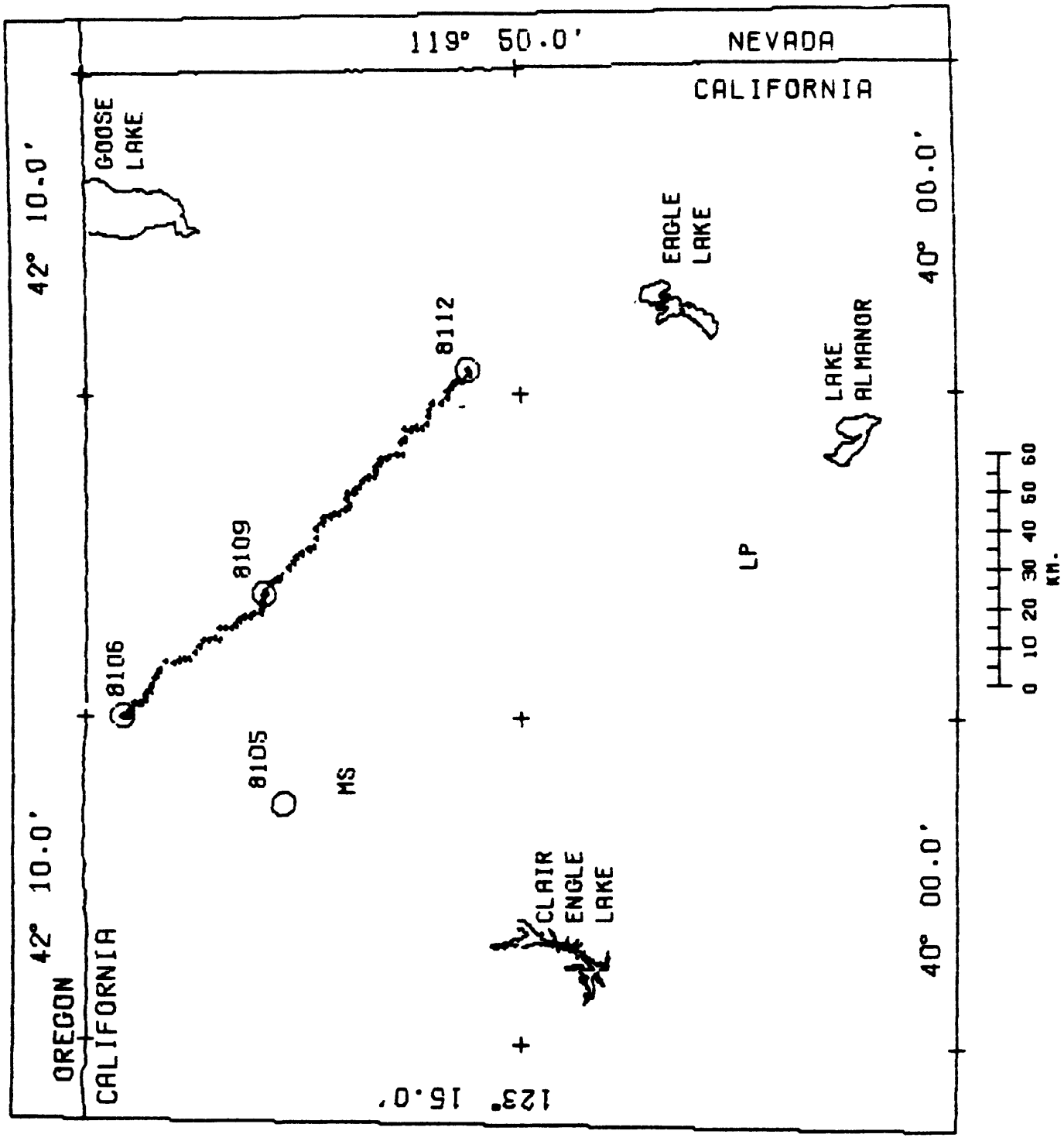

Figure 3c. Locations of shotpoints (circles) and recorders (triangles) for deployment 3, recorded in 1981.

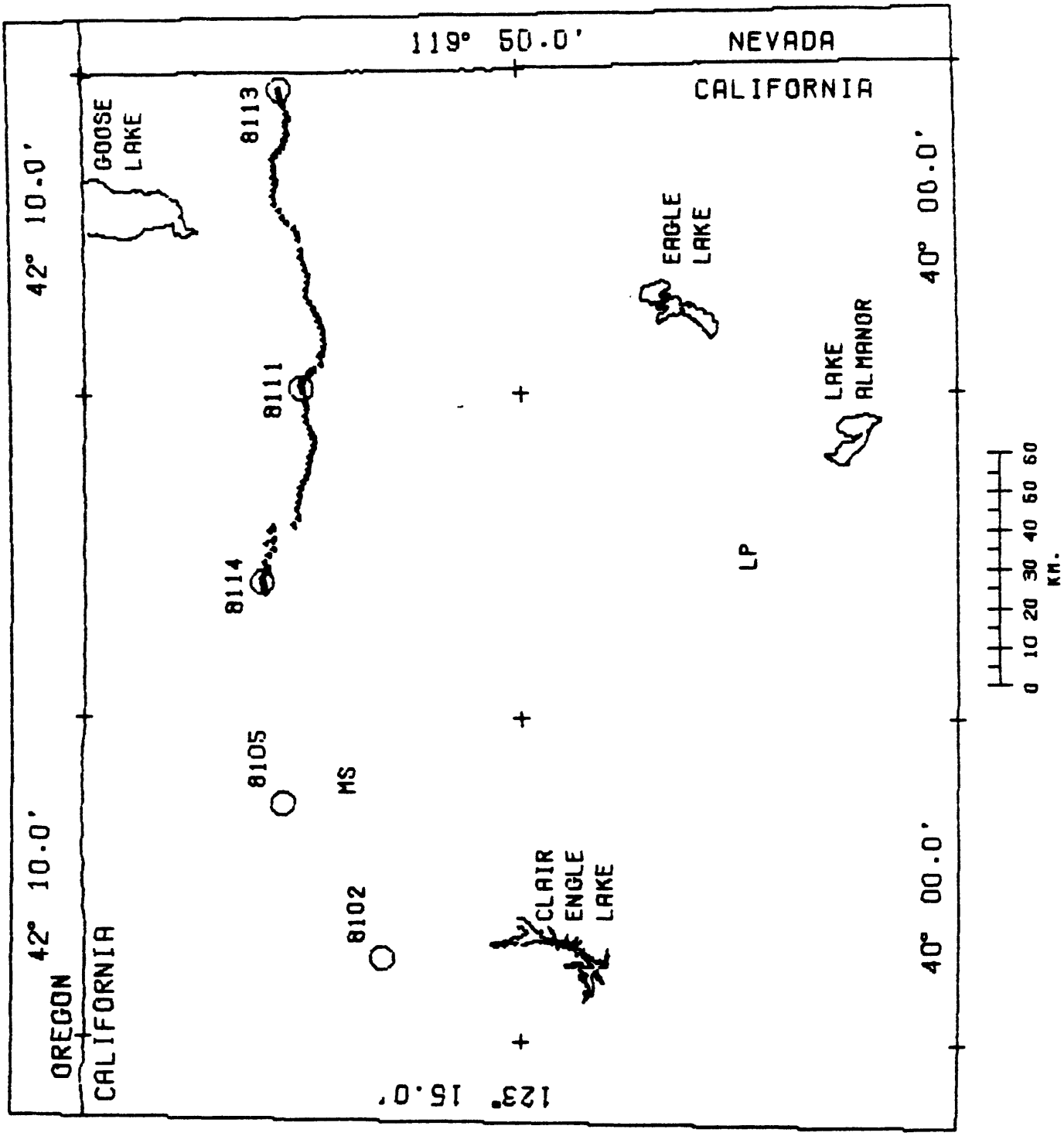

Figure 3d. Locations of shotpoints (circles) and recorders (triangles) for deployment 4, recorded in 1981.

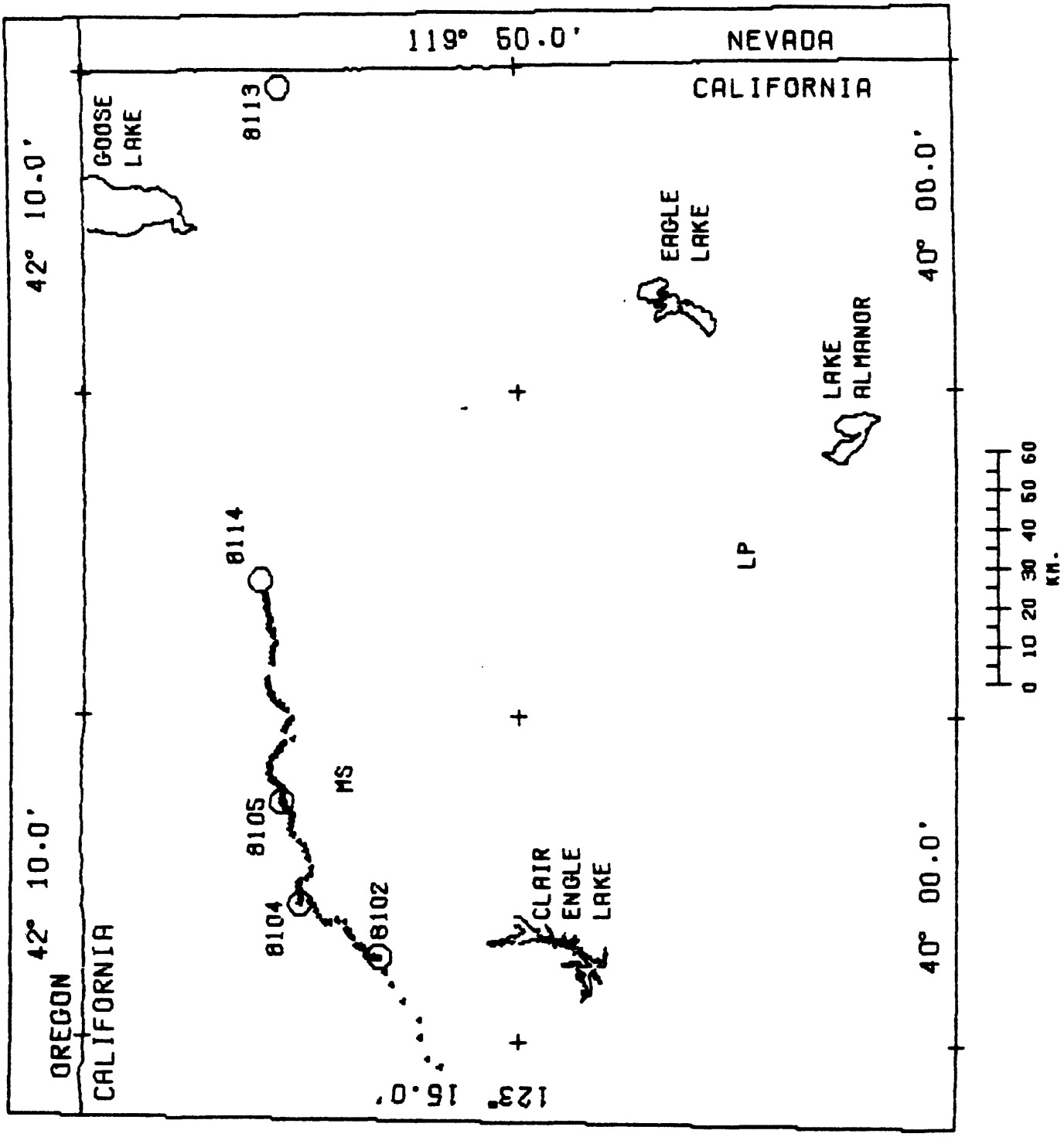

Figure 3e. Locations of shotpoints (circles) and recorders (triangles) for deployment 5, recorded in 1981.

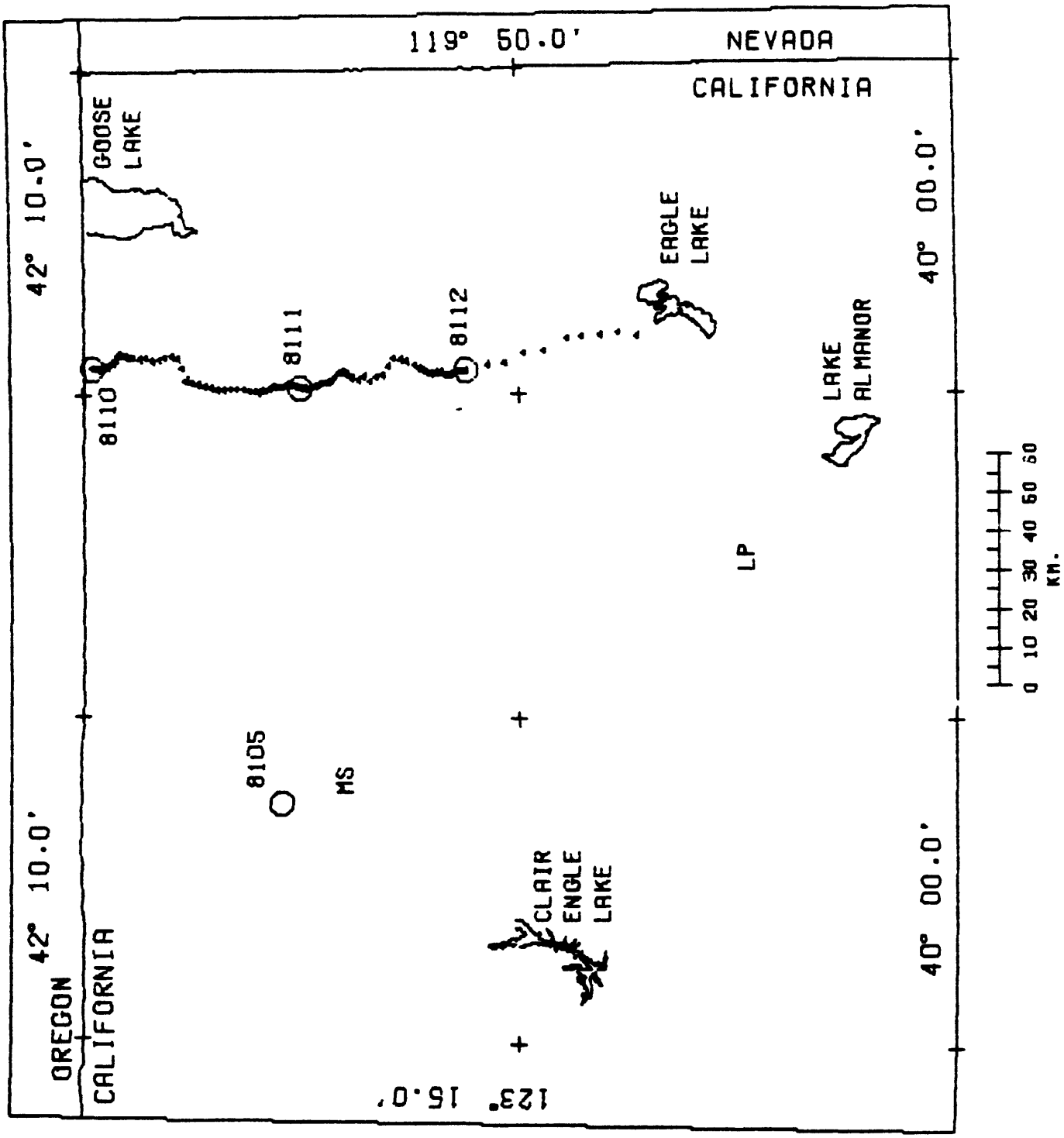

Figure 3f. Locations of shotpoints (circles) and recorders (triangles) for deployment 6, recorded in 1981.

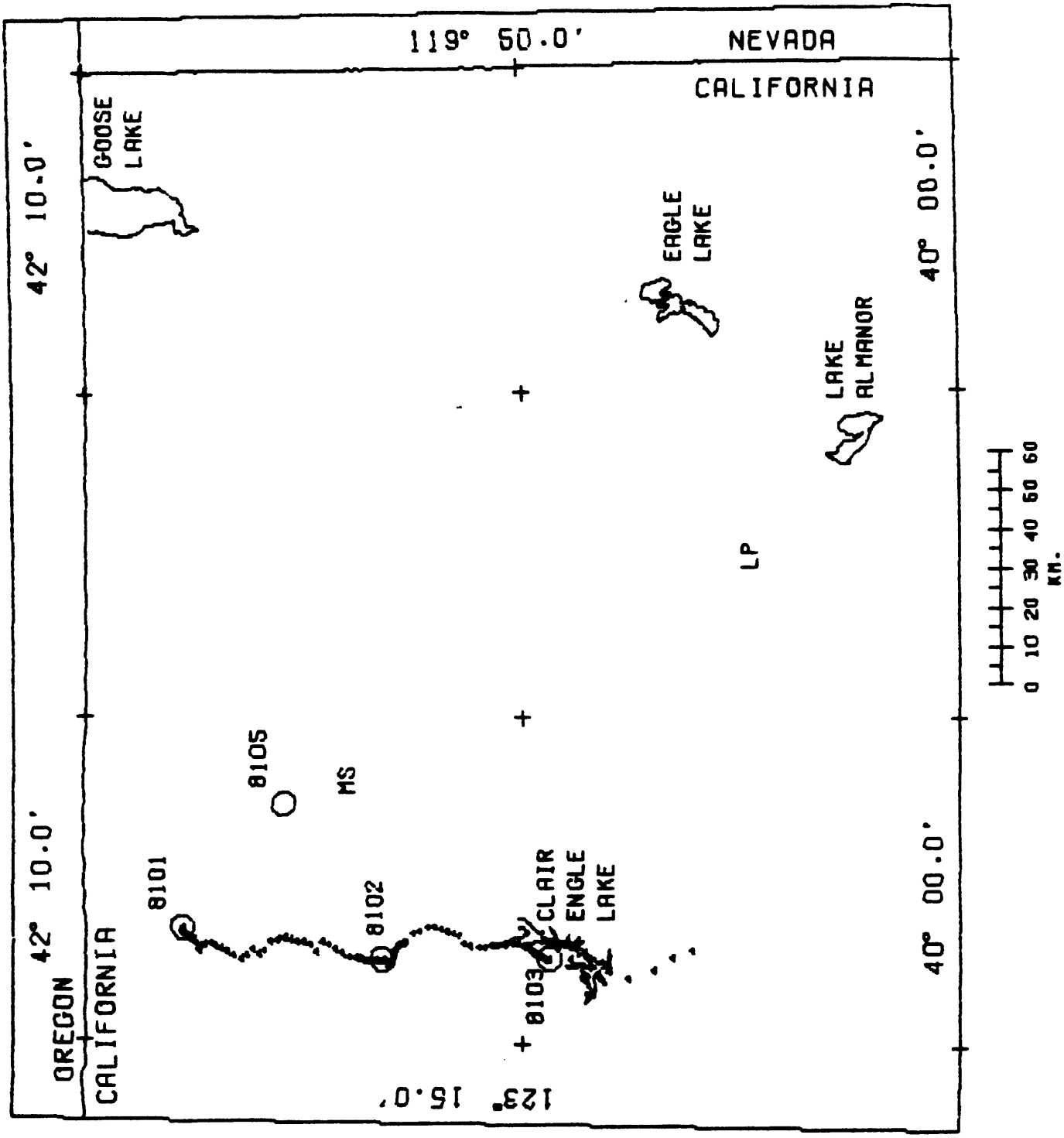

Figure 3g. Locations of shotpoints (circles) and recorders (triangles) for deployment 7, recorded in 1981.

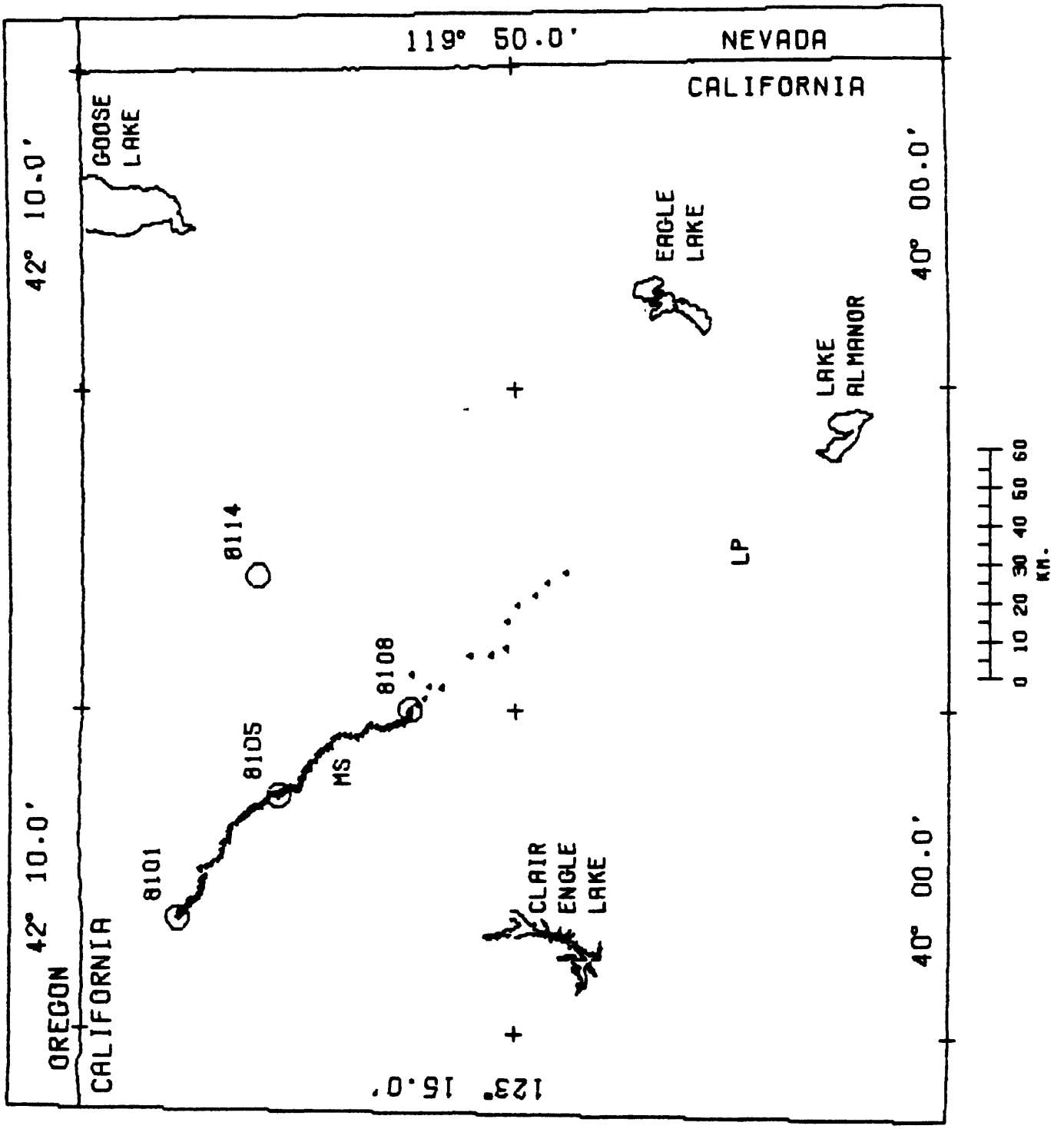

Figure 3h. Locations of shotpoints (circles) and recorders (triangles) for deployment 8, recorded in 1981.

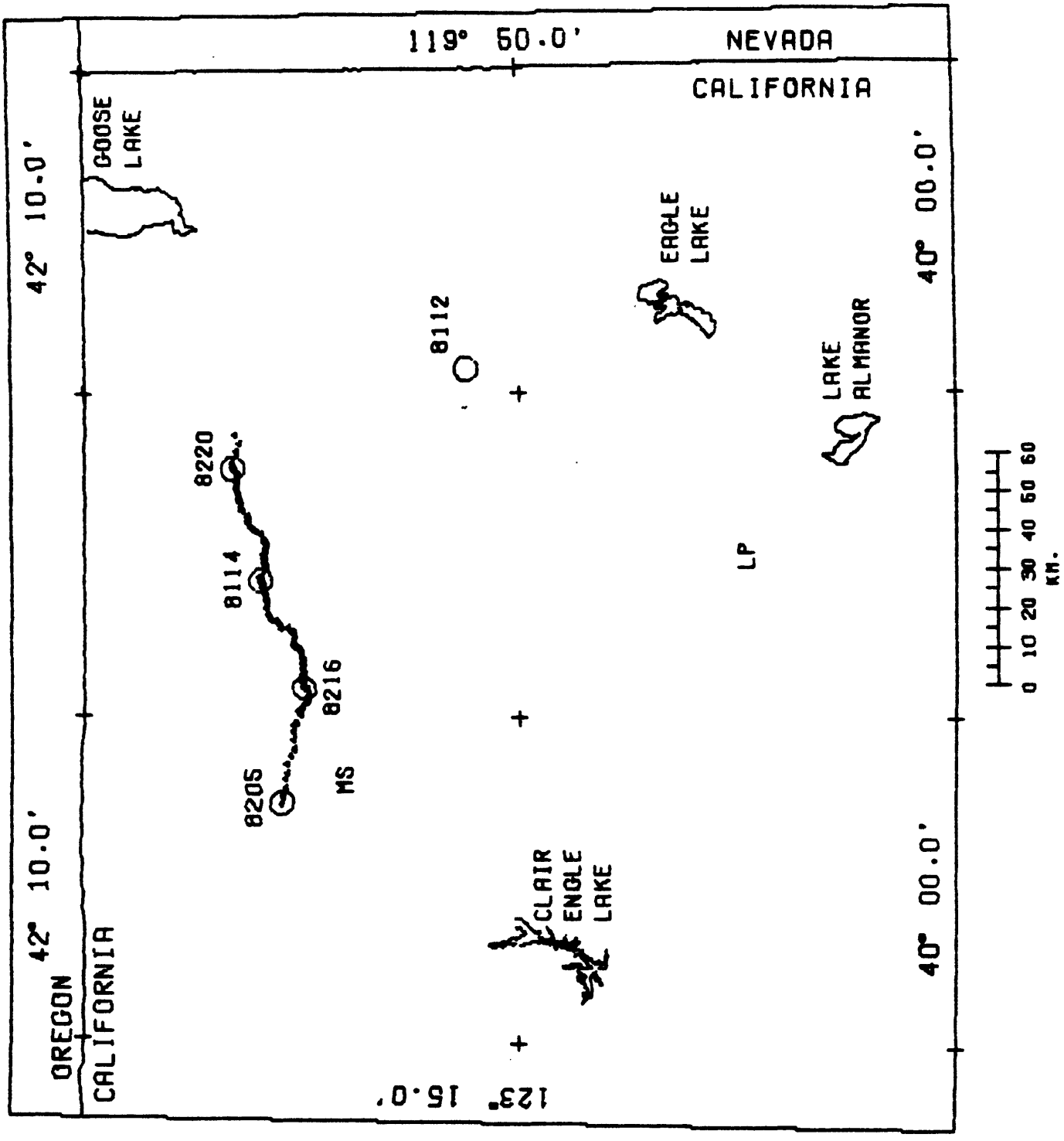

Figure 3i. Locations of shotpoints (circles) and recorders (triangles) for deployment 9, recorded in 1982.

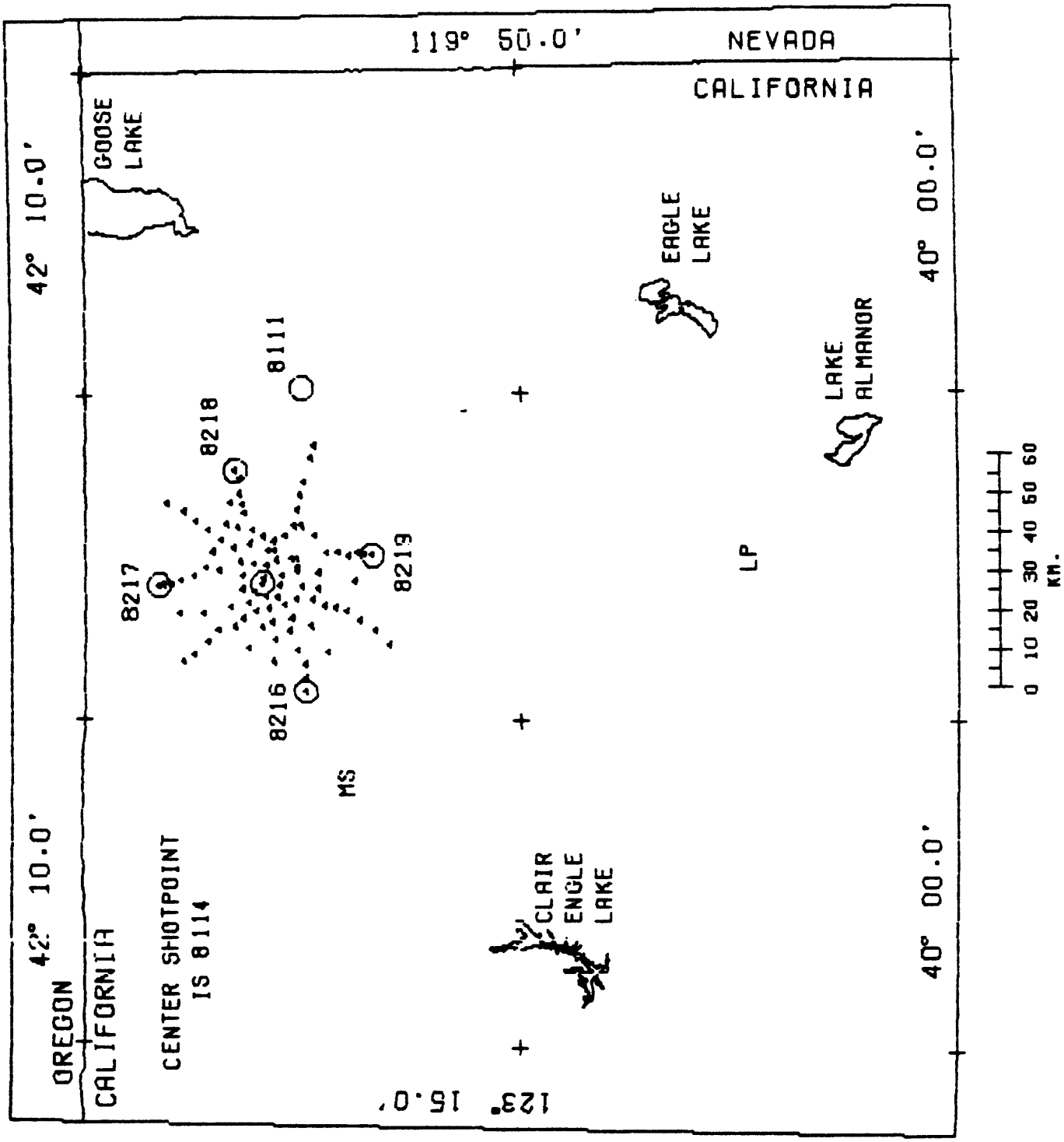

Figure 3j. Locations of shotpoints (circles) and recorders (triangles) for deployment 10, recorded in 1982.

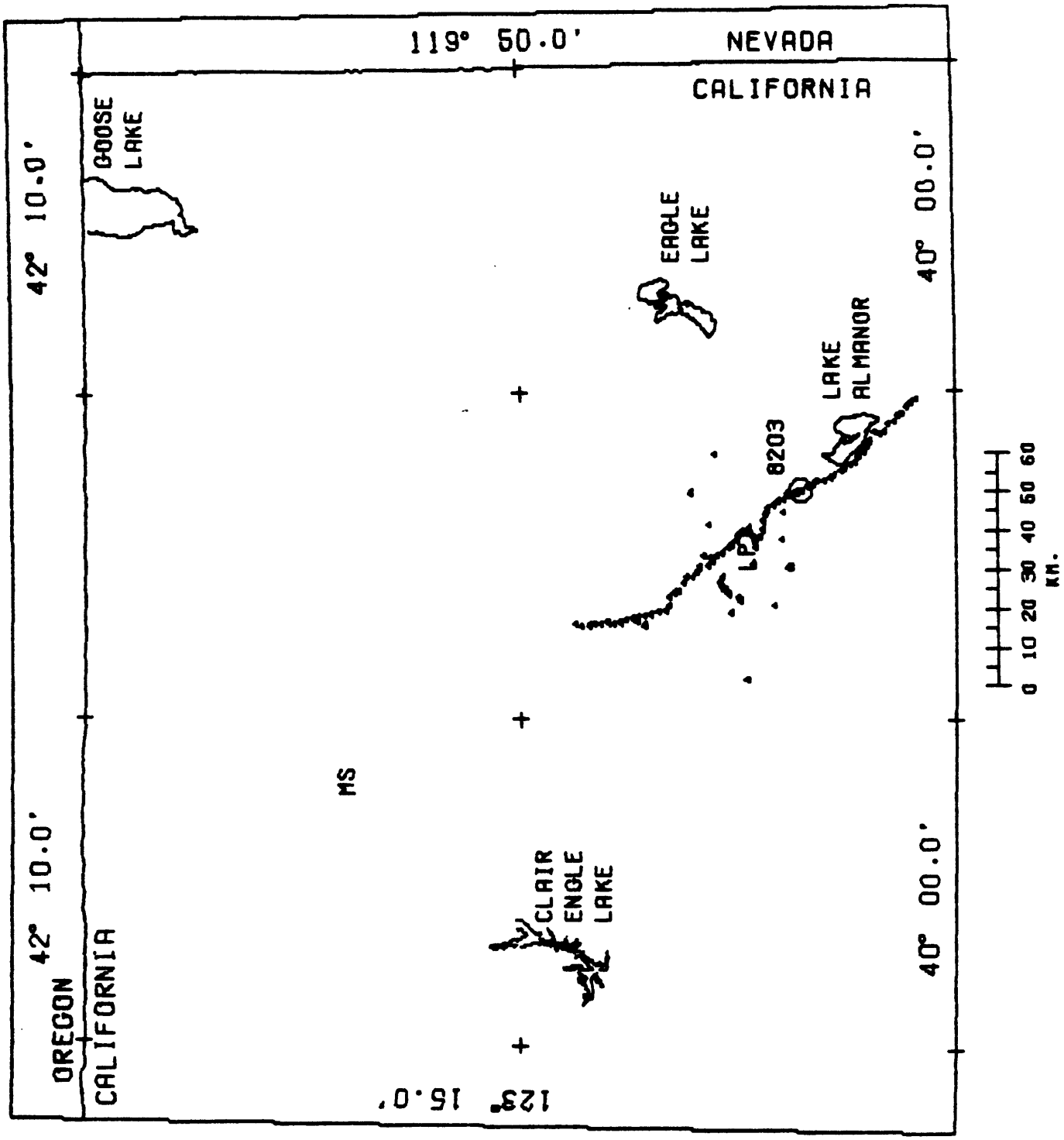

Figure 3k. Locations of shotpoint (circle) and recorders (triangles) for deployment 11, recorded in 1982.

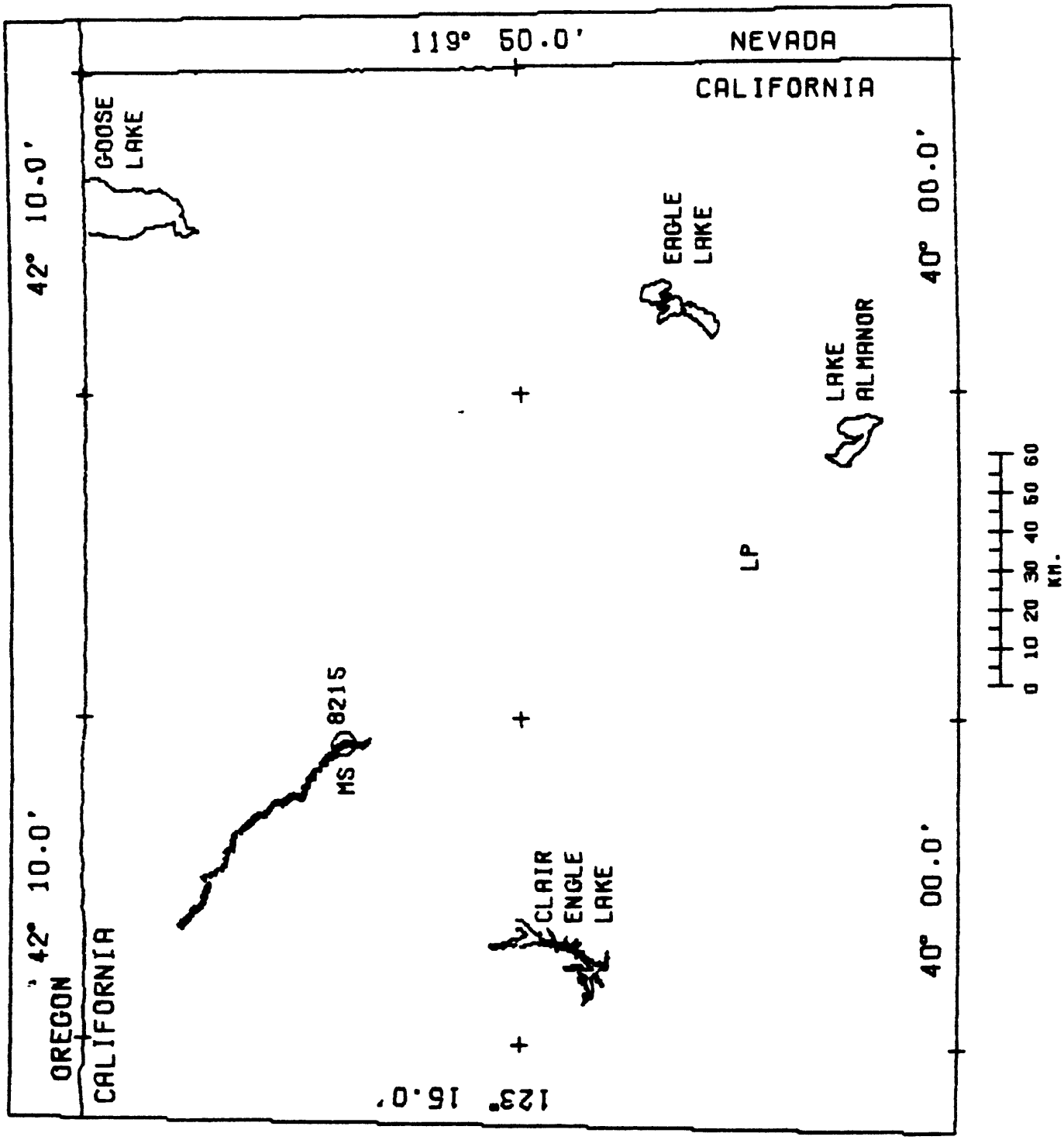

Figure 31. Locations of shotpoint (circle) and recorders (triangles) for deployment 12, recorded in 1982.

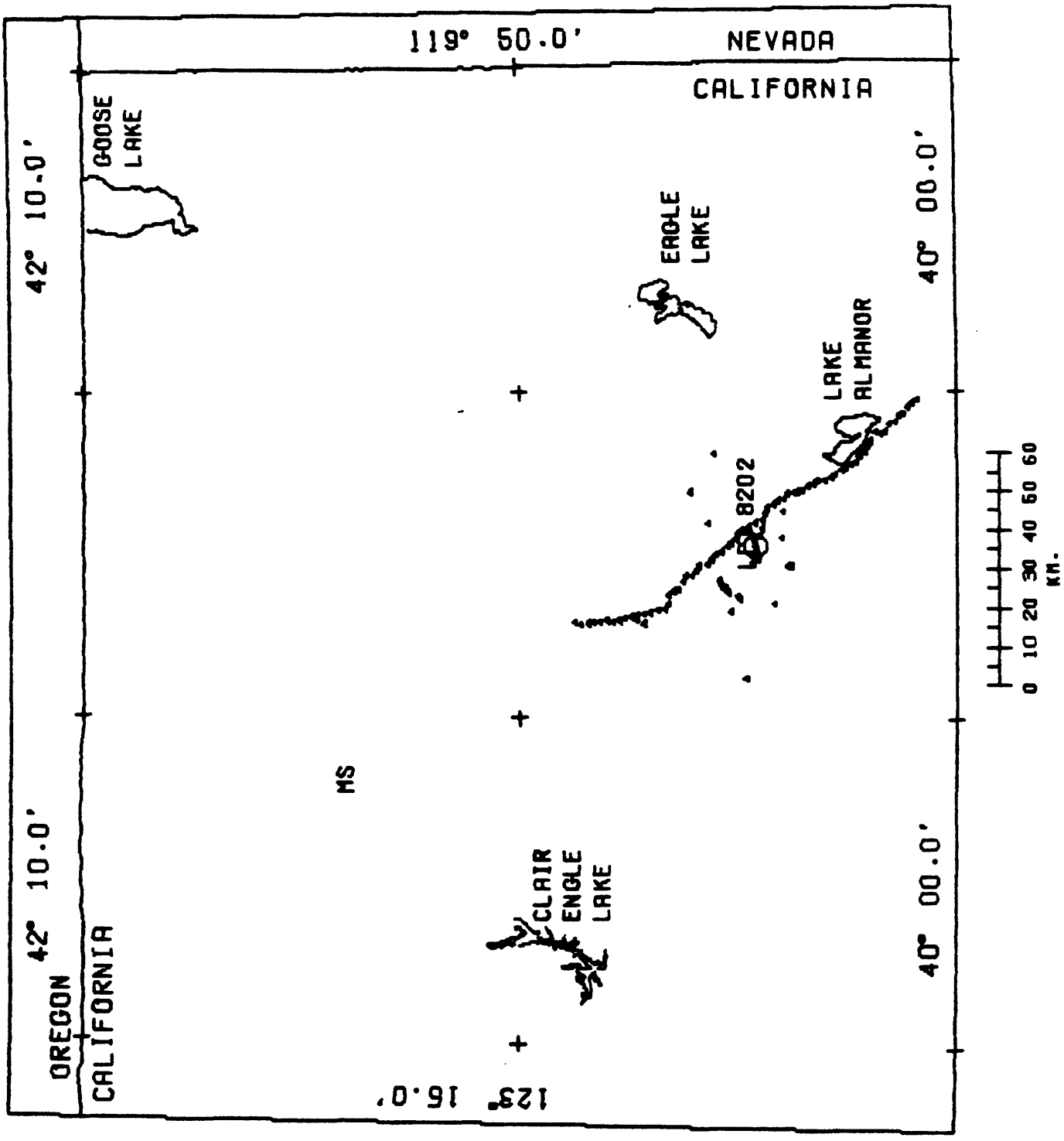

Figure 3m. Locations of shotpoint (circle) and recorders (triangles) for deployment 13, recorded in 1982.

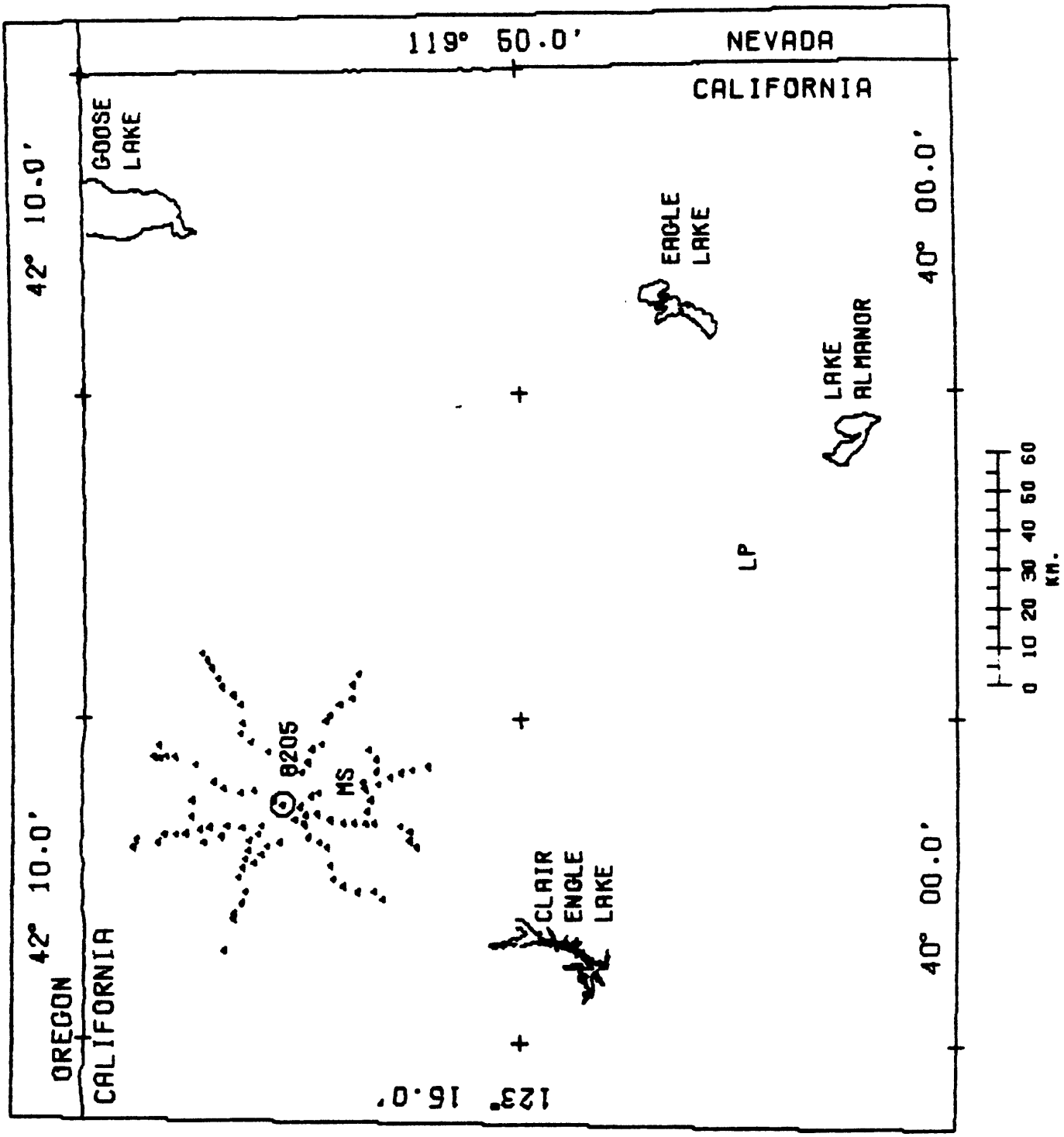

Figure 3n. Locations of shotpoint (circle) and recorders (triangles) for deployment 14, recorded in 1982.

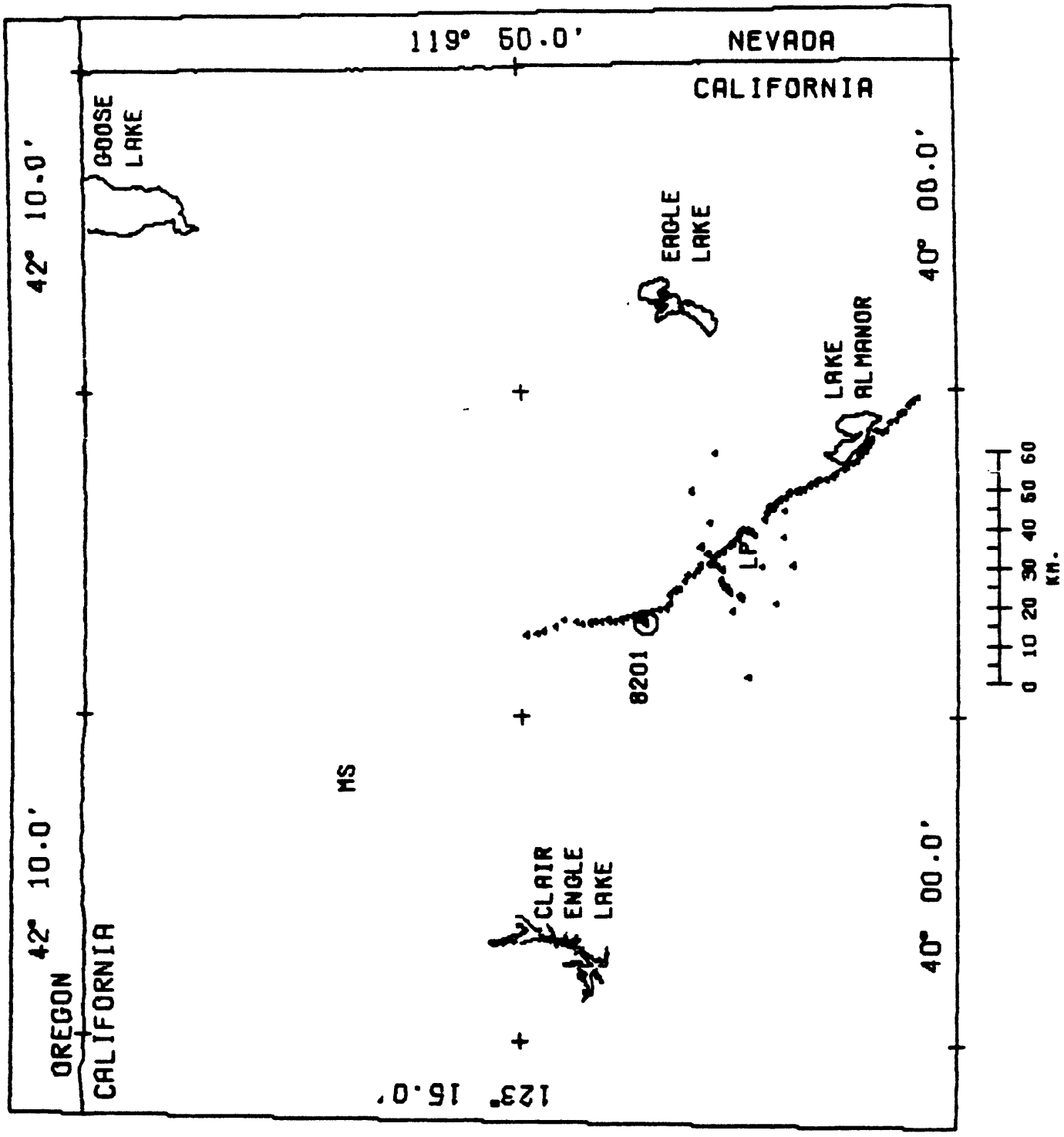

Figure 3o. Locations of shotpoint (circle) and recorders (triangles) for deployment 15, recorded in 1982.

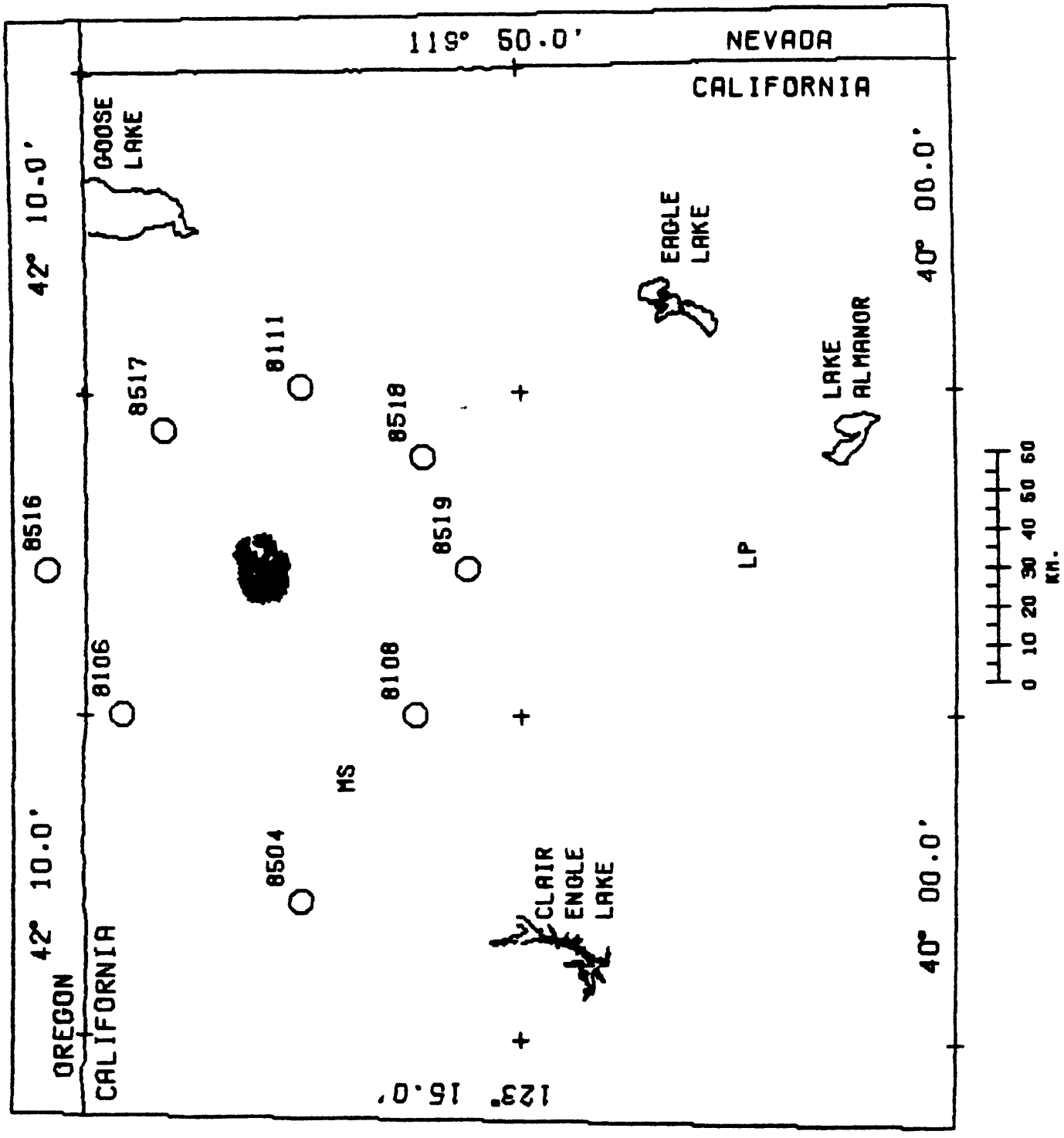

Figure 3p. Locations of shotpoints (circles) and recorders (triangles) for deployment 16, recorded in 1985.

TABLE 1
List of shots detonated during all surveys.

Shot No.	Shot Pt.	Depl. No.	Shot Time (Date Jul.Day:Hr:Min:Sec)	North Latitude (deg,min)	West Longitude (deg,min)	Size (kg)
7801	7801	1	Nov 21,1978 325:09:59:59.737	41 18.03	122 04.18	
7802	7802	1	Nov 21,1978 325:11:59:59.718	41 27.10	121 52.75	
7803	7803	1	Nov 21,1978 325:12:59:59.712	41 31.45	121 41.67	
8101	8199	2	Jun 22,1981 173:18:30:00.012	41 21.08	122 20.40	"huddle test"
8102	8112	3	Jun 25,1981 176:07:00:00.025	41 07.36	120 55.49	
8103	8105	3	Jun 25,1981 176:07:15:00.020	41 32.89	122 16.02	
8104	8106	3	Jun 25,1981 176:07:30:00.011	41 55.01	121 59.70	
8105	8109	3	Jun 26,1981 177:07:00:00.021	41 35.59	121 37.08	
8106	8105	4	Jun 30,1981 181:07:30:00.020	41 32.89	122 16.02	
8107	8114	4	Jun 30,1981 181:07:45:00.015	41 35.71	121 34.81	
8108	8102	4	Jun 30,1981 181:08:00:00.033	41 19.33	122 44.85	
8109	8113	4	Jun 1,1981 182:06:59:59.022	41 32.63	120 03.20	
8110	8111	4	Jun 1,1981 182:07:14:59.025	41 30.22	120 58.69	
8111	8102	5	Jul 9,1981 190:07:00:00.015	41 19.33	122 44.85	
8112	8114	5	Jul 9,1981 190:07:15:00.021	41 35.71	121 34.81	
8113	8113	5	Jul 9,1981 190:07:30:00.015	41 32.63	120 03.20	
8114	8105	5	Jul 9,1981 190:07:45:00.018	41 32.89	122 16.02	
8115	8104	5	Jul 9,1981 190:09:00:00.013	41 30.29	122 34.91	
8116	8110	6	Aug 13,1981 225:07:15:00.020	41 58.64	120 54.92	1814
8117	8112	6	Aug 13,1981 225:07:30:00.894	41 07.36	120 55.49	1814
8118	8105	6	Aug 13,1981 225:07:45:00.010	41 32.89	122 16.02	
8119	8111	6	Aug 13,1981 225:09:00:00.511	41 30.22	120 58.69	907
8120	8103	7	Aug 16,1981 228:10:30:00.015	40 56.37	122 44.36	1814
8121	8101	7	Aug 16,1981 228:10:45:00.012	41 46.81	122 38.98	1814
8122	8102	7	Aug 16,1981 228:11:00:00.018	41 19.33	122 44.85	925
8123	8105	7	Aug 16,1981 228:11:15:00.016	41 32.89	122 16.02	
8124	8114	8	Aug 20,1981 232:07:00:00.001	41 35.71	121 34.81	
8125	8105	8	Aug 20,1981 232:07:30:00.009	41 32.89	122 16.02	
8126	8108	8	Aug 20,1981 232:07:45:00.007	41 14.60	121 59.77	
8127	8101	8	Aug 21,1981 233:07:00:00.011	41 46.81	122 38.98	1361
8201	8216	9	Sep 18,1982 261:06:00:00.014	41 29.83	121 54.75	
8202	8220	9	Sep 18,1982 261:06:15:01.168	41 39.55	121 13.97	
8203	8112	9	Sep 18,1982 261:06:30:00.008	41 07.36	120 55.49	
8204	8114	9	Sep 18,1982 261:06:45:00.121	41 35.71	121 34.81	916
8205	8205	9	Sep 18,1982 261:08:00:00.014	41 32.87	122 16.01	
8206	8111	10	Sep 22,1982 265:06:00:00.008	41 30.22	120 58.69	925
8207	8218	10	Sep 22,1982 265:06:15:00.008	41 39.48	121 13.99	
8208	8114	10	Sep 22,1982 265:06:30:00.012	41 35.71	121 34.81	
8209	8219	10	Sep 22,1982 265:08:15:00.016	41 20.60	121 29.58	907
8210	8217	10	Sep 22,1982 265:08:30:00.015	41 49.93	121 35.17	
8211	8216	10	Sep 22,1982 265:08:45:00.010	41 29.83	121 54.75	
8212	8203	11	Oct 8,1982 281:06:30:00.007	40 21.34	121 18.26	
8213	8215	12	Oct 11,1982 284:11:00:00.011	41 24.46	122 04.94	
8214	8202	13	Oct 14,1982 287:06:30:00.016	40 27.61	121 28.40	
8215	8205	14	Oct 19,1982 292:11:00:00.004	41 32.87	122 16.01	
8216	8201	15	Nov 7,1982 311:07:30:00.008	40 42.92	121 42.58	925

Table 1, continued

Shot No.	Shot Pt.	Depl. No.	Shot Time (Date Jul.Day:Hr:Min:Sec)	North Latitude (deg,min)	West Longitude (deg,min)	Size (kg)
8501	8517	16	Sep 11,1985 255:06:30:00.012	41 49.15	121 06.61	
8502	8518	16	Sep 11,1985 255:06:34:00.009	41 13.53	121 11.81	
8503	8106	16	Sep 11,1985 255:06:36:00.009	41 55.01	121 59.70	
8504	8111	16	Sep 12,1985 255:08:45:00.013	41 30.22	120 58.69	
8505	8516	16	Sep 12,1985 255:08:47:00.010	42 05.30	121 32.75	
8506	8519	16	Sep 12,1985 255:08:49:00.009	41 07.40	121 32.81	
8507	8108	16	Sep 12,1985 255:08:51:00.008	41 14.60	121 59.77	
8508	8504	16	Sep 12,1985 255:11:00:00.008	41 30.31	122 34.74	
8509	8504	16	Sep 12,1985 255:11:02:00.000	41 30.31	122 34.74	

TABLE 2A
Seismic Recorder Locations for deployment 1, 1978

Loc	North Latitude (deg,min)	West Longitude (deg,min)
1	41 18.03	122 04.18
2	41 27.10	121 52.75
3	41 31.45	121 41.67
101	41 18.06	122 04.17
102	41 18.69	122 03.99
103	41 19.20	122 03.40
104	41 19.68	122 02.83
105	41 20.28	122 02.25
106	41 20.51	122 01.29
107	41 20.74	122 00.61
108	41 20.60	121 59.16
109	41 21.08	121 58.37
110	41 21.99	121 56.81
112	41 24.60	121 53.96
113	41 25.39	121 53.42
114	41 26.25	121 52.25
116	41 26.76	121 50.33
118	41 27.93	121 47.02
119	41 28.71	121 46.67
121	41 30.06	121 45.34
122	41 30.62	121 44.63
123	41 30.73	121 43.73
125	41 31.25	121 42.23
126	41 31.44	121 41.68
127	41 32.95	121 42.04
128	41 34.60	121 42.86
130	41 38.24	121 36.22
131	41 39.68	121 35.22
132	41 41.11	121 32.63
133	41 40.69	121 26.42
134	41 40.10	121 23.14
135	41 39.87	121 19.02
136	41 42.41	121 16.49
138	41 46.89	121 11.41
140	41 49.81	121 04.37
141	41 44.02	121 14.73
161	41 15.75	121 48.67
162	41 16.72	121 46.82
163	41 19.13	121 46.68
164	41 20.91	121 47.09
165	41 22.41	121 46.99
166	41 23.55	121 47.47
167	41 24.24	121 47.59
168	41 25.25	121 47.31
169	41 25.88	121 46.90
171	41 27.17	121 50.86
172	41 27.83	121 51.05
173	41 28.36	121 51.69
174	41 29.27	121 52.25
175	41 30.05	121 53.47
176	41 31.24	121 54.07
177	41 32.46	121 54.63
178	41 33.90	121 54.88
179	41 34.77	121 56.47
180	41 35.61	121 57.42

TABLE 2B
Seismic Recorder Locations for deployments 2-8, 1981

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
1	41 46.81	122 38.98	
2	41 19.33	122 44.85	
3	40 56.37	122 44.36	
4	41 30.29	122 34.91	
5	41 32.89	122 16.02	
6	41 55.01	121 59.70	
8	41 14.60	121 59.77	
9	41 35.59	121 37.08	
10	41 58.64	120 54.92	
11	41 30.22	120 58.69	
12	41 07.36	120 55.49	
13	41 32.63	120 03.20	1374
14	41 35.71	121 34.81	
91	41 21.16	122 20.37	
92	41 21.16	122 20.37	1182
93	41 21.16	122 20.37	1182
94	41 21.16	122 20.37	1182
95	41 21.16	122 20.37	1182
99	41 21.08	122 20.40	1182
101	41 25.09	121 22.29	1350
102	41 24.29	121 21.46	1353
103	41 23.77	121 20.96	1331
104	41 24.14	121 19.49	1335
105	41 23.95	121 18.55	1321
106	41 23.23	121 18.41	1316
107	41 22.85	121 17.91	1310
108	41 22.23	121 17.29	1316
109	41 21.80	121 16.24	1298
110	41 21.10	121 15.58	1298
111	41 20.25	121 15.40	1304
112	41 20.09	121 14.39	1310
113	41 20.20	121 13.59	1328
114	41 19.59	121 12.95	1310
115	41 19.41	121 12.18	1304
116	41 18.73	121 11.92	1286
117	41 18.21	121 11.63	1292
118	41 17.12	121 11.29	1286
119	41 16.28	121 11.34	1286
120	41 16.66	121 08.87	1280
122	41 07.06	120 56.36	1322
123	41 07.80	120 57.19	1335
124	41 07.98	120 57.63	1310
125	41 08.16	120 57.62	1310
126	41 08.82	120 57.64	1295
127	41 09.09	120 58.04	1295
128	41 09.44	120 58.56	1286
129	41 10.01	120 59.55	1286
130	41 10.11	121 00.49	1310
131	41 10.98	121 01.64	1267
132	41 12.31	121 01.64	1274
133	41 12.74	121 02.93	1274
134	41 12.73	121 03.96	1267
135	41 12.94	121 05.55	1267
136	41 13.71	121 06.23	1267
137	41 14.48	121 06.22	1267
138	41 15.26	121 06.50	1274
139	41 16.12	121 06.23	1286
140	41 16.15	121 08.49	1274
141	41 35.58	121 37.11	2060
142	41 35.78	121 38.19	2139
143	41 35.73	121 39.09	2087
144	41 35.80	121 39.68	2060
145	41 35.92	121 40.54	1962
146	41 37.01	121 40.70	1822
147	41 37.48	121 41.36	1722
148	41 38.26	121 41.23	1694
149	41 38.87	121 41.89	1652
150	41 39.46	121 42.74	1530
151	41 40.15	121 43.23	1499
152	41 41.02	121 43.34	1463
153	41 41.85	121 43.37	1450
154	41 41.70	121 45.55	1481
155	41 42.47	121 45.21	1493
156	41 43.24	121 45.58	1456
157	41 44.02	121 45.60	1414
158	41 44.44	121 46.71	1341
159	41 45.05	121 47.90	1335
160	41 45.92	121 49.06	1328
161	41 35.48	121 36.76	2060
162	41 35.30	121 36.59	2048
163	41 34.67	121 35.31	2036
164	41 34.43	121 34.80	2054
165	41 34.04	121 34.54	2048
166	41 33.50	121 34.36	2078
167	41 33.23	121 33.85	2011
168	41 32.85	121 33.21	1950
169	41 32.17	121 32.38	1950
170	41 31.50	121 31.19	1725
171	41 31.08	121 30.19	1688
172	41 30.28	121 29.69	1591
173	41 29.29	121 28.94	1499
174	41 28.64	121 28.45	1481
175	41 28.39	121 26.81	1386
176	41 28.43	121 25.13	1344
177	41 27.47	121 24.19	1316
178	41 27.22	121 23.18	1328
179	41 26.33	121 22.78	1341
180	41 25.76	121 22.25	1345
181	41 46.64	121 49.07	1328
182	41 47.40	121 49.33	1383

Table 2B, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
183	41 48.20	121 49.85	1493
184	41 49.30	121 49.53	1426
185	41 50.07	121 51.19	1347
186	41 50.30	121 51.89	1359
187	41 50.67	121 52.60	1341
188	41 51.04	121 53.95	1292
189	41 51.30	121 55.03	1292
190	41 51.93	121 55.43	1292
191	41 51.97	121 56.17	1292
192	41 51.97	121 56.86	1292
193	41 52.58	121 57.35	1292
194	41 52.98	121 57.37	1292
195	41 53.55	121 57.15	1292
196	41 53.70	121 57.99	1292
197	41 54.04	121 58.52	1292
198	41 54.15	121 59.69	1292
199	41 54.58	121 59.70	1292
200	41 55.02	121 59.73	1292
201	41 28.47	120 44.26	1341
202	41 28.99	120 42.83	1383
203	41 29.53	120 41.72	1322
204	41 29.43	120 40.51	1353
205	41 29.21	120 39.15	1347
206	41 29.22	120 37.99	1335
207	41 29.65	120 36.88	1322
208	41 29.83	120 35.63	1322
209	41 30.02	120 34.35	1331
210	41 30.06	120 32.89	1350
211	41 30.45	120 31.14	1350
212	41 30.55	120 30.07	1344
213	41 30.90	120 29.00	1347
214	41 31.80	120 28.08	1347
215	41 32.42	120 26.94	1383
216	41 33.02	120 25.76	1456
217	41 33.67	120 24.50	1505
218	41 33.74	120 23.12	1542
219	41 33.53	120 21.87	1591
220	41 33.32	120 20.58	1609
221	41 33.65	120 19.37	1670
222	41 33.58	120 18.18	1755
223	41 33.61	120 17.32	1822
224	41 33.79	120 16.14	1920
225	41 33.27	120 15.16	1822
226	41 32.72	120 14.37	1731
227	41 32.19	120 13.58	1652
228	41 32.06	120 12.83	1560
229	41 31.95	120 12.15	1505
230	41 31.69	120 11.19	1463
231	41 31.77	120 09.87	1411
232	41 31.77	120 09.10	1380
233	41 31.35	120 08.50	1371
234	41 31.77	120 07.73	1362
235	41 32.18	120 06.31	1362
236	41 32.30	120 05.73	1365
237	41 32.40	120 05.15	1366
238	41 32.49	120 04.57	1371
239	41 32.62	120 03.80	1374
240	41 32.64	120 03.25	1374
241	41 30.76	121 19.92	1298
242	41 30.61	121 18.61	1298
243	41 30.32	121 17.38	1310
244	41 30.01	121 16.12	1328
245	41 29.60	121 15.14	1365
246	41 29.38	121 13.97	1402
247	41 29.30	121 12.74	1420
248	41 29.08	121 11.75	1432
249	41 28.80	121 10.50	1432
250	41 28.57	121 09.43	1432
251	41 28.65	121 08.23	1456
252	41 28.90	121 07.30	1456
253	41 29.19	121 06.20	1444
254	41 29.55	121 05.04	1469
255	41 29.69	121 03.83	1481
256	41 29.52	121 02.59	1481
257	41 29.63	121 01.98	1487
258	41 29.69	121 01.40	1487
259	41 29.79	121 00.88	1481
260	41 29.90	121 00.36	1481
261	41 29.90	120 59.78	1505
262	41 29.92	120 59.19	1517
263	41 30.20	120 58.66	1514
264	41 30.25	120 58.17	1520
265	41 30.12	120 57.62	1514
266	41 29.86	120 57.20	1516
267	41 29.61	120 56.60	1516
268	41 29.22	120 56.04	1514
269	41 29.01	120 55.67	1514
270	41 28.55	120 55.25	1487
271	41 28.24	120 54.96	1420
272	41 27.59	120 54.26	1322
273	41 27.70	120 52.76	1322
274	41 27.23	120 52.21	1310
275	41 27.05	120 51.13	1310
276	41 27.25	120 49.77	1322
277	41 27.21	120 48.52	1322
278	41 27.34	120 47.51	1316
279	41 27.69	120 46.23	1322
280	41 27.94	120 45.23	1322
281	41 35.48	121 36.76	2060
282	41 35.39	121 36.44	2042

Table 2B, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
283	41 35.39	121 36.04	2048
284	41 35.29	121 35.55	2048
285	41 35.44	121 35.12	2054
286	41 35.65	121 34.84	2054
287	41 35.74	121 34.17	2048
288	41 35.47	121 33.36	2066
289	41 35.18	121 32.90	2133
290	41 34.98	121 32.26	2145
291	41 35.42	121 31.18	2164
292	41 34.72	121 29.96	2133
293	41 34.03	121 28.69	1749
294	41 35.11	121 27.58	1603
295	41 34.20	121 27.05	1591
296	41 34.75	121 25.27	1444
297	41 34.23	121 24.73	1420
298	41 31.37	121 24.33	1335
299	41 30.70	121 22.86	1298
300	41 30.94	121 21.28	1298
301	41 29.70	122 24.10	914
302	41 29.44	122 25.37	890
303	41 29.27	122 26.59	890
304	41 28.78	122 28.41	890
305	41 28.77	122 29.49	914
306	41 29.39	122 30.34	890
307	41 30.26	122 30.87	865
308	41 30.54	122 31.95	890
309	41 30.32	122 32.61	896
310	41 30.21	122 33.45	914
311	41 30.18	122 34.03	938
312	41 30.22	122 34.89	963
313	41 28.97	122 34.25	950
314	41 28.31	122 35.24	987
315	41 27.93	122 36.36	1036
316	41 27.51	122 37.47	1085
317	41 26.91	122 38.39	1231
318	41 26.23	122 38.35	1511
319	41 25.16	122 37.96	1450
320	41 24.15	122 38.10	1328
321	41 32.88	122 16.05	1103
322	41 32.90	122 15.37	1152
323	41 32.76	122 14.78	1188
324	41 32.62	122 13.70	1286
325	41 33.00	122 13.19	1292
326	41 33.37	122 12.66	1328
327	41 33.81	122 12.20	1353
328	41 34.22	122 11.79	1408
329	41 34.44	122 10.63	1517
330	41 34.45	122 09.77	1615
331	41 32.59	122 16.27	1078
332	41 32.36	122 16.71	1078
333	41 32.09	122 17.41	1066
334	41 31.65	122 17.87	1066
335	41 31.19	122 18.44	1054
336	41 31.42	122 19.14	1011
337	41 31.59	122 20.10	957
338	41 31.75	122 21.18	896
339	41 31.28	122 22.31	859
340	41 30.36	122 23.32	859
341	41 23.93	122 39.67	1255
342	41 23.49	122 40.35	1231
343	41 22.87	122 41.25	1182
344	41 22.44	122 42.76	1158
345	41 21.91	122 42.94	1133
346	41 21.43	122 43.26	1133
347	41 21.07	122 43.98	1194
348	41 21.13	122 44.45	1097
349	41 20.76	122 44.95	1072
350	41 20.30	122 44.86	1036
351	41 19.65	122 45.01	1048
352	41 19.35	122 44.91	1024
353	41 18.42	122 47.50	963
354	41 17.60	122 49.95	1097
355	41 15.94	122 52.94	1304
356	41 13.78	122 56.31	1658
357	41 13.57	122 59.60	1353
358	41 12.58	123 03.42	975
359	41 10.69	123 05.06	816
361	41 35.21	121 37.16	2048
362	41 34.99	121 37.66	2057
363	41 34.97	121 38.31	2109
364	41 34.81	121 38.78	2115
365	41 34.86	121 39.32	2113
366	41 34.92	121 39.91	2039
367	41 34.77	121 40.41	1980
368	41 34.60	121 41.32	1978
369	41 34.27	121 42.06	1950
370	41 34.64	121 42.82	1950
371	41 34.65	121 43.85	1975
372	41 34.05	121 44.24	1944
373	41 34.06	121 45.29	1871
374	41 33.57	121 46.34	1853
375	41 34.00	121 47.28	1810
376	41 34.09	121 48.14	1828
377	41 34.25	121 49.16	1792
378	41 34.19	121 50.19	1764
381	41 34.58	122 09.01	1676
382	41 34.25	122 07.83	1749
383	41 33.64	122 07.41	1798
384	41 33.32	122 06.67	1859
385	41 32.92	122 05.96	1975

Table 2B, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
386	41 32.41	122 05.16	2066
387	41 31.23	122 04.34	1670
388	41 32.51	122 02.84	1554
389	41 32.30	122 01.96	1645
390	41 31.90	122 01.22	1682
391	41 31.35	122 00.49	1712
392	41 34.70	121 53.11	1481
393	41 34.64	121 54.09	1481
394	41 34.56	121 54.87	1475
395	41 34.55	121 55.74	1481
396	41 34.10	121 56.12	1493
397	41 34.06	121 57.06	1511
398	41 33.34	121 57.68	1792
399	41 32.71	121 58.36	1926
400	41 32.04	121 58.90	1981
401	41 58.69	120 54.95	1554
402	41 58.56	120 54.84	1554
403	41 58.28	120 54.93	1554
404	41 57.93	120 55.06	1554
405	41 57.52	120 54.95	1560
406	41 57.09	120 54.78	1554
407	41 56.58	120 54.68	1554
408	41 56.19	120 54.17	1524
409	41 55.75	120 53.90	1493
410	41 55.34	120 53.37	1493
411	41 54.94	120 52.50	1487
412	41 54.49	120 52.65	1487
413	41 53.96	120 52.76	1481
414	41 53.53	120 53.00	1499
415	41 53.00	120 53.01	1536
416	41 52.07	120 53.22	1524
417	41 51.26	120 53.05	1505
418	41 50.39	120 53.52	1481
419	41 49.49	120 53.49	1484
420	41 48.65	120 53.10	1498
421	41 23.85	120 56.22	1304
422	41 23.08	120 56.87	1383
423	41 22.11	120 57.25	1438
424	41 21.39	120 56.58	1463
425	41 24.31	120 55.70	1304
426	41 20.51	120 57.54	1554
427	41 19.73	120 56.67	1566
428	41 18.87	120 56.51	1524
429	41 18.11	120 54.74	1395
430	41 17.33	120 53.39	1383
431	41 16.32	120 53.62	1347
432	41 15.51	120 53.91	1322
433	41 14.53	120 54.61	1301
434	41 12.70	120 55.96	1286
435	41 13.78	120 55.15	1286
436	41 24.82	120 55.90	1347
437	41 13.38	120 55.43	1286
438	41 13.09	120 55.65	1286
439	41 12.18	120 56.22	1292
440	41 25.34	120 56.66	1383
441	41 47.65	120 52.79	1514
442	41 46.92	120 53.21	1536
443	41 46.42	120 54.96	1502
444	41 45.74	120 57.11	1475
445	41 44.96	120 57.61	1484
446	41 44.03	120 57.95	1487
447	41 43.16	120 58.33	1508
448	41 42.26	120 58.60	1536
449	41 41.40	120 58.99	1511
450	41 40.52	120 59.05	1499
451	41 39.68	120 58.90	1505
452	41 38.80	120 58.83	1517
453	41 37.87	120 58.91	1539
454	41 37.06	120 59.19	1545
455	41 36.33	120 59.32	1545
456	41 35.91	120 59.48	1554
457	41 35.40	120 59.15	1560
458	41 34.83	120 59.24	1533
459	41 34.28	120 58.89	1539
460	41 33.80	120 58.45	1539
461	41 33.43	120 58.50	1539
462	41 33.01	120 58.54	1533
463	41 32.47	120 58.46	1530
464	41 31.90	120 58.06	1520
465	41 31.47	120 58.17	1520
466	41 31.04	120 58.25	1517
467	41 30.63	120 58.42	1514
468	41 30.20	120 58.66	1511
469	41 29.94	120 58.69	1517
470	41 29.43	120 58.77	1514
471	41 29.01	120 58.94	1548
472	41 28.49	120 58.56	1548
473	41 27.99	120 58.36	1591
474	41 27.52	120 58.05	1554
475	41 27.07	120 57.76	1517
476	41 26.53	120 57.77	1493
477	41 26.12	120 57.58	1481
478	41 25.68	120 57.55	1481
481	41 11.60	120 55.90	1335
482	41 11.27	120 56.00	1286
483	41 10.80	120 55.87	1298
484	41 10.32	120 56.50	1295
485	41 09.88	120 56.48	1298
486	41 09.47	120 56.45	1304
487	41 09.06	120 55.96	1310

Table 2B, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
488	41 08.62	120 55.73	1322
489	41 08.24	120 55.65	1322
490	41 07.87	120 55.63	1322
491	41 07.35	120 55.55	1347
492	41 04.36	120 54.48	1426
493	41 01.96	120 54.25	1524
494	40 59.29	120 52.34	1749
495	40 56.56	120 52.08	1737
496	40 53.36	120 49.73	1776
497	40 51.35	120 49.40	1761
498	40 48.79	120 49.17	1731
499	40 46.36	120 48.65	1871
500	40 43.68	120 49.35	1755
501	41 46.78	122 39.00	963
502	41 46.88	122 39.55	1085
503	41 46.84	122 40.00	1121
504	41 46.61	122 40.25	1194
505	41 46.22	122 40.39	1255
506	41 45.88	122 40.87	1341
507	41 45.61	122 41.21	1316
508	41 45.19	122 41.38	1414
509	41 44.84	122 41.92	1536
510	41 44.48	122 42.97	1584
511	41 44.30	122 43.34	1414
512	41 44.09	122 42.42	1170
513	41 43.64	122 42.15	963
514	41 42.80	122 41.89	987
515	41 42.21	122 42.49	1182
516	41 41.38	122 42.96	1365
517	41 40.58	122 43.60	1267
518	41 39.72	122 44.12	1109
519	41 38.73	122 44.76	975
520	41 37.95	122 44.11	926
521	41 21.49	122 45.09	1085
522	41 21.13	122 45.06	1085
523	41 20.79	122 44.97	1072
524	41 20.52	122 45.03	1060
525	41 20.29	122 44.89	1036
526	41 20.06	122 45.03	1036
527	41 19.72	122 45.05	1048
528	41 19.39	122 44.91	1024
529	41 19.20	122 44.81	1024
530	41 18.85	122 45.09	1011
531	41 18.57	122 45.91	987
532	41 18.17	122 45.29	1060
533	41 17.95	122 44.63	1097
534	41 17.68	122 43.94	1219
535	41 17.40	122 42.95	1499
536	41 17.02	122 42.10	1560
537	41 16.58	122 41.82	1633
538	41 16.29	122 41.62	1609
539	41 15.97	122 41.52	1572
540	41 15.14	122 39.91	1292
541	41 14.32	122 39.48	1133
542	41 13.19	122 38.77	963
543	41 12.28	122 38.70	938
544	41 11.37	122 39.14	890
545	41 10.45	122 39.62	890
546	41 09.65	122 39.87	853
547	41 08.82	122 40.18	841
548	41 08.07	122 41.67	829
549	41 07.19	122 42.21	792
550	41 06.01	122 42.36	768
551	41 05.19	122 42.37	743
552	41 04.24	122 42.06	743
553	41 03.50	122 42.12	719
554	41 02.38	122 41.95	719
555	41 01.45	122 41.56	755
556	41 00.65	122 41.57	780
557	40 59.86	122 42.12	731
558	40 59.35	122 42.34	762
559	40 59.01	122 42.41	769
560	40 58.72	122 43.21	822
561	40 58.52	122 43.36	838
562	40 58.23	122 43.62	868
563	40 57.83	122 43.54	899
564	40 57.56	122 43.90	929
565	40 57.07	122 44.38	960
566	40 56.84	122 44.63	914
567	40 56.58	122 44.54	899
568	40 56.38	122 44.40	899
569	40 53.49	122 44.40	1036
570	40 50.76	122 45.75	944
571	40 48.05	122 46.53	777
572	40 45.54	122 47.94	777
573	40 42.04	122 46.37	914
574	40 39.49	122 44.00	914
575	40 36.74	122 42.65	1432
581	41 37.03	122 43.13	975
582	41 36.25	122 43.96	1011
583	41 35.43	122 43.29	1060
584	41 34.57	122 41.58	1060
585	41 33.61	122 41.30	1085
586	41 32.68	122 40.82	1085
587	41 31.85	122 41.17	1109
588	41 30.99	122 41.52	1158
589	41 30.08	122 41.54	1207
590	41 29.13	122 42.14	1255
591	41 28.28	122 43.48	1584
592	41 27.41	122 41.57	1328

Table 2B, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
593	41 26.62	122 41.99	1255
594	41 25.65	122 42.89	1194
595	41 24.77	122 43.70	1158
596	41 23.90	122 44.26	1133
597	41 22.93	122 44.43	1121
598	41 22.55	122 44.50	1109
599	41 22.19	122 44.72	1097
600	41 21.79	122 45.03	1085
601	41 14.58	121 59.81	1085
602	41 14.63	122 00.39	1060
603	41 14.76	122 00.94	1060
604	41 14.92	122 01.44	1021
605	41 15.30	122 01.75	1036
606	41 15.70	122 02.38	1036
607	41 16.20	122 02.35	1060
608	41 13.58	121 58.92	1231
609	41 12.65	121 57.72	1304
610	41 12.08	121 55.39	1377
611	41 10.36	121 55.58	1670
612	41 14.37	121 53.26	1194
613	41 06.36	121 49.64	1304
614	41 03.49	121 49.47	1097
615	41 01.34	121 48.26	1243
616	41 01.27	121 43.21	963
617	40 59.78	121 40.18	1121
618	40 57.33	121 38.31	944
619	40 55.54	121 35.91	957
620	40 52.99	121 34.02	969
621	41 34.52	122 16.76	1011
622	41 34.89	122 17.35	969
623	41 35.19	122 17.81	950
624	41 35.58	122 18.07	932
625	41 36.13	122 18.12	932
626	41 36.38	122 18.45	920
627	41 36.74	122 18.77	926
628	41 37.10	122 19.18	920
629	41 37.46	122 19.57	914
630	41 37.75	122 19.91	896
631	41 38.19	122 20.29	877
632	41 38.71	122 21.22	859
633	41 39.48	122 21.83	847
634	41 39.59	122 22.56	841
635	41 39.61	122 23.47	822
636	41 39.64	122 24.44	810
637	41 40.39	122 24.88	829
638	41 40.70	122 26.14	810
639	41 40.82	122 27.29	810
640	41 41.25	122 28.18	798
641	41 27.47	122 08.41	2048
642	41 27.94	122 09.59	2060
643	41 28.56	122 09.99	1999
644	41 28.52	122 10.88	2036
645	41 29.02	122 11.02	1840
646	41 29.32	122 11.53	1719
647	41 29.37	122 12.62	1645
648	41 29.82	122 12.93	1548
649	41 29.90	122 13.74	1450
650	41 30.07	122 14.45	1432
651	41 30.38	122 14.89	1395
652	41 30.90	122 14.73	1335
653	41 31.53	122 14.47	1261
654	41 31.96	122 14.73	1225
655	41 32.29	122 15.15	1188
656	41 32.61	122 15.50	1213
657	41 32.88	122 16.04	1103
658	41 33.22	122 15.70	1115
659	41 33.71	122 15.70	1091
660	41 34.17	122 16.05	1060
661	41 16.65	122 02.54	1060
662	41 17.03	122 02.67	1072
663	41 17.45	122 02.99	1109
664	41 17.84	122 03.18	1133
665	41 18.38	122 03.47	1158
666	41 18.92	122 03.47	1219
667	41 19.47	122 03.00	1255
668	41 20.20	122 02.85	1304
669	41 20.77	122 03.65	1426
670	41 21.32	122 04.57	1548
671	41 22.06	122 05.12	1670
672	41 23.00	122 04.82	1694
673	41 23.78	122 04.65	1694
674	41 24.62	122 04.85	1694
675	41 25.27	122 05.36	1804
676	41 25.71	122 06.71	1999
677	41 26.35	122 07.19	2060
678	41 27.05	122 07.71	2060
681	41 46.81	122 39.00	950
682	41 46.64	122 38.33	914
683	41 46.36	122 38.07	865
684	41 46.00	122 37.66	816
685	41 45.61	122 37.19	768
686	41 45.28	122 36.54	865
687	41 45.08	122 36.46	841
688	41 45.08	122 35.68	792
689	41 44.68	122 35.75	780
690	41 44.31	122 35.37	768
691	41 43.90	122 34.84	768
692	41 43.74	122 34.21	768
693	41 43.66	122 33.58	743
694	41 43.51	122 33.09	774

Table 2B, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)	Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
695	41 43.49	122 32.21	768	698	41 43.61	122 29.85	798
696	41 43.37	122 31.81	768	699	41 42.74	122 29.25	786
697	41 42.89	122 31.22	816	700	41 42.04	122 28.72	786

TABLE 2C
Seismic Recorder Locations for deployments 9-15, 1982

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
1	40 42.92	121 42.58	
2	40 27.61	121 28.40	
3	40 21.34	121 18.26	
5	41 32.87	122 16.01	
11	41 30.22	120 58.69	
12	41 07.36	120 55.49	
14	41 35.71	121 34.81	
15	41 24.46	122 04.94	
16	41 29.83	121 54.75	
17	41 49.93	121 35.17	
18	41 39.48	121 13.99	
19	41 20.60	121 29.58	
20	41 39.55	121 13.97	
69	40 25.42	121 21.55	1972
70	40 29.68	121 25.48	
71	40 54.05	121 41.99	
72	40 55.39	121 43.33	
73	40 57.00	121 44.17	
74	40 57.91	121 44.70	
75	40 59.38	121 44.90	
76	40 43.18	121 42.26	
77	40 32.39	121 32.78	
78	40 33.08	121 32.29	
79	40 33.50	121 31.82	
80	40 34.31	121 30.01	
81	40 35.26	121 28.64	
85	40 32.22	121 33.67	
87	40 33.94	121 30.36	
88	40 34.79	121 29.86	
90	40 27.94	121 28.63	
91	40 28.25	121 29.47	
92	40 28.42	121 29.79	
93	40 28.44	121 30.25	
94	40 27.30	121 31.48	
95	40 26.76	121 31.29	
96	40 26.62	121 31.68	
97	40 27.01	121 31.96	
98	40 26.96	121 32.14	
99	40 26.42	121 32.14	
101	41 38.16	121 21.84	1335
102	41 38.48	121 20.94	1310
103	41 38.55	121 20.37	1310
104	41 38.65	121 19.92	1310
105	41 38.77	121 19.41	1298
106	41 38.82	121 18.85	1298
107	41 38.87	121 18.29	1286
108	41 38.94	121 17.76	1288
109	41 38.91	121 17.18	1286
110	41 38.92	121 16.68	1274
111	41 38.77	121 16.11	1274
112	41 38.80	121 15.43	1274
113	41 38.96	121 14.96	1283
114	41 39.29	121 14.44	1286
115	41 39.46	121 13.97	1295
116	41 39.53	121 13.99	1295
117	41 39.65	121 12.89	1307
118	41 38.93	121 10.86	1335
119	41 38.59	121 09.15	1356
120	41 39.30	121 07.65	1392
121	41 32.11	121 43.54	1767
122	41 33.01	121 43.52	1816
123	41 33.11	121 42.97	1889
124	41 33.38	121 42.64	1901
125	41 33.55	121 42.22	1914
126	41 34.31	121 41.86	1950
127	41 34.51	121 41.41	1975
128	41 34.69	121 40.95	1981
129	41 34.91	121 39.90	2048
130	41 34.86	121 39.32	2109
131	41 34.83	121 38.72	2139
132	41 34.97	121 38.30	2145
133	41 35.00	121 37.65	2103
134	41 35.21	121 37.12	2066
135	41 35.22	121 36.64	2042
136	41 35.41	121 36.15	2048
137	41 35.29	121 35.56	2042
138	41 35.43	121 35.14	2054
139	41 35.70	121 34.80	2042
140	41 35.75	121 34.16	2042
141	41 32.88	122 16.05	1097
142	41 32.76	122 14.77	1188
143	41 32.31	122 13.28	1310
144	41 32.33	122 11.63	1389
145	41 32.07	122 10.51	1615
146	41 31.63	122 07.37	2273
147	41 32.21	122 08.91	2279
148	41 31.03	122 06.05	1670
149	41 31.24	122 04.34	1670
150	41 31.33	122 02.86	1667
151	41 31.33	122 01.65	1767
152	41 30.87	122 01.18	1938
154	41 30.23	121 59.52	2026
155	41 30.54	121 58.88	2005
156	41 29.96	121 57.98	1755
157	41 29.52	121 57.41	1682
158	41 29.34	121 56.74	1694
159	41 29.28	121 56.07	1682
160	41 29.27	121 54.99	1682
161	41 35.54	121 33.88	2048
162	41 35.01	121 32.45	2097

Table 2C, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
163	41 35.08	121 31.99	2115
164	41 35.24	121 31.41	2164
165	41 35.36	121 30.82	2084
166	41 35.13	121 30.35	2084
167	41 35.23	121 29.91	2097
168	41 34.95	121 29.14	1908
169	41 34.93	121 28.66	1786
170	41 34.84	121 27.94	1664
171	41 35.10	121 27.57	1603
172	41 35.36	121 27.19	1554
173	41 35.71	121 26.20	1469
174	41 36.39	121 25.71	1432
175	41 36.83	121 25.30	1420
176	41 37.14	121 24.87	1408
177	41 37.37	121 24.34	1389
178	41 37.38	121 23.90	1383
179	41 37.25	121 23.44	1310
180	41 37.44	121 22.90	1359
181	41 29.79	121 54.81	1621
182	41 29.82	121 54.26	1670
183	41 30.01	121 53.53	1697
184	41 29.75	121 53.00	1670
185	41 29.78	121 52.30	1694
186	41 29.97	121 51.92	1700
187	41 29.99	121 51.43	1703
188	41 30.10	121 50.86	1706
189	41 29.96	121 50.15	1693
190	41 29.91	121 49.62	1690
191	41 30.15	121 48.96	1758
192	41 30.10	121 48.29	1746
193	41 30.25	121 47.85	1749
194	41 30.49	121 47.55	1764
195	41 30.85	121 47.12	1781
196	41 31.23	121 46.87	1783
197	41 31.17	121 46.14	1766
198	41 31.16	121 45.48	1748
199	41 31.22	121 44.38	1712
200	41 31.51	121 44.26	1725
201	41 31.07	121 30.21	
202	41 31.01	121 31.96	
203	41 31.07	121 32.63	
204	41 30.26	121 35.36	
205	41 28.01	121 35.76	
206	41 28.08	121 32.85	
207	41 26.83	121 29.19	
208	41 25.25	121 29.21	
209	41 23.84	121 29.72	
210	41 22.62	121 29.04	
211	41 20.64	121 29.55	
212	41 21.63	121 29.58	

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
213	41 22.99	121 34.38	
214	41 28.89	121 37.81	
215	41 27.28	121 38.90	
216	41 25.68	121 39.22	
217	41 24.14	121 39.81	
218	41 22.28	121 41.61	
219	41 20.29	121 43.43	
220	41 18.29	121 46.06	
221	41 49.90	121 35.16	
222	41 49.28	121 35.03	
223	41 48.16	121 34.95	
224	41 46.91	121 34.04	
225	41 45.17	121 33.26	
226	41 43.54	121 31.72	
227	41 41.77	121 32.36	
228	41 38.70	121 30.78	
229	41 39.57	121 28.15	
230	41 37.03	121 31.10	
231	41 37.43	121 27.43	
232	41 40.20	121 19.86	
233	41 40.64	121 23.88	
234	41 39.15	121 24.62	
235	41 41.45	121 26.87	
236	41 42.47	121 29.02	
237	41 43.26	121 24.96	
238	41 44.84	121 23.35	
239	41 46.52	121 21.62	
240	41 48.87	121 20.04	
241	41 46.64	121 49.07	
242	41 45.05	121 47.90	
243	41 43.24	121 45.57	
244	41 41.85	121 43.37	
245	41 39.46	121 42.74	
246	41 37.59	121 46.81	
247	41 35.79	121 42.93	
248	41 34.03	121 45.28	
249	41 34.26	121 49.18	
250	41 36.56	121 39.91	
251	41 37.66	121 38.22	
252	41 36.65	121 36.47	
253	41 38.33	121 35.91	
254	41 38.45	121 33.36	
257	41 40.13	121 38.99	
258	41 38.26	121 41.22	
259	41 43.82	121 40.21	
260	41 47.08	121 40.25	
261	41 28.56	121 09.43	
262	41 29.08	121 11.75	
263	41 30.01	121 16.13	
264	41 30.62	121 18.61	

Table 2C, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
265	41 30.94	121 21.28	
266	41 28.61	121 26.16	
267	41 30.41	121 24.34	
268	41 31.37	121 24.33	
269	41 32.74	121 26.02	
270	41 34.21	121 27.05	
271	41 33.81	121 30.49	
272	41 34.04	121 28.68	
286	41 29.06	121 42.68	
293	41 33.09	121 33.41	
294	41 31.73	121 30.28	
295	41 33.27	121 35.13	
296	41 31.16	121 37.67	
297	41 32.77	121 38.60	
298	41 33.70	121 37.34	
299	41 31.62	121 41.23	
300	41 26.72	121 47.48	
301	40 27.58	121 24.14	
302	40 26.66	121 25.20	
303	40 30.97	121 40.30	
304	40 25.06	121 38.88	
305	40 22.66	121 32.05	
306	40 17.18	121 15.84	
307	40 18.07	121 16.39	
308	40 19.10	121 16.51	
309	40 19.58	121 17.25	
310	40 20.37	121 17.44	
311	40 21.17	121 18.27	
312	40 21.80	121 18.48	
313	40 22.30	121 18.70	
314	40 23.20	121 18.81	
315	40 23.73	121 19.70	
316	40 24.54	121 19.98	
317	40 25.13	121 20.78	
318	40 26.01	121 21.45	
319	40 26.22	121 22.29	
320	40 26.60	121 23.67	
321	40 38.83	121 36.59	
322	40 39.62	121 37.31	
323	40 39.63	121 39.01	
324	40 40.06	121 39.90	
325	40 41.02	121 40.09	
326	40 42.08	121 40.66	
327	40 42.97	121 40.93	
328	40 42.93	121 42.59	
329	40 43.94	121 41.84	
330	40 43.91	121 41.12	
331	40 44.63	121 41.44	
332	40 45.51	121 41.67	
333	40 46.28	121 42.19	
334	40 47.21	121 42.39	
335	40 48.01	121 42.20	
336	40 48.98	121 42.31	
337	40 49.85	121 42.37	
338	40 50.55	121 42.66	
339	40 51.64	121 42.76	
340	40 52.48	121 42.41	
341	40 29.55	121 25.59	
342	40 30.01	121 26.05	
343	40 30.23	121 27.05	
344	40 30.90	121 27.84	
345	40 31.34	121 28.34	
346	40 32.17	121 29.39	
347	40 33.00	121 29.88	
348	40 33.55	121 30.84	
349	40 34.19	121 31.65	
350	40 35.39	121 31.95	
351	40 35.73	121 32.83	
352	40 36.35	121 33.66	
353	40 37.19	121 33.80	
354	40 37.56	121 34.77	
355	40 32.56	121 34.67	
356	40 32.30	121 35.57	
357	40 31.79	121 36.16	
358	40 31.35	121 36.90	
359	40 30.01	121 37.62	
360	40 29.71	121 38.04	
361	40 23.10	121 32.08	
362	40 16.74	121 15.22	
363	40 15.74	121 14.59	1389
364	40 15.29	121 14.14	1389
365	40 14.51	121 13.51	1380
366	40 13.79	121 12.93	1402
367	40 13.31	121 11.89	1377
368	40 12.63	121 11.10	1402
369	40 12.20	121 10.05	1426
370	40 11.78	121 09.06	1426
371	40 11.15	121 07.51	1426
372	40 10.43	121 07.81	1731
373	40 09.79	121 07.31	1731
374	40 09.30	121 06.06	1426
375	40 08.42	121 05.59	1524
376	40 07.89	121 04.35	1463
377	40 07.34	121 04.09	1658
378	40 06.72	121 02.88	1792
379	40 06.07	121 02.10	1536
380	40 05.41	121 01.46	1499
381	40 27.93	121 31.54	
382	40 24.01	121 26.86	
383	40 23.83	121 22.04	

Table 2C, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
384	40 28.75	121 52.45	
385	40 27.45	121 29.03	
386	40 27.30	121 29.89	
387	40 27.28	121 30.31	
388	40 27.24	121 30.88	
389	40 33.29	121 11.48	
390	40 34.05	121 24.21	
391	40 36.57	121 18.50	
392	40 38.23	121 36.41	
393	40 28.57	121 24.86	
394	40 28.98	121 25.69	
395	40 28.43	121 25.90	
396	40 27.93	121 26.46	
397	40 27.70	121 27.17	
398	40 27.06	121 26.52	
399	40 27.61	121 27.86	
400	40 27.62	121 28.43	
401	41 14.24	121 59.05	
403	41 13.05	121 58.42	
405	41 12.39	121 56.51	
407	41 11.45	121 55.83	
419	41 21.05	122 03.19	
425	41 33.74	122 15.70	
445	41 43.25	122 31.94	
455	41 45.55	122 37.27	
459	41 46.94	122 38.73	
481	41 21.08	122 04.13	
483	41 21.66	122 04.99	
485	41 22.50	122 04.94	
486	41 23.01	122 04.79	
487	41 23.39	122 04.89	
489	41 24.19	122 04.77	
490	41 24.48	122 04.96	
492	41 24.86	122 05.27	
494	41 25.43	122 05.98	
496	41 26.05	122 06.93	
498	41 26.76	122 07.20	
500	41 27.14	122 08.26	
501	41 16.67	122 19.83	
502	41 15.34	122 20.96	
503	41 15.34	122 22.58	
504	41 14.31	122 23.74	
505	41 20.24	122 19.29	
506	41 21.39	122 19.41	
507	41 23.00	122 19.31	
508	41 24.47	122 19.31	
509	41 21.08	122 17.01	
510	41 20.73	122 15.09	
511	41 21.43	122 13.17	
512	41 21.60	122 11.98	
513	41 19.55	122 12.17	
514	41 17.95	122 10.82	
515	41 19.95	122 09.79	
516	41 19.95	122 07.50	
517	41 20.93	122 05.82	
518	41 16.50	122 10.01	
519	41 15.05	122 09.55	
520	41 12.87	122 08.88	
521	41 26.31	122 27.28	
522	41 25.75	122 29.79	
523	41 24.39	122 31.22	
524	41 22.43	122 32.19	
525	41 20.23	122 32.05	
526	41 19.11	122 33.49	
527	41 26.65	122 23.91	
528	41 27.68	122 22.94	
529	41 29.31	122 22.11	
530	41 33.23	122 22.86	
531	41 34.89	122 23.88	
532	41 29.92	122 19.73	
533	41 31.04	122 18.86	
534	41 32.86	122 16.08	
535	41 28.97	122 14.46	
536	41 27.94	122 13.73	
537	41 30.39	122 16.40	
538	41 29.62	122 17.88	
539	41 28.03	122 17.80	
540	41 26.21	122 18.87	
541	41 35.78	122 20.09	
542	41 36.30	122 21.45	
543	41 37.42	122 22.67	
544	41 37.47	122 24.59	
545	41 38.07	122 26.19	
546	41 36.78	122 26.86	
547	41 38.40	122 27.88	
548	41 38.87	122 29.70	
549	41 35.72	122 25.45	
550	41 37.97	122 32.32	
551	41 38.44	122 34.44	
552	41 39.39	122 36.38	
553	41 39.48	122 37.46	
554	41 40.59	122 43.27	
555	41 46.19	122 21.48	
556	41 47.64	122 21.59	
557	41 49.11	122 21.69	
558	41 49.89	122 23.07	
559	41 52.93	122 22.66	
560	41 53.31	122 24.19	
561	41 38.72	122 02.74	
562	41 38.32	122 00.94	

Table 2C, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
563	41 37.17	122 04.28	
564	41 34.78	122 06.32	
565	41 38.69	121 57.52	
566	41 39.67	121 55.69	
567	41 41.07	121 54.21	
568	41 41.64	121 52.47	
569	41 42.60	121 50.76	
570	41 43.17	121 49.20	
571	41 43.83	121 47.94	
572	41 29.47	122 08.20	
573	41 28.70	122 05.69	
574	41 27.37	122 04.65	
575	41 26.74	122 00.50	
576	41 26.16	121 59.37	
577	41 24.93	121 57.46	
578	41 23.22	121 56.29	
579	41 23.08	121 53.65	
580	41 22.32	121 51.68	
581	41 30.17	122 10.01	
582	41 34.14	122 15.26	
583	41 38.43	122 20.48	
584	41 41.36	122 22.12	
585	41 40.50	122 20.09	
586	41 43.59	122 23.25	
587	41 42.91	122 20.34	
588	41 44.22	122 20.75	
589	41 45.30	122 18.34	
590	41 45.36	122 15.35	
591	41 38.69	122 13.95	
592	41 36.84	122 13.60	
593	41 40.96	122 13.21	
594	41 42.20	122 11.92	
595	41 44.92	122 08.63	
596	41 47.61	122 07.21	
597	41 48.80	122 07.02	
598	41 49.73	122 07.57	
599	41 50.48	122 07.28	
600	41 49.79	122 04.98	
601	41 14.58	121 59.81	1085
602	41 14.63	122 00.39	1060
603	41 14.76	122 00.94	1060
604	41 14.92	122 01.44	1021
605	41 15.30	122 01.75	1036
606	41 15.70	122 02.38	1036
607	41 16.20	122 02.35	1060
608	41 13.58	121 58.92	1231
609	41 12.65	121 57.72	1304
610	41 12.08	121 55.39	1377
611	41 10.36	121 55.58	1670
612	41 14.37	121 53.26	1194
613	41 06.36	121 49.64	1304
614	41 03.49	121 49.47	1097
615	41 01.34	121 48.26	1243
616	41 01.27	121 43.21	963
617	40 59.78	121 40.18	1121
618	40 57.33	121 38.31	944
619	40 55.54	121 35.91	957
620	40 52.99	121 34.02	969
621	41 34.52	122 16.76	1011
622	41 34.89	122 17.35	969
623	41 35.19	122 17.81	950
624	41 35.58	122 18.07	932
625	41 36.13	122 18.12	932
626	41 36.38	122 18.45	920
627	41 36.74	122 18.77	926
628	41 37.10	122 19.18	920
629	41 37.46	122 19.57	914
630	41 37.75	122 19.91	896
631	41 38.19	122 20.29	877
632	41 38.71	122 21.22	859
633	41 39.48	122 21.83	847
634	41 39.59	122 22.56	841
635	41 39.61	122 23.47	822
636	41 39.64	122 24.44	810
637	41 40.39	122 24.88	829
638	41 40.70	122 26.14	810
639	41 40.82	122 27.29	810
640	41 41.25	122 28.18	798
641	41 27.47	122 08.41	2048
642	41 27.94	122 09.59	2060
643	41 28.56	122 09.99	1999
644	41 28.52	122 10.88	2036
645	41 29.02	122 11.02	1840
646	41 29.32	122 11.53	1719
647	41 29.37	122 12.62	1645
648	41 29.82	122 12.93	1548
649	41 29.90	122 13.74	1450
650	41 30.07	122 14.45	1432
651	41 30.38	122 14.89	1395
652	41 30.90	122 14.73	1335
653	41 31.53	122 14.47	1261
654	41 31.96	122 14.73	1225
655	41 32.29	122 15.15	1188
656	41 32.61	122 15.50	1213
657	41 32.88	122 16.04	1103
658	41 33.22	122 15.70	1115
659	41 33.71	122 15.70	1091
660	41 34.17	122 16.05	1060
661	41 16.65	122 02.54	1060
662	41 17.03	122 02.67	1072

Table 2C, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
663	41 17.45	122 02.99	1109
664	41 17.84	122 03.18	1133
665	41 18.38	122 03.47	1158
666	41 18.92	122 03.47	1219
667	41 19.47	122 03.00	1255
668	41 20.20	122 02.85	1304
669	41 20.77	122 03.65	1426
670	41 21.32	122 04.57	1548
671	41 22.06	122 05.12	1670
672	41 23.00	122 04.82	1694
673	41 23.78	122 04.65	1694
674	41 24.62	122 04.85	1694
675	41 25.27	122 05.36	1804
676	41 25.71	122 06.71	1999
677	41 26.35	122 07.19	2060
678	41 27.05	122 07.71	2060
681	41 46.81	122 39.00	950
682	41 46.64	122 38.33	914
683	41 46.36	122 38.07	865
684	41 46.00	122 37.66	816
685	41 45.61	122 37.19	768
686	41 45.28	122 36.54	865
687	41 45.08	122 36.46	841
688	41 45.08	122 35.68	792
689	41 44.68	122 35.75	780
690	41 44.31	122 35.37	768
691	41 43.90	122 34.84	768
692	41 43.74	122 34.21	768
693	41 43.66	122 33.58	743
694	41 43.51	122 33.09	774
695	41 43.49	122 32.21	768
696	41 43.37	122 31.81	768
697	41 42.89	122 31.22	816
698	41 43.61	122 29.85	798
699	41 42.74	122 29.25	786
700	41 42.04	122 28.72	786
999	40 15.47	121 09.06	

TABLE 2D
Seismic Recorder Locations for deployment 16, 1985

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
4	41 30.31	122 34.74	963
6	41 55.01	121 59.70	1292
8	41 14.60	121 59.77	1085
10	41 32.21	121 32.14	1883
11	41 32.43	121 31.24	1798
12	41 32.47	121 30.29	1810
16	42 5.30	121 32.75	1359
17	41 49.15	121 6.61	1367
18	41 13.53	121 11.81	1281
19	41 7.40	121 32.81	1021
21	41 30.22	120 58.69	1511
106	41 32.27	121 35.40	1959
107	41 32.30	121 34.49	1950
108	41 32.57	121 33.53	1926
109	41 32.75	121 32.69	1953
110	41 32.99	121 31.92	2036
111	41 33.05	121 30.79	1892
112	41 33.12	121 29.89	1914
113	41 33.32	121 29.09	1859
114	41 33.27	121 28.31	1761
204	41 32.66	121 36.81	2005
205	41 32.78	121 35.78	2017
206	41 32.92	121 35.23	2008
207	41 33.14	121 34.11	2011
208	41 33.12	121 33.20	1969
209	41 33.43	121 32.43	2017
210	41 33.56	121 31.66	2069
211	41 33.64	121 30.69	2048
212	41 33.90	121 29.77	2072
213	41 34.02	121 28.78	1770
214	41 34.03	121 27.97	1697
215	41 34.20	121 27.09	1606
299	41 34.01	121 28.71	1752
303	41 33.43	121 37.47	2036
304	41 32.97	121 36.61	2026
305	41 33.23	121 35.51	2081
306	41 33.59	121 34.88	2072
307	41 33.66	121 33.94	2060
308	41 33.83	121 32.99	2090
309	41 33.93	121 32.08	2109
310	41 34.12	121 31.30	2121
311	41 34.29	121 30.06	2270
312	41 34.37	121 29.51	2133
313	41 34.61	121 28.69	1792
314	41 34.74	121 27.73	1664
315	41 34.77	121 26.91	1554
402	41 33.61	121 38.08	1981
403	41 33.75	121 37.24	2139
404	41 33.92	121 36.95	2209
405	41 34.17	121 35.31	2084
406	41 34.16	121 34.58	2072
407	41 34.40	121 33.59	2078
408	41 34.48	121 32.66	2136
409	41 34.53	121 32.00	2121
410	41 34.74	121 30.99	2362
411	41 34.92	121 29.91	2106
412	41 34.95	121 29.14	1895
413	41 35.14	121 28.19	1697
414	41 35.23	121 27.40	1584
415	41 35.52	121 26.63	1508
502	41 34.28	121 37.78	2115
503	41 34.37	121 36.83	2127
504	41 34.50	121 36.00	2048
505	41 34.66	121 35.29	2042
506	41 34.83	121 34.23	2103
507	41 34.94	121 33.17	2084
508	41 35.07	121 32.46	2081
509	41 35.26	121 31.47	2118
510	41 35.32	121 30.56	2133
511	41 35.51	121 29.72	2133
512	41 35.74	121 28.61	1956
513	41 35.91	121 27.99	1441
514	41 36.00	121 27.18	1767
601	41 34.91	121 38.36	2129
602	41 34.96	121 37.41	2081
603	41 35.13	121 36.69	2042
604	41 35.28	121 35.71	2045
605	41 35.33	121 34.96	2060
606	41 35.52	121 33.85	2048
607	41 35.61	121 33.12	2066
608	41 35.86	121 32.16	2151
609	41 35.88	121 31.18	2151
610	41 35.98	121 30.12	2252
611	41 36.17	121 29.41	2072
612	41 36.33	121 28.50	1889
613	41 36.52	121 27.71	1773
614	41 36.51	121 26.91	1530
701	41 35.52	121 37.89	2121
702	41 35.58	121 37.16	2069
703	41 35.73	121 36.30	2054
704	41 35.85	121 35.42	2051
705	41 35.93	121 34.50	2057
706	41 36.15	121 33.45	2231
707	41 36.28	121 32.70	2212
708	41 36.43	121 31.95	2206
709	41 36.65	121 31.00	2109
710	41 36.70	121 30.15	2170
711	41 36.97	121 29.04	1926
712	41 37.03	121 28.38	1767
713	41 37.30	121 27.42	1603

Table 2D, continued.

Loc	North Latitude (deg,min)	West Longitude (deg,min)	Elev (m)
800	41 35.81	121 38.74	2115
801	41 36.23	121 37.65	2157
802	41 36.20	121 36.71	2087
803	41 36.40	121 36.09	2127
804	41 36.42	121 35.26	2100
805	41 36.67	121 34.51	2118
806	41 36.64	121 33.14	2411
807	41 36.96	121 32.51	2237
808	41 37.04	121 31.63	2090
809	41 37.16	121 30.82	2145
810	41 37.42	121 29.82	1889
811	41 37.57	121 29.08	1792
812	41 37.71	121 28.07	1709
813	41 37.81	121 27.30	1569
900	41 36.59	121 38.28	2097
901	41 36.65	121 37.41	2133
902	41 36.88	121 36.64	2255
903	41 36.84	121 35.53	2212
904	41 37.11	121 34.83	2298
905	41 37.22	121 34.07	2295
906	41 37.45	121 33.07	2127
907	41 37.55	121 31.96	2042
908	41 37.73	121 31.34	1993
909	41 37.80	121 30.49	1962
910	41 38.13	121 29.77	1834
911	41 38.13	121 28.73	1770
912	41 38.38	121 27.76	1627
1000	41 37.30	121 38.19	2057
1001	41 37.27	121 37.19	2109
1002	41 37.65	121 36.54	2066
1003	41 37.58	121 35.79	2197
1004	41 37.82	121 34.68	2118
1005	41 37.98	121 33.65	2011
1006	41 38.17	121 32.73	1935
1007	41 38.16	121 32.05	1917
1008	41 38.29	121 31.20	1938
1009	41 38.63	121 30.08	1847
1010	41 38.62	121 29.29	1767
1011	41 38.81	121 28.48	1703
1101	41 38.01	121 36.97	2057
1102	41 38.21	121 36.09	2017
1103	41 38.40	121 35.33	2039
1104	41 38.54	121 34.53	1981
1105	41 38.60	121 33.37	1901
1106	41 38.62	121 32.51	1871
1107	41 38.82	121 31.61	1853
1108	41 39.03	121 30.67	1828
1109	41 39.27	121 30.05	1776

TABLE 3
SHOT-STATION DISTANCES AND AZIMUTHS, AND THE RECORDER ATTENUATION SETTINGS

Definition of table entries:

Loc - Station location number.

Dist - Distance in kilometers between the shotpoint and station.

Azim - Azimuth from the shotpoint to the recording station.

Db - Recorder attenuation setting in decibels. Gain of station at zero db is approximately 104 db peaked at about 20 hz (see Berge and others, 1986).

Tape Grade - Tape grade code indicating any malfunction of the seismograph or data playback equipment.

0 - Good playback	14 - Off frequency, tape speed off
1 - Tape did not run	15 - Calibration problems
2 - Tape ran but no signal	16 - Recorder stopped during record
3 - Skipped record time	17 - Bad time code
4 - Fast forward; no signal	18 - Tape speed way off; belt slipped
5 - Rewound and erased	19 - Turned on too early
6 - Weak multiplexed signal; cannot read time code; low record level	20 - In for repair; not deployed
	21 - Geophone disconnected or shorted
	22 - Wrong unit number
7 - Continuous calibration	23 - Wrong gain settings
8 - Noise, sinusoidal	24 - Late start
9 - Noise, spike	25 - Bed geophone test
10 - Noise, WWVB cross feed	26 - One or more channels missing
11 - Noise, periodic ticks	27 - Bed WWVB redio signal
12 - Noise, random	28 - Unit damaged / vandalized
13 - Bad clock	29 - Tape damaged / vandalized

Unit - Recording instrument unit number for shot number 8101 only (the "Huddle test").

Table 3, continued.

Shot Number 7801 Shot Point 7801 Deployment 1
Shot Time (Julian day, hr, min, sec): 325:09:59:59.737

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	0.06	19.4	54	0/9	123	36.94	50.5	6	0/12	164	24.44	77.4	6	0/12
102	1.25	12.0	54	0	125	39.17	51.3		2	165	25.32	71.3	6	0/12
103	2.42	26.8	54	0/9	126	40.00	51.6	6	0	166	25.45	66.3	6	0
104	3.59	31.7	54	0/12	127	41.41	48.2		13	167	25.83	63.6	24	0
105	4.96	32.8	54	0/12	128	42.69	44.1	6	11/15	168	27.06	60.4	6	0/9/12
106	6.11	41.3	54	0/12	130	53.99	46.2	6	0	169	28.14	58.9	24	0/12
107	7.06	44.8		9	131	56.85	45.2	6	12	171	25.12	47.7		2
108	8.47	55.8	24	0	132	61.26	45.8	6	11	172	25.77	45.3	6	0/9/11
109	9.88	55.2	24	0	133	67.25	51.4	6	12	173	25.87	42.3		6/12
110	12.63	54.5	24	0	134	70.23	54.4	6	12/15	174	26.63	38.6		9
112	18.73	49.6		24	135	74.74	57.3		2	175	26.80	33.9	6	0
113	20.26	47.8	24	0/11	136	80.14	55.8	6	9/11/17	176	28.22	29.9		1
114	22.55	47.6	6	0/12	138	90.65	53.9		11/15	177	29.84	26.5	6	0
116	25.18	50.1		9/12/15	140	101.72	54.7		12/15	178	32.11	23.8	6	12
118	30.14	52.6	6	0	141	83.83	55.0	6	0/15	179	32.79	19.1	6	0
119	31.41	51.0	6	0	161	22.07	101.0		2	180	33.88	16.1	6	0/9
121	34.43	49.7		6/11/15	162	24.35	95.7		1					
122	35.85	49.5	6	0	163	24.51	85.2		1					

Shot Number 7802 Shot Point 7802 Deployment 1
Shot Time (Julian day, hr, min, sec): 325:11:59:59.718

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	23.10	223.6	6	0/9	123	14.24	61.9	24	0/12	164	13.91	145.5	24	0
102	22.09	225.2	6	0	125	16.53	62.3		2	165	11.83	137.3	24	0
103	20.84	225.4	24	0	126	17.39	62.4		12	166	9.86	131.8	6	0
104	19.65	225.6		12	127	18.43	54.0		12	167	8.93	126.4	24	0
105	18.29	226.4		12	128	19.55	44.7		0/11/25	168	8.32	114.3	24	0/9
106	17.05	224.3	6	0	130	30.88	48.1	6	0	169	8.46	105.5	24	0/12
107	16.09	222.9		9/12	131	33.72	46.3		12	171	2.63	87.1		2
108	14.99	216.6	24	0	132	38.14	47.2	6	0	172	2.73	60.3	32	0
109	13.62	215.1	24	0	133	44.42	55.5	6	0/12	173	2.77	32.3	32	0/6/12
110	11.02	210.8	24	0/12	134	47.68	59.7		12/15	174	4.07	9.8	32	0
112	4.93	200.0		25	135	52.52	63.3	6	0	175	5.56	349.6	24	0
113	3.31	196.5	42	0/11	136	57.82	60.7	6	6/9/15	176	7.88	346.5		1
114	1.72	155.9	42	0/12	138	68.12	57.5	6	11/25	177	10.26	345.2	24	0
116	3.43	100.5		3	140	79.25	58.0		12	178	12.94	346.7		12
118	8.13	79.2		3	141	61.42	59.3	6	0	179	15.11	340.0	6	0/12
119	8.97	70.6	24	0/9	161	21.76	164.8		2	180	17.05	337.6	6	0/9
121	11.68	62.1		6/18/22	162	20.91	156.7		1					
122	13.04	60.0	24	0	163	17.00	150.1		1					

Table 3, continued.

Shot Number 7803 Shot Point 7803 Deployment 1
Shot Time (Julian day, hr, min, sec): 325:12:59:59.712

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	39.97	231.7	6	0/9
102	39.06	232.8		12
103	37.83	233.2	6	0
104	36.66	233.5	6	0/12
105	35.35	234.2	6	0/12
106	34.02	233.5		12
107	33.01	233.1		13
108	31.58	230.5		12
109	30.16	230.5	6	0
110	27.41	230.3		12
112	21.31	233.5		25
113	19.85	235.6	6	0
114	17.59	236.8	6	0/12
116	14.86	234.3		3
118	9.90	228.8		3
119	8.62	233.9	24	0
121	5.72	243.2		6/18
122	4.40	249.5	24	0
123	3.16	244.9	24	0
125	0.87	244.8		2
126	0.02	232.4	42	0
127	2.82	349.5	24	0
128	6.07	344.1		11/25
130	14.67	31.1	6	0
131	17.68	30.5		11
132	21.85	35.1	6	0
133	27.23	51.1	6	0/12
134	30.31	58.1		12
135	35.12	63.7	6	0
136	40.43	59.9		6/12
138	50.81	55.8		11/25
140	61.93	56.7		12
141	44.06	58.1		12
161	30.65	198.6		2
162	28.19	194.8		1
163	23.84	197.0		1
164	20.92	201.2	6	0
165	18.31	203.9	6	0
166	16.71	208.9	6	0
167	15.70	211.7	6	0/12
168	13.91	214.4		12
169	12.62	215.2	6	0/12
171	15.05	238.3		2
172	14.67	242.8	6	0/11
173	15.07	247.7	6	0/12
174	15.27	254.7	6	0/9/12
175	16.63	261.1	6	0
176	17.26	268.7		1
177	18.13	275.9	6	0/12
178	18.93	283.9		15
179	21.48	286.6	6	0
180	23.22	289.4	6	0/9

Table 3, continued.

Shot Number 8101 Shot Point 8199 Deployment 2 ("Huddle Test")
Shot Time (Julian day, hr, min, sec): 173:18:30:00.012

Unit	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
1	93	0.15	15.9	42	0
3	95	0.15	15.9		17
10	92	0.15	15.9	42	0
12	95	0.15	15.9	42	0
13	92	0.15	15.9	42	0
14	94	0.15	15.9	42	0
15	91	0.15	15.9	42	0
17	91	0.15	15.9		1
18	93	0.15	15.9	42	0
19	94	0.15	15.9	42	0
22	93	0.15	15.9		1
23	95	0.15	15.9	42	0
24	91	0.15	15.9	42	0
25	91	0.15	15.9	42	0
26	91	0.15	15.9	42	0
28	95	0.15	15.9	42	0
30	92	0.15	15.9	42	0
31	95	0.15	15.9		15
32	91	0.15	15.9	42	0
34	92	0.15	15.9	42	0/30
35	93	0.15	15.9		1
36	91	0.15	15.9	42	0
38	91	0.15	15.9		1
39	94	0.15	15.9	42	0
40	93	0.15	15.9	42	0
43	93	0.15	15.9		13
44	91	0.15	15.9	42	0
45	95	0.15	15.9	42	0
48	94	0.15	15.9	42	0
49	92	0.15	15.9	42	0
51	92	0.15	15.9	42	0
52	92	0.15	15.9	42	0
53	94	0.15	15.9	42	0
55	92	0.15	15.9	42	0
56	94	0.15	15.9		15
58	91	0.15	15.9	42	0
60	91	0.15	15.9		1
62	92	0.15	15.9	42	0
63	92	0.15	15.9	42	0
64	92	0.15	15.9	42	0
65	93	0.15	15.9		25
66	94	0.15	15.9	42	0
69	94	0.15	15.9	42	0
70	94	0.15	15.9		13
71	91	0.15	15.9		15
72	94	0.15	15.9		17
73	95	0.15	15.9	42	0
74	93	0.15	15.9	42	0/15
75	93	0.15	15.9	42	0
76	93	0.15	15.9	42	0/17/30
77	94	0.15	15.9		17
78	95	0.15	15.9	42	0
79	93	0.15	15.9	42	0/17/30
82	95	0.15	15.9	42	0
83	95	0.15	15.9	42	0
85	91	0.15	15.9		1
87	93	0.15	15.9	42	0
88	95	0.15	15.9		15
89	93	0.15	15.9	42	0
90	91	0.15	15.9		1
92	95	0.15	15.9		15
93	94	0.15	15.9	42	0
94	91	0.15	15.9	42	0
96	94	0.15	15.9		0/23
97	92	0.15	15.9	42	0
98	93	0.15	15.9	42	0
99	95	0.15	15.9	42	0
100	93	0.15	15.9		17
101	93	0.15	15.9	42	0
103	91	0.15	15.9		1
104	92	0.15	15.9		9/17
105	92	0.15	15.9	42	0/9
106	91	0.15	15.9	42	0
107	95	0.15	15.9		17
108	95	0.15	15.9	42	0
110	92	0.15	15.9	42	0
112	93	0.15	15.9	42	0
113	93	0.15	15.9	42	0
115	94	0.15	15.9	24	0
118	92	0.15	15.9	42	0
119	94	0.15	15.9	42	0
120	95	0.15	15.9	24	0
121	94	0.15	15.9		20
122	94	0.15	15.9		20
124	92	0.15	15.9		18
125	91	0.15	15.9		17
128	95	0.15	15.9		17
129	95	0.15	15.9	42	0
130	91	0.15	15.9		1
131	95	0.15	15.9	42	0
132	94	0.15	15.9	42	0
133	93	0.15	15.9	42	0
134	94	0.15	15.9	42	0
136	95	0.15	15.9	42	0
137	92	0.15	15.9	42	0
139	94	0.15	15.9	42	0
142	92	0.15	15.9	42	0/30
143	93	0.15	15.9	42	0
145	92	0.15	15.9	42	0
146	91	0.15	15.9	42	0

Table 3, continued.

Shot Number 8102 Shot Point 8112 Deployment 3
Shot Time (Julian day, hr, min, sec): 176:07:00:00.025

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
12	0.00	180.0	94	0
101	49.78	311.2	6	0/12
102	47.93	310.8	6	0
103	46.79	310.5	6	0
104	45.70	312.8	6	0
105	44.51	313.6	6	0
106	43.46	312.5	6	0
107	42.47	312.5	6	0
108	41.05	312.1	6	0
109	39.43	312.7	6	0
110	37.88	312.2	6	0
111	36.66	310.6	6	0
112	35.40	311.7	6	0
113	34.71	313.2	6	0
114	33.28	312.8		1
115	32.27	313.7	6	0
116	31.15	312.5	6	0
117	30.21	311.7	6	0
118	28.54	309.3		1
119	27.64	306.7		1
120	25.42	312.6		9
122	1.34	245.7	42	0
123	2.53	289.0	42	0
124	3.22	290.8	42	0/30
125	3.34	296.2	42	0/9/30
126	4.05	311.9	42	0/30
127	4.80	311.9	42	0
128	5.78	311.8	42	0/30
129	7.50	310.8	42	0
130	8.65	306.0	42	0
131	10.91	307.9	42	0
132	12.58	316.8	42	0
133	14.41	313.7	42	0
134	15.48	310.0	24	0
135	17.47	306.3	24	0
136	19.08	308.0		1
137	19.97	311.3	24	0
138	21.24	313.5	24	0
139	22.11	317.2	24	0
140	24.39	311.8	24	0
141	78.09	312.0		1
142	79.47	311.5	6	0
143	80.27	310.8	6	0
145	82.03	310.1	6	0
146	83.51	311.0		1
147	84.76	311.1	6	0
148	85.59	311.9	6	0
149	87.03	312.0	6	0
150	88.63	312.1	6	0/24
151	89.98	312.4		11
152	91.18	313.1		3
153	92.27	313.7	6	0
154	94.29	312.3		1
155	94.92	313.2	6	0
156	96.26	313.6	6	0
157	97.29	314.2	6	0
158	98.93	313.9	6	0
159	100.90	313.7		15
160	103.18	313.7		9
161	77.61	312.1		11
162	77.21	312.1	6	0
163	75.11	312.3	6	0
164	74.28	312.4	6	0
165	73.53	312.2	6	0
166	72.68	311.7	6	0
167	71.82	311.8	6	0
169	68.98	311.7	24	0
170	66.93	311.9	24	0
171	65.37	312.2	24	0
172	63.86	311.6	24	0
173	61.88	311.0	24	0
174	60.57	310.6	6	0
175	58.55	311.7	6	0
176	56.86	313.3	6	0
177	54.70	312.9	6	0
178	53.35	313.6	6	0
179	51.83	312.7		15
180	50.57	312.3	24	0
181	104.11	314.3		15
182	105.35	314.7	6	0
183	106.90	315.0		17
184	108.04	315.9		1
185	110.66	315.5	6	0
186	111.65	315.4	6	0
187	112.82	315.2	6	0
188	114.63	314.8	6	0
189	116.03	314.5	6	0
190	117.24	314.7	6	0
191	118.02	314.3	6	0
192	118.71	314.0	24	0
193	119.98	314.2	24	0
194	120.52	314.4	24	0
195	121.04	314.9		1
196	122.05	314.6	24	0
197	123.02	314.6	24	0
198	124.32	314.1	6	0
199	124.89	314.4	6	0
200	125.48	314.6	24	0

Table 3, continued.

Shot Number 8103 Shot Point 8105 Deployment 3
Shot Time (Julian day, hr, min, sec): 176:07:15:00.020

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
12	121.63	112.8	6	0
101	76.17	100.9	6	0/30
102	77.60	101.8	6	0
103	78.49	102.4	6	0
104	80.15	101.6	6	0/30
105	81.49	101.7	6	0
106	81.97	102.6	6	0
107	82.80	102.9	6	0
108	83.92	103.6		25
109	85.53	103.8	6	0
110	86.74	104.5	6	0
111	87.40	105.5	6	0
112	88.83	105.4	6	0
113	89.85	105.1	6	0
114	91.02	105.7		1
115	92.14	105.7	6	0
116	92.85	106.4	6	0
117	93.51	106.8	6	0
118	94.58	107.9		1
119	95.02	108.8		1
120	98.05	107.8		11
122	120.73	113.3	6	0
123	119.12	112.9	6	0
124	118.43	112.9	6	0
125	118.30	112.7	6	0/9
126	117.81	112.2	6	0
127	117.10	112.0	6	0
128	116.18	111.9	6	0/30
129	114.51	111.7	6	0/30
130	113.22	111.8	6	0
131	111.13	111.4	6	0
132	110.23	110.2	6	0
133	108.26	110.1	6	0/30
134	106.93	110.4	6	0
135	104.72	110.6	6	0
136	103.33	110.0		1
137	102.86	109.3	6	0
138	102.00	108.6	6	0
139	101.85	107.7	6	0/22
140	98.85	108.2	6	0/30
141	54.31	84.7		3
142	52.86	84.2	6	0
143	51.59	84.2	6	0
145	49.64	83.5	6	0
146	49.67	81.2		1
147	48.91	80.0	6	0
148	49.35	78.4		25
149	48.69	76.8	6	0
150	47.82	75.3	6	0
151	47.50	73.6		12/15
152	47.83	71.7	6	0
153	48.29	69.9	6	0
154	45.35	68.9		1
155	46.31	67.5	6	0
156	46.41	65.6	6	0
157	46.99	64.0	6	0
158	45.96	62.3	6	0
159	45.07	60.0	6	0
160	44.52	57.2	6	0
161	54.78	85.0		15
162	55.00	85.3	6	0/11
163	56.69	86.7	6	0
164	57.38	87.1	6	0/8
165	57.71	87.9	6	0
166	57.93	88.9	6	0/8
167	58.64	89.4	6	0
169	60.70	91.3	24	0/11
170	62.40	92.4	24	0/12
171	63.83	93.0	6	0
172	64.63	94.3		3
173	65.83	95.8	24	0
174	66.65	96.8	6	0
175	68.97	96.9	6	0
176	71.29	96.7		22
177	72.81	97.9	6	0/12
178	74.27	98.1	6	0
179	75.08	99.3	6	0/6
180	75.99	100.0	6	0
181	45.24	55.8		11
182	45.76	54.1	6	0
183	46.07	52.0	6	0
184	47.69	50.4		3
185	46.88	47.3	6	0
186	46.47	46.1	6	0
187	46.25	44.6		25
188	45.46	42.3	6	0
189	44.82	40.5	6	0
190	45.37	39.0	6	0
191	44.78	37.9	6	0
192	44.19	37.0		15
193	44.70	35.4	6	0
194	45.30	34.8	24	0
195	46.34	34.4		3
196	45.91	33.0	24	0
197	46.05	31.8	24	0
198	45.39	29.9	6	0
199	46.10	29.4	6	0
200	46.77	28.9		26

Table 3, continued.

Shot Number 8104 Shot Point 8106 Deployment 3
Shot Time (Julian day, hr, min, sec): 176:07:30:00.011

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
12	125.44	134.6	6	0
101	75.92	136.8	6	0
102	77.80	137.0	6	0
103	78.97	137.1	6	0
104	79.89	135.7	6	0
105	80.98	135.2	6	0
106	82.08	135.7	6	0
107	83.07	135.7	6	0
108	84.50	135.9	6	0
109	86.09	135.5	6	0
110	87.65	135.7	6	0
111	88.97	136.3	6	0
112	90.15	135.8	6	0
113	90.78	135.2	6	0
114	92.22	135.3		1
115	93.21	135.0	6	0
116	94.36	135.3	6	0
117	95.33	135.6	6	0
118	97.11	136.2		1
119	98.20	136.9		1
120	100.07	135.2	6	0/12
122	124.98	135.2	6	0
123	123.18	135.1	6	0
124	122.52	135.2	6	0
125	122.29	135.1	6	0/9
126	121.40	134.7	6	0
127	120.65	134.7	6	0
128	119.68	134.8	6	0
129	117.97	134.9	6	0
130	116.92	135.3	6	0
131	114.64	135.3	6	0
132	112.88	134.4	6	0
133	111.05	134.8	6	0
134	110.05	135.3	24	0
135	108.23	136.0	24	0
136	106.55	135.8		1
137	105.54	135.3	6	0
138	104.23	134.9	6	0
139	103.37	134.1	6	0
140	101.12	135.3	6	0
141	47.69	139.0		1
142	46.43	140.0	24	0
143	45.72	141.3	24	0
145	44.21	143.1	24	0
146	42.47	141.7		1
147	41.22	141.9	24	0
148	40.20	140.5	24	0
149	38.74	140.5	24	0
150	37.16	140.8	24	0
151	35.74	140.3	24	0
152	34.42	138.8	24	0
153	33.25	137.1	24	0
154	31.49	141.5		1
155	30.68	139.2	24	0
156	29.28	138.1	24	0
157	28.19	136.2	42	0
158	26.58	137.4	42	0
159	24.63	138.5	42	0
160	22.36	138.8	42	0
161	48.14	138.7	6	0/11
162	48.55	138.7	6	0
163	50.61	138.1	24	0
164	51.41	137.8	24	0
165	52.19	138.1	24	0
166	53.11	138.6	24	0
167	53.94	138.4	24	0
169	56.78	138.1	24	0
170	58.79	137.7	24	0
171	60.31	137.3	24	0
172	61.88	137.7	24	0
173	63.93	138.1	24	0
174	65.29	138.4	24	0
175	67.16	137.2	6	0
176	68.72	135.7		3
177	70.90	136.0	24	0
178	72.21	135.4	6	0
179	73.78	136.0	6	0
180	75.05	136.2	6	0
181	21.37	136.5		21
182	20.11	134.5	42	0
183	18.57	132.8	42	0
184	17.60	126.9		3
185	14.91	127.9	24	0/26
186	13.88	128.9	42	0
187	12.70	129.3	42	0
188	10.83	132.7	42	0
189	9.42	136.8	42	0
190	8.21	134.0	42	0
191	7.45	139.2	42	0
192	6.87	145.2	42	0/12
193	5.55	144.3	42	0
194	4.94	139.5	42	0/12
195	4.44	127.5		3
196	3.39	136.0	62	0
197	2.43	138.1	62	0
198	1.61	179.9	62	0
199	0.79	180.2	82	0/15
200	0.05	275.8	82	0/15

Table 3, continued.

Shot Number 8105 Shot Point 8109 Deployment 3
Shot Time (Julian day, hr, min, sec): 177:07:00:00.021

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
12	78.07	132.0	6	0
101	28.31	133.4		17
102	30.17	133.9	6	0
103	31.33	134.3	6	0
104	32.38	130.9	6	0
105	33.59	129.9	6	0
106	34.61	131.4		17/18
107	35.60	131.5	6	0
108	37.02	131.9	6	0
109	38.64	131.3	6	0
110	40.18	131.9	6	0
111	41.44	133.3	6	0
112	42.67	132.2	6	0
113	43.37	131.1	6	0
114	44.79	131.4	6	0
115	45.82	130.8	6	0
116	46.92	131.7		1
117	47.86	132.2	6	0
118	49.58	133.6	6	0
119	50.63	134.9	6	0
120	52.65	131.7		12
122	77.54	132.9	6	0
123	75.75	132.8	6	0
124	75.09	132.9	6	0
125	74.86	132.7	6	0/9
126	74.02	132.0		3
127	73.27	132.0	6	0
128	72.29	132.0	6	0
129	70.57	132.1	42	0
130	69.47	132.8		25
131	67.20	132.7		1
132	65.54	131.1	6	0
133	63.66	131.6	6	0
134	62.61	132.5	6	0
135	60.72	133.6	6	0
136	59.06	133.3		1
137	58.10	132.3	6	0
138	56.84	131.5	6	0
139	56.08	130.0	6	0
140	53.68	132.1	6	0
141	0.05	248.2	42	0
142	1.58	283.3	42	0
143	2.81	275.3	42	0
145	4.85	277.4	42	0
146	5.68	297.6	42	0
147	6.90	300.5	42	0
148	7.60	310.6	42	0
149	9.04	312.3	42	0
150	10.64	312.4	42	0
151	12.01	314.7	42	0
152	13.29	319.2	42	0
153	14.51	323.0	42	0
154	16.32	313.9	42	0
155	17.03	318.4	42	0
156	18.44	320.2		12
157	19.60	322.8	42	0
158	21.15	320.8	42	0
159	23.08	319.4	24	0
160	25.35	319.0	24	0
161	0.48	113.4		1
162	0.86	127.5		1
163	2.99	124.6	42	0
164	3.82	124.0	42	0
165	4.54	129.1	42	0
166	5.41	135.7	42	0
167	6.25	134.2	42	0
169	9.10	134.1	42	0
170	11.14	132.7	42	0
171	12.70	131.1	42	0
172	14.22	133.7	42	0
173	16.24	135.8	42	0
174	17.59	137.0	42	0
175	19.53	133.0	24	0
176	21.26	128.6		1
177	23.39	130.0		1
178	24.77	128.7	24	0
179	26.25	130.7		12
180	27.50	131.4	24	0
181	26.37	320.9		2
182	27.70	322.1	24	0
183	29.31	322.8	24	0
184	30.71	325.8	24	0
185	33.19	323.9	24	0
186	34.12	323.0	24	0
187	35.25	322.4	6	0
188	36.96	320.7	24	0
189	38.29	319.4	24	0
190	39.54	319.9	24	0
191	40.26	318.9	24	0
192	40.89	317.9	24	0
193	42.18	318.2	24	0
194	42.77	318.8	24	0
195	43.37	320.1		1
196	44.32	319.1	24	0
197	45.28	319.0	24	0
198	46.51	317.6	24	0
199	47.12	318.3	24	0
200	47.74	318.9	24	0

Table 3, continued.

Shot Number 8106 Shot Point 8105 Deployment 4
Shot Time (Julian day, hr, min, sec): 181:07:30:00.020

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
201	127.59	93.7	6	0
202	129.50	93.2		17/18
203	130.98	92.7	6	0
204	132.67	92.8	6	0
205	134.58	92.9	6	0
206	136.18	92.9	6	0
207	137.68	92.5	6	0
208	139.40	92.3	6	0
209	141.16	92.2	6	0
210	143.17	92.1	6	0
211	145.57	91.8	6	0
212	147.05	91.7	6	0
213	148.50	91.4	6	0
214	149.73	90.8	6	0
215	151.29	90.3	6	0
216	152.90	89.9	6	0
217	154.65	89.5	6	0
218	156.56	89.4	6	0
219	158.30	89.6		12
220	160.09	89.7		12
221	161.76	89.5	6	0
222	163.42	89.6	6	0
223	164.61	89.5	6	0
224	166.24	89.4	6	0
225	167.60	89.8		25
226	168.71	90.1		12
227	169.83	90.4	6	0
228	170.87	90.5	6	0/6
229	171.82	90.6		6
230	173.15	90.7		6
231	174.99	90.7	6	0
232	176.05	90.7		6
233	176.90	90.9	24	0
234	177.95	90.7	6	0
235	179.90	90.4	6	0/12
236	180.71	90.3	6	0/26
237	181.51	90.3	6	0/12
238	182.30	90.2	6	0/12
239	183.37	90.2	6	0
240	184.14	90.1	6	0/12
241	78.13	92.9	6	0
242	79.96	93.0	6	0/15
243	81.49	93.3	6	0
244	83.27	93.7	6	0
245	84.69	94.1	6	0
246	86.34	94.3	6	0
247	88.05	94.3	6	0
248	89.45	94.5		9/17
249	91.22	94.7	6	0
250	92.74	94.9		11
251	94.40	94.8	6	0
252	95.63	94.4	6	0
253	97.12	94.0	6	0
254	98.67	93.6	6	0
255	100.33	93.4	6	0
256	102.07	93.5	6	0
257	102.90	93.4	6	0
258	103.69	93.3	6	0
259	104.41	93.1	6	0
261	105.91	93.0	6	0
262	106.73	92.9	6	0
263	107.44	92.7	6	0
264	108.11	92.6	6	0
265	108.89	92.7	6	0
266	109.50	92.9	6	0
267	110.36	93.1	6	0
268	111.18	93.5	6	0
269	111.72	93.7	6	0
270	112.37	94.1	6	0
272	113.89	94.9	6	0
273	115.95	94.7	6	0
274	116.79	95.1	6	0
275	118.32	95.2	6	0
276	120.16	95.0	6	0
277	121.89	94.9	6	0
278	123.26	94.8	6	0
279	124.99	94.4	24	0
280	126.32	94.1	6	0
281	54.78	85.0	6	0
282	55.22	85.2	6	0
283	55.77	85.2	6	0
284	56.43	85.5	6	0
285	57.04	85.3	6	0
286	57.47	84.9	6	0
287	58.41	84.8	6	0
288	59.50	85.4	6	0
289	60.09	86.0	6	0
290	60.95	86.4	6	0
291	62.51	85.7	6	0
292	64.12	87.0	24	0
293	65.84	88.2	6	0
294	67.46	86.5	6	0
295	68.12	88.0	6	0
296	70.63	87.2	6	0
297	71.34	88.0	6	0
298	71.95	92.2	6	0
299	74.05	93.1	6	0
300	76.22	92.7	6	0

Table 3, continued.

Shot Number 8107 Shot Point 8114 Deployment 4
Shot Time (Julian day, hr, min, sec): 181:07:45:00.015

Loc	Dist (km)	Azim (deg)	Tape Db	Tape Grade
201	71.58	100.8	42	0
202	73.36	99.8		6
203	74.71	98.8		6
204	76.41	98.8	24	0
205	78.34	98.8	24	0
206	79.93	98.6	6	12
207	81.13	97.9	6	12
208	82.81	97.5	6	6
209	84.52	97.1	6	0
210	86.51	96.9	6	12
211	88.84	96.3	6	6
212	90.29	96.1	6	8
213	91.69	95.6	6	0
214	92.81	94.5	6	0
215	94.30	93.7	6	0
216	95.85	93.0	6	0
217	97.54	92.2	6	0
218	99.45	92.1		17
219	101.20	92.3	6	0
220	103.01	92.5	6	0
221	104.65	92.1	6	0
222	106.30	92.1	6	0
223	107.49	92.1	6	0
224	109.11	91.9	6	0
225	110.51	92.3	6	0
226	111.66	92.8	6	0
227	112.82	93.3	6	0
228	113.87	93.4	6	0
229	114.83	93.5	6	0
230	116.18	93.7	6	0
231	118.01	93.5	6	0
232	119.07	93.5	6	0
233	119.95	93.8	24	0
234	120.96	93.5	6	0
235	122.87	93.0	24	0
236	123.67	92.9	6	0/26
237	124.47	92.8	6	0/6
238	125.25	92.7	6	0
239	126.31	92.6		0/6
240	127.07	92.6	6	0
241	22.64	113.9	24	0
242	24.42	112.7		3
243	26.22	112.4	24	0
244	28.05	112.1	24	0
245	29.61	112.5	24	0
246	31.27	112.0	24	0
247	32.91	111.1		25
248	34.34	110.9		17
249	36.15	110.7	6	0
250	37.69	110.5	24	0/31
251	39.22	109.5	6	0
252	40.28	108.2	6	0
253	41.59	106.9	6	0
254	42.94	105.4	6	0
255	44.50	104.5	6	0
256	46.25	104.4	6	0
257	47.02	103.9	6	0
258	47.78	103.5	6	0
259	48.44	103.1	6	0
261	49.89	102.5	6	0
262	50.68	102.2	6	0
263	51.30	101.5	6	0
264	51.94	101.2	6	0
265	52.75	101.3	6	0
266	53.42	101.7	6	0
267	54.33	102.0	6	0
268	55.24	102.6	6	0
269	55.83	102.8	6	0
270	56.60	103.6	6	0
272	58.38	104.9	24	0
273	60.35	104.2	6	0
274	61.31	104.8	24	0
275	62.85	104.8	6	0
276	64.58	104.0	6	0
277	66.29	103.7	6	0
278	67.60	103.2	24	0
279	69.20	102.4	24	0
280	70.44	101.8	6	0/12
281	2.74	261.1	82	0
282	2.34	255.4	62	0/6
283	1.81	250.7	62	0/9
284	1.30	232.8	62	0/8
285	0.67	220.2	62	0
286	0.12	200.6	42	0
287	0.90	86.6	42	0
288	2.07	102.3	42	0
289	2.84	110.4	42	0
290	3.79	110.9	42	0
291	5.08	96.0	42	0
292	6.98	105.2	42	0
293	9.06	110.1	42	0
294	10.11	96.3	42	0
295	11.14	104.5	42	0
296	13.37	97.7	42	0
297	14.27	101.1	42	0
298	16.65	118.9	42	0
299	19.03	119.2	24	0
300	20.78	115.2	24	0

Table 3, continued.

Shot Number 8108 Shot Point 8102 Deployment 4
Shot Time (Julian day, hr, min, sec): 181:08:00:00.033

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
201	168.47	84.3	6	0
202	170.54	84.0	6	0
203	172.17	83.7	6	0
204	173.83	83.8	24	0
205	175.67	84.0	6	0
206	177.27	84.1	6	0
207	178.88	83.9	6	0
208	180.64	83.8	6	0
209	182.45	83.8	6	0
210	184.46	83.8	6	0
211	186.96	83.7	6	0
212	188.45	83.7	6	0
213	189.98	83.5	24	0
214	191.43	83.1	6	0
215	193.13	82.8	6	0
216	194.88	82.6	6	0
217	196.76	82.3	6	0
218	198.68	82.3	6	0
219	200.35	82.5		25
220	202.09	82.7	6	0
221	203.82	82.5	6	0
222	205.44	82.6	6	0
223	206.64	82.7	6	0
224	208.29	82.6	6	0
225	209.54	82.9	6	0/11
226	210.52	83.3	6	0
227	211.52	83.6	6	0
228	212.53	83.7	6	0
229	213.45	83.7	6	0
230	214.72	83.9	6	0
231	216.57	83.9	6	0
232	217.62	83.9	6	0
233	218.38	84.2	24	0/12
234	219.52	84.0	24	0
235	221.54	83.9	6	0
236	222.37	83.8	6	0/26
237	223.20	83.8	6	0
238	224.00	83.8	6	0
239	225.09	83.7	6	0
240	225.86	83.8	6	0
241	119.91	79.9	6	0
242	121.64	80.1		17
243	123.25	80.5	6	0
244	124.89	80.9	6	0
245	126.13	81.4	6	0
246	127.68	81.6	6	0
247	129.35	81.8	6	0
248	130.65	82.1		9/17/22
249	132.31	82.4	6	0
250	133.73	82.7	6	0/12
251	135.41	82.7	6	0
252	136.74	82.6	6	0
253	138.33	82.4	6	0
254	140.00	82.3	6	0
255	141.70	82.2	6	0
256	143.37	82.5	6	0
257	144.23	82.4	6	0
258	145.05	82.4	6	0
259	145.79	82.4	6	0
261	147.33	82.4	6	0
262	148.15	82.4	6	0
263	148.95	82.3	6	0
264	149.63	82.3	6	0
265	150.36	82.4	6	0
266	150.88	82.6	6	0
267	151.65	82.8	6	0
268	152.34	83.1	6	0
269	152.81	83.3	6	0
270	153.30	83.6	6	0
272	154.50	84.3	24	0
273	156.60	84.3	6	0
274	157.29	84.7	6	0
275	158.75	84.9	6	0
276	160.66	84.8	42	0
277	162.38	84.9	6	0
278	163.80	84.8	6	0
279	165.63	84.7	42	0/12
280	167.04	84.5	24	0/12
281	99.19	72.5	6	0
282	99.56	72.7	6	0
283	100.09	72.8	6	0
284	100.68	73.0	6	0
285	101.33	72.9	6	0
286	101.82	72.8	6	0
287	102.76	72.9	6	0
288	103.70	73.3	6	0
289	104.15	73.7	6	0
290	104.90	74.0	6	0
291	106.57	73.8	6	0
292	107.85	74.7	6	0
293	109.24	75.6	6	0
294	111.23	74.8	6	0
295	111.52	75.7	6	0
296	114.16	75.6	6	0
297	114.65	76.1	6	0
298	114.09	78.8	6	0
299	115.87	79.6	6	0
300	118.10	79.5	6	0

Table 3, continued.

Shot Number 8109 Shot Point 8113 Deployment 4
Shot Time (Julian day, hr, min, sec): 182:06:59:59.022

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
201	57.65	262.3	6	0
202	55.55	263.0	6	0
203	53.90	263.9	24	0
204	52.24	263.5	24	0
205	50.41	262.8	24	0
206	48.81	262.6	24	0
207	47.18	263.3	24	0
208	45.40	263.4	6	0
209	43.60	263.6	6	0
210	41.58	263.4	24	0
211	39.07	264.1	6	0
212	37.57	264.1	6	0/21
213	36.04	264.9	24	0/17
214	34.64	267.4	24	0
215	33.01	269.3	24	0
216	31.38	271.3	24	0
217	29.68	273.7	24	0
218	27.77	274.2	24	0
219	26.01	273.7	24	0
220	24.19	273.0		29
221	22.56	274.8	42	0
222	20.90	274.8	24	0
223	19.71	275.3	24	0
224	18.12	276.8		17
225	16.67	274.0	24	0
226	15.53	270.6	24	0
227	14.45	266.8		17
228	13.43	265.5	24	0
229	12.50	264.2	24	0
230	11.25	261.1	42	0
231	9.40	260.2		1
232	8.36	258.9	42	0
233	7.75	252.1	42	0
234	6.50	255.7	42	0
235	4.41	259.0	42	0
236	3.57	259.9	42	0/26
237	2.74	260.8		3
238	1.92	262.0	42	0
239	0.83	267.8	42	0
240	0.07	286.6	94	0
241	106.49	268.1	6	0
242	104.69	268.0		1
243	103.00	267.6	6	0/9
244	101.29	267.3	6	0
245	99.97	266.8	6	0
246	98.37	266.5	6	0
247	96.68	266.4		6
248	95.35	266.1	6	0
249	93.66	265.7	6	0
250	92.21	265.3	6	0/10
251	90.54	265.3	6	0
252	89.22	265.6	6	0
253	87.64	265.8	6	0
254	86.00	266.2	6	0
255	84.30	266.3	6	0
256	82.61	266.0	6	0/9
257	81.75	266.1	6	0
258	80.94	266.2	6	0
259	80.20	266.2		17
261	78.88	266.3	6	0
262	78.05	266.3	6	0
263	77.27	266.7	6	0
264	76.60	266.7	6	0
265	75.84	266.5	6	0
266	75.29	266.1	6	0
267	74.50	265.7	6	0
268	73.78	265.1	6	0
269	73.31	264.7	6	0
270	72.81	264.0	6	0
272	71.66	262.5	24	0
273	69.56	262.5	6	0
274	68.92	261.7	24	0
275	67.49	261.2	6	0
276	65.57	261.3	6	0
277	63.87	261.0		10/17
278	62.44	261.0	6	8
279	60.57	261.3	24	8
280	59.13	261.6	6	0
281	129.82	272.3	6	0
282	129.37	272.3		3
283	128.82	272.3	62	0
284	128.14	272.2	6	0
285	127.55	272.3	6	0
286	127.17	272.5		3
287	126.25	272.6	6	0
288	125.11	272.4	6	0
289	124.45	272.2	6	0
290	123.56	272.0	6	0
291	122.08	272.4	24	0
292	120.37	271.8	6	0/11
293	118.57	271.2	6	0
294	117.08	272.2	6	0
295	116.31	271.4		6
296	113.87	272.0	6	0
297	113.10	271.5	6	0
298	112.56	268.8	6	0
299	110.57	268.2	6	0
300	108.36	268.3	6	0

Table 3, continued.

Shot Number 8110 Shot Point 8111 Deployment 4
Shot Time (Julian day, hr, min, sec): 182:07:14:59.025

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
201	20.34	99.2	6	21
202	22.19	95.9	24	0
203	23.65	93.1	24	0
204	25.35	93.3	24	0
205	27.26	93.9	24	0
206	28.87	93.7	24	0
207	30.37	92.0	24	0
208	32.10	91.3	24	0
209	33.88	90.6	24	0
210	35.90	90.4	24	0
211	38.34	89.4	24	0
212	39.83	89.1	24	6
213	41.32	88.3	24	0
214	42.69	86.1	24	0
215	44.36	84.7	24	0
216	46.10	83.5	24	0
217	47.98	82.4	24	0
218	49.90	82.5	6	0
219	51.58	83.2	6	0
220	53.33	83.8	6	0
221	55.06	83.4	6	0
222	56.69	83.7	6	0
223	57.89	83.8	6	0/9
224	59.54	83.6	6	0
225	60.81	84.7	6	0/9
226	61.83	85.7	6	0
227	62.87	86.7	6	0/12
228	63.89	86.9	24	0
229	64.83	87.2	6	0
230	66.14	87.6	24	0
231	67.99	87.6		1
232	69.05	87.6	24	0/12
233	69.86	88.3	24	0/12
234	70.96	87.7	24	0/12
235	72.95	87.1	24	0/12
236	73.78	87.0	42	0/12/26
237	74.60	86.9		3
238	75.40	86.8	6	0
239	76.49	86.7	6	0
240	77.26	86.7	24	0
241	29.56	271.9	24	0
242	27.74	271.5		1
243	26.01	270.4	24	0
244	24.26	269.1	24	0
245	22.92	267.1	24	0
246	21.32	265.8	24	0
247	19.62	265.1		6
248	18.30	263.4	24	0
249	16.65	261.0	42	0
250	15.26	258.5	42	0
251	13.59	257.7	42	0
252	12.23	258.5	42	0
253	10.62	259.7	42	0
254	8.93	262.1	24	0
255	7.22	262.2	42	0/12
256	5.58	256.6	42	0
257	4.71	256.6	42	0/12
258	3.90	255.6	42	0
259	3.15	255.4	42	0
261	1.63	248.8	42	0
262	0.89	231.8	42	0
263	0.06	127.6	42	0
264	0.72	84.6	42	0
265	1.50	97.0	42	0
266	2.18	107.8	42	0
267	3.12	111.2	42	0
268	4.12	116.5	42	0
269	4.76	118.1	42	0
270	5.70	122.8	42	0
272	7.85	128.2	42	0
273	9.48	119.4	42	0
274	10.58	121.5	42	0
275	12.05	119.1	42	0
276	13.58	113.8	42	0
277	15.21	111.5	24	0
278	16.44	108.9	24	0
279	17.97	105.1	42	0/12
280	19.20	102.7	24	0
281	53.83	280.4	6	0
282	53.36	280.3		3
283	52.81	280.4	6	0
284	52.12	280.4	6	0
285	51.58	280.8	6	0
286	51.27	281.3	6	0
287	50.38	281.7	6	0
288	49.18	281.4	24	0
289	48.45	280.9	24	0
290	47.51	280.7	6	0
291	46.19	282.0	24	0
292	44.29	280.9		3
293	42.32	279.6		3
294	41.19	282.7	24	0
295	40.14	280.6	24	0
296	37.91	282.8	24	0
297	36.98	281.6	24	0
298	35.73	273.4	24	0
299	33.64	271.5	24	0
300	31.47	272.4	24	0

Table 3, continued.

Shot Number 8111 Shot Point 8102 Deployment 5
Shot Time (Julian day, hr, min, sec): 190:07:00:00.015

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
301	34.70	56.4	24	0
302	32.96	55.4		17
303	31.38	54.1	24	0
304	28.82	52.7	24	0
305	27.62	50.8	24	0
306	27.49	47.4	24	0
307	28.07	43.9	24	0
308	27.44	40.9		3
309	26.53	40.0	24	0
310	25.64	38.3		3
311	25.09	36.9	42	0
312	24.47	34.5	24	82
313	23.15	39.6	24	0
314	21.33	38.9	42	0
315	19.83	36.6	42	0
316	18.30	34.2	42	0
317	16.66	32.7	42	0
318	15.65	35.4	42	0
319	14.44	41.7		1
320	12.97	46.5	42	0
321	47.31	58.0	24	0
322	48.13	58.6	24	0
323	48.70	59.3	24	0
324	49.87	60.5		1
325	50.83	60.2	24	0
326	51.82	59.9	24	0
327	52.78	59.5	42	0
328	53.65	59.1		3
329	55.25	59.6	6	0
330	56.30	60.2		1
331	46.77	58.3		6/9
332	46.01	58.4		1
333	44.92	58.3	24	0
334	43.95	58.8	24	0
335	42.85	59.2	42	0
336	42.22	58.0	42	0
337	41.27	56.7		3
338	40.19	55.1	42	0
339	38.40	54.9	24	0
340	36.28	55.8	24	0
341	11.15	40.3	42	0
342	9.92	39.2	42	0
343	8.24	37.5	42	0
344	6.45	26.8	42	0
345	5.46	29.1	42	0
346	4.47	29.6	42	0
347	3.43	20.7	42	0
348	3.36	9.4	42	0
349	2.64	356.9	42	0
350	1.78	359.2	62	0
351	0.63	338.2	62	0
352	0.09	286.1	82	0
353	4.07	245.5	42	0
354	7.81	245.8	42	0
355	12.93	240.9	42	0
356	19.02	237.3	42	0
357	23.20	242.6	42	0
358	28.80	244.3	24	0
359	32.45	240.5	24	0
361	98.50	72.7		21
362	97.73	72.8	6	0
363	96.85	72.7	6	0
364	96.14	72.7	6	0
365	95.46	72.5	6	0
366	94.71	72.3	6	0/12
367	93.96	72.3	6	0
368	92.66	72.3	6	0
369	91.50	72.5	6	0
370	90.71	71.8	6	0
371	89.35	71.5	24	0
372	88.49	72.1	6	0
373	87.11	71.8	6	0
374	85.45	72.1	6	0
375	84.46	71.3	6	0
376	83.38	70.9	6	0/12
377	82.14	70.4	6	0
378	80.76	70.1	6	0
381	57.34	60.5	6	0
382	58.48	61.8	24	0
383	58.48	63.1		9
384	59.14	64.1	24	0
385	59.72	65.1	6	0
386	60.35	66.4	6	0
387	60.59	68.7	6	0/9
388	63.39	67.4	6	0
389	64.38	68.1	6	0
390	65.08	69.1	6	0
391	65.68	70.2	6	0
392	77.46	68.5	6	0
393	76.15	68.2	6	0
394	75.09	68.0	6	0
395	73.96	67.6	6	0
396	73.16	68.1	6	0
397	71.92	67.7	6	0
398	70.62	68.5	6	0
399	69.33	69.1	6	0
400	68.19	69.8	6	0

Table 3, continued.

Shot Number 8112 Shot Point 8114 Deployment 5
Shot Time (Julian day, hr, min, sec): 190:07:15:00.021

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
301	69.44	260.8	24	0
302	71.27	260.6		17
303	73.00	260.6		3
304	75.64	260.2	24	0
305	77.13	260.4	6	0
306	78.10	261.4	6	0
307	78.61	262.6	6	0
308	79.82	263.1	6	0
309	80.78	262.9	6	0
310	81.96	262.9		3
311	82.78	262.9	6	0
312	83.95	263.1	6	82
313	83.39	261.4	6	0
314	84.95	260.7	6	0
315	86.59	260.5	6	0
316	88.24	260.1	6	0
317	89.71	259.6	6	0
318	89.90	258.8	6	0
319	89.79	257.5		1
320	90.41	256.3	6	0
321	57.56	264.8	24	0
322	56.63	264.7	24	0
323	55.83	264.4	24	0
324	54.37	263.9		1
325	53.59	264.6	6	0
326	52.79	265.3	6	0
327	52.09	266.1	6	0
328	51.47	266.9	24	0
329	49.84	267.3	24	0
330	48.64	267.2		1
331	57.92	264.3	24	0
332	58.58	263.9		1
333	59.61	263.5	24	0
334	60.34	262.8	42	0
335	61.23	262.1	42	0
336	62.15	262.6	42	0
337	63.43	263.1	24	0
338	64.89	263.5	24	0
339	66.55	262.9	24	0
340	68.18	261.6	24	0
341	92.64	256.4	6	0
342	93.75	256.1	6	0
343	95.25	255.6	6	0
344	97.49	255.4	6	0
345	97.99	254.9	6	0
346	98.66	254.5	6	0
347	99.80	254.3	6	0
348	100.40	254.4	6	0
349	101.26	254.2	6	0
350	101.38	253.7	6	0
351	101.94	253.1	6	0
352	101.96	252.8	6	0
353	105.93	252.5	6	0
354	109.64	252.2	6	0
355	114.57	251.4	6	0
356	120.34	250.3	6	0
357	124.78	250.9	6	0
358	130.42	250.9	6	0
359	133.77	249.8	6	0
361	3.40	254.1	42	0
362	4.18	251.4	42	0
363	5.06	254.3	42	0
364	5.76	253.2	42	0/11
365	6.46	255.9	42	0
366	7.23	258.3	42	0
367	7.98	257.4	42	0/15
368	9.28	257.2	42	0
369	10.42	255.2	42	0
370	11.31	259.9	42	0
371	12.71	261.1	42	0
372	13.46	256.8	42	0
373	14.89	258.1	42	0
374	16.51	256.1	42	0
375	17.61	259.6	24	0
376	18.77	260.8		21
377	20.13	262.3	42	0
378	21.56	262.5	42	0
381	47.57	267.5	6	0
382	45.98	266.6	24	0
383	45.48	265.2		9
384	44.51	264.3	24	0
385	43.61	263.2	6	0
386	42.63	261.7	24	0
387	41.88	258.6	24	0
388	39.42	261.3	6	0
389	38.27	260.5	24	0
390	37.39	259.1	24	0
391	36.61	257.3	6	0
392	25.51	265.8		21
393	26.87	265.8	24	0
394	27.97	265.6	24	0
395	29.17	265.8	24	0
396	29.77	264.3	24	0
397	31.08	264.4	24	0
398	32.10	262.1	24	0
399	33.20	260.4	24	0
400	34.18	258.5	24	0

Table 3, continued.

Shot Number 8113 Shot Point 8113 Deployment 5
Shot Time (Julian day, hr, min, sec): 190:07:30:00.015

Loc	Dist (km)	Azim (deg)	Tape Db	Tape Grade
301	195.57	268.4	6	0
302	197.35	268.3		17
303	199.06	268.2	24	0
304	201.62	268.0	6	0
305	203.13	268.0	6	0
306	204.24	268.3	6	0
307	204.92	268.8	6	0
308	206.39	268.9	6	0
309	207.33	268.8	6	0
310	208.49	268.8		3
311	209.31	268.8	6	0
312	210.50	268.8	6	82
313	209.71	268.2	6	0
314	211.14	267.8	6	0
315	212.73	267.7	6	0
316	214.31	267.5	6	0
317	215.65	267.2	6	0
318	215.68	266.9	6	0
319	215.29	266.3		1
320	215.64	265.8	6	0
321	184.24	270.1	6	0
322	183.31	270.2	6	0
323	182.48	270.1	6	0/15
324	181.00	270.0		1
325	180.28	270.2	6	0
326	179.54	270.4	6	0
327	178.90	270.7	6	0
328	178.34	270.9	24	0
329	176.73	271.1	6	0
330	175.54	271.1		1
331	184.55	270.0	6	0
332	185.18	269.8		1
333	186.16	269.7	6	0
334	186.81	269.4	6	0
335	187.62	269.2	6	0
336	188.59	269.3	6	0
337	189.90	269.4	6	0
338	191.40	269.5	6	0
339	192.99	269.3	6	0
340	194.44	268.8	6	0
341	217.86	265.8	6	0
342	218.87	265.6	6	0
343	220.23	265.3	6	0
344	222.39	265.1	6	0
345	222.75	264.9	6	0
346	223.28	264.7	6	0
347	224.34	264.5	6	0
348	224.98	264.6	6	0
349	225.75	264.4	6	0
350	225.73	264.2	6	0
351	226.08	263.9	6	0
352	226.00	263.8	6	0
353	229.80	263.4	6	0
354	233.38	263.2	6	0
355	237.94	262.6	6	0
356	243.19	261.8	6	0
357	247.78	261.8	6	0
358	253.33	261.6	6	0
359	256.18	260.9	6	0
361	130.37	272.1	6	0
362	131.04	271.9		6
363	131.95	271.9	6	0
364	132.59	271.7	6	0
365	133.33	271.8	6	0
366	134.15	271.8	6	0
367	134.85	271.7	6	0
368	136.10	271.5	24	0
369	137.11	271.3	6	0
370	138.18	271.5	6	0
371	139.61	271.5	24	0
372	140.14	271.1	6	0
373	141.59	271.1	6	0
374	143.04	270.7	6	0
375	144.34	271.0	6	0
376	145.55	271.1	6	0
377	146.96	271.2	6	0
378	148.38	271.1	6	0
381	174.48	271.2	6	0
382	172.85	271.0	24	0
383	172.26	270.6		17
384	171.23	270.4	6	0
385	170.26	270.2	6	0
386	169.16	269.9	6	0
387	168.06	269.1	6	0
388	165.94	269.9	6	0
389	164.72	269.8	6	0
390	163.71	269.5	6	0
391	162.72	269.2	6	0
392	152.45	271.4	6	0
393	153.81	271.4	6	0
394	154.89	271.3	6	0
395	156.09	271.3	6	0
396	156.61	271.0	6	0
397	157.91	271.0	6	0
398	158.77	270.5	6	0
399	159.71	270.0	6	0
400	160.49	269.6	6	0

Table 3, continued.

Shot Number 8114 Shot Point 8105 Deployment 5
Shot Time (Julian day, hr, min, sec): 190:07:45:00.018

Loc	Dist (km)	Azim (deg)	Tape Db	Tape Grade
301	12.70	242.3	24	0
302	14.50	243.9		17
303	16.17	245.5	24	0
304	18.85	246.2	24	0
305	20.24	247.9	24	0
306	20.95	252.0	24	0
307	21.23	256.7	24	0
308	22.59	258.9	6	0
309	23.57	258.4	24	0
310	24.75	258.4		3
311	25.56	258.7	24	0
312	26.72	259.4	24	0
313	26.39	254.1	6	0
314	28.06	252.4	24	0
315	29.76	252.0	6	0
316	31.46	251.6	6	0
317	33.05	250.4	24	0
318	33.44	248.4	6	0
319	33.73	244.9		1
320	34.73	242.3	6	0
321	0.05	239.8	94	0
322	0.90	88.9	62	0
323	1.74	97.9	62	0
324	3.26	98.9		1
325	3.93	87.0	42	0
326	4.75	79.1	42	0
327	5.58	72.2	42	0/12
328	6.37	67.3	42	0
329	8.02	69.0	42	0
330	9.15	71.6		1
331	0.65	212.5	42	0
332	1.38	224.4		1
333	2.44	232.8	42	0
334	3.45	228.3	42	0
335	4.60	227.0	42	0
336	5.13	237.9	42	0
337	6.17	247.0	42	0
338	7.49	253.6	42	0
339	9.25	251.2	42	0
340	11.18	245.3	42	0
341	36.88	243.3	6	0
342	38.09	242.8	6	0
343	39.73	242.2	6	0
344	41.96	242.6	6	0
345	42.65	241.5	6	0
346	43.47	240.8	6	0
347	44.67	240.7	6	0
348	45.19	241.2	6	0
349	46.13	240.9	6	0
350	46.45	239.9	6	0
351	47.24	238.8	6	0
352	47.41	238.1	6	0
353	51.39	238.6	6	0
354	55.10	239.1	6	0
355	60.27	238.6	6	0
356	66.38	237.8	6	0
357	70.50	239.5	6	0
358	76.04	240.4	6	0
359	79.78	239.0	6	0
361	54.18	85.5	6	0
362	53.47	85.8	6	0
363	52.56	85.8	6	0
364	51.89	86.1	6	0
365	51.15	85.9	6	0
366	50.34	85.7	6	0
367	49.62	86.0	6	0
368	48.34	86.2	6	0
369	47.28	86.9	6	0
370	46.27	86.0	6	0
371	44.84	85.8	24	0
372	44.23	87.2	6	0
373	42.78	87.1	6	0
374	41.29	88.3	6	0
375	40.01	87.1	6	0
376	38.82	86.7	6	0
377	37.42	86.1	6	0
378	35.99	86.2	6	0
381	10.24	72.2	42	0
382	11.65	77.5		17
383	12.04	83.3	42	0
384	13.02	86.5	42	0
385	13.98	89.7	24	0
386	15.12	93.4	24	0
387	16.53	100.7	6	0
388	18.33	92.2	24	0
389	19.58	93.2	24	0
390	20.66	95.1	24	0
391	21.78	97.5	24	0
392	32.02	84.0	6	0
393	30.65	83.9	6	0
394	29.56	84.0	6	0
395	28.35	83.8	24	0
396	27.75	85.4	24	0
397	26.44	85.3	24	0
398	25.50	88.1	24	0
399	24.56	90.8	24	0
400	23.85	93.8	24	0

Table 3, continued.

Shot Number 8115 Shot Point 8104 Deployment 5
Shot Time (Julian day, hr, min, sec): 190:09:00:00.013

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
301	15.08	94.2	24	0
302	13.37	96.8		3
303	11.73	99.3	42	31
304	9.47	107.2	42	0
305	8.04	110.4	42	0
306	6.58	104.6	42	0
307	5.62	90.6	42	0
308	4.15	83.7	42	0
309	3.20	89.1	42	0
310	2.04	94.2		3
311	1.23	99.8	42	0
312	0.12	170.9	82	0
313	2.60	159.5	42	0
314	3.70	187.2	42	0
315	4.81	204.8	42	0
316	6.25	214.7	42	0
317	7.92	217.7	42	0
318	8.91	212.5	42	0
319	10.40	204.1		1
320	12.19	201.4	42	0
321	26.67	79.7	24	0
322	27.60	79.9	24	0
323	28.38	80.7	24	0
324	29.82	81.7		1
325	30.62	80.6	24	0
326	31.47	79.5	24	0
327	32.25	78.3	42	0
328	32.96	77.3	42	0
329	34.63	77.2	6	0
330	35.80	77.6		1
331	26.28	80.7	24	0
332	25.60	81.4		1
333	24.57	82.2	24	0
334	23.84	83.9	42	0
335	22.98	85.8	42	0
336	22.03	84.6	42	0
337	20.75	83.4	42	0
338	19.29	82.0	42	0
339	17.62	84.0	42	0
340	16.13	89.5	42	0
341	13.52	209.4	42	0
342	14.70	211.0	42	0
343	16.33	212.8	24	0
344	18.18	217.0	24	0
345	19.12	215.8	24	0
346	20.10	215.4	42	0
347	21.23	216.5	24	0
348	21.55	218.1	24	0
349	22.51	218.4	24	0
350	23.12	216.9	24	0
351	24.21	215.6	24	0
352	24.58	214.5	24	0
353	28.12	218.6	24	0
354	31.48	221.8		1
355	36.57	223.4	24	0
356	42.71	224.3	24	0
357	46.29	228.0	24	0
358	51.54	230.5	24	0
359	55.54	229.2	6	0
361	80.61	83.5	6	0
362	79.88	83.8	6	0
363	79.18	83.7	6	0
364	78.51	83.9	6	0
365	77.78	83.7	6	0
366	76.97	83.6	6	0
367	76.25	83.8	6	0
368	74.96	83.9	24	0
369	73.88	84.3	6	0
370	72.89	83.6	6	0
371	71.47	83.5	24	0
372	70.82	84.4	6	0
373	69.36	84.2	6	0
374	67.83	84.9	6	0
375	66.61	84.1	6	0
376	65.42	83.8	6	0
377	64.05	83.4	24	0
378	62.62	83.4	24	0
381	36.89	77.6	24	0
382	38.36	79.0		1
383	38.74	80.8		3
384	39.68	81.9	24	0
385	40.56	83.1	24	0
386	41.57	84.6	24	0
387	42.57	87.6		6
388	44.79	84.7	24	0
389	45.99	85.4	24	0
390	46.97	86.4	42	0
391	47.92	87.6	24	0
392	58.70	82.0		6
393	57.33	81.9	6	0
394	56.24	81.9	6	0
395	55.04	81.8	24	0
396	54.41	82.5	6	0
397	53.10	82.4	6	0
398	52.09	83.8	24	0
399	51.04	85.0	24	0
400	50.20	86.3	24	0

Table 3, continued.

Shot Number 8116 Shot Point 8110 Deployment 6
Shot Time (Julian day, hr, min, sec): 225:07:15:00.020

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
401	0.10	330.3	94	0
402	0.18	143.5	94	0
403	0.66	181.6	88	0
404	1.33	188.2	68	0
405	2.08	181.4	68	0
406	2.87	176.3	62	0
407	3.83	175.1	62	0
408	4.65	167.1		1
409	5.54	165.2	52	0
410	6.46	160.7	48	0
411	7.62	154.0	24	0
412	8.30	157.8	48	0
413	9.16	161.0		3
414	9.82	164.3	42	0
415	10.76	165.8	42	0
416	12.38	169.1	42	0
417	13.90	169.3	42	0
418	15.40	172.8	42	0
419	17.05	173.3	42	0
420	18.67	172.3	42	0
421	64.42	181.6		1
422	65.87	182.4	6	0
423	67.69	182.7	24	0
424	68.99	181.9	6	0
425	63.56	181.0	6	0/9
426	70.67	183.0	6	0
427	72.07	181.9	6	0
428	73.66	181.7	6	0
429	75.02	179.8	6	0
430	76.49	178.4	6	0
431	78.35	178.7	6	0
432	79.86	179.0	6	0/12
433	81.74	179.7	6	0/12
434	85.14	181.0	6	0
435	83.13	180.2	6	0
436	62.62	181.2	24	0
437	83.88	180.5	6	0
438	84.42	180.7	6	0
439	86.11	181.2	6	0
440	61.68	182.2	6	0
441	20.55	171.8	42	0
442	21.83	173.8	42	0
443	22.62	180.1	24	0
444	24.07	187.3	42	0
445	25.59	188.4	24	0
446	27.36	188.8	24	0
447	29.05	189.4	42	0
448	30.74	189.6	24	0/25
449	32.40	190.0	24	0
450	34.02	189.7	24	0
451	35.53	188.9	24	0
452	37.13	188.4	24	0
453	38.84	188.2	24	0
454	40.38	188.4	24	0/25/26
455	41.75	188.4	24	0
456	42.55	188.5		1
457	43.41	187.8	24	0
458	44.47	187.7	6	0
459	45.43	187.0	6	0
460	46.25	186.1	6	0
461	46.92	186.1	6	0
462	47.71	186.0	6	0
463	48.69	185.8	6	0
464	49.70	185.0	6	0
465	50.49	185.1	6	0
466	51.30	185.2	6	0
467	52.08	185.3	24	0
468	52.90	185.6	24	0
469	53.39	185.6	6	0
470	54.32	185.6	6	0
471	55.13	185.8	24	0
472	56.04	185.2	24	0
473	56.94	184.8	6	0
474	57.76	184.3	6	0
475	58.56	183.9	24	0/15/26
476	59.57	183.8	24	0
477	60.31	183.5	6	0
478	61.11	183.4	6	0
481	87.18	180.9	6	0
482	87.79	181.0	6	0/12
483	88.66	180.9	24	0/12
484	89.58	181.4	6	0/12
485	90.38	181.4	6	0/12
486	91.15	181.3	6	0/12
487	91.88	180.9	6	0
488	92.71	180.7	6	0
489	93.41	180.6	6	0
490	94.09	180.6	6	0/10
491	95.05	180.5		1
492	100.59	179.7	6	0
493	105.03	179.5	6	0
494	110.04	178.1	6	0
495	115.12	178.0	6	0
496	121.19	176.6	6	0
497	124.93	176.5	6	0
498	129.69	176.5	6	0
499	134.22	176.3	6	0/10
500	139.12	176.8	6	0

Table 3, continued.

Shot Number 8117 Shot Point 8112 Deployment 6
Shot Time (Julian day, hr, min, sec): 225:07:30:00.894

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
401	95.12	0.4	6	0
402	94.89	0.5	6	0
403	94.37	0.5	6	0
404	93.72	0.4	6	0
405	92.96	0.5	24	0
406	92.17	0.6	6	0
407	91.22	0.7	6	0
408	90.51	1.2		1
409	89.70	1.4	6	0
410	88.97	1.9	6	0
411	88.28	2.7	6	0
412	87.43	2.6	6	0
413	86.44	2.5		1
414	85.64	2.3	6	0
415	84.66	2.3	6	0
416	82.92	2.2	24	0
417	81.42	2.4	24	0
418	79.69	2.0	24	0
419	78.03	2.0	24	0
420	76.49	2.5	24	0
421	30.54	358.1		1
422	29.17	356.2	24	0
423	27.42	354.8	42	0
424	26.02	356.6	24	0
425	31.37	359.5	24	0
426	24.51	353.3	24	0
427	22.95	355.8	42	0
428	21.34	356.1	42	0
429	19.93	3.0	42	0
430	18.69	9.0	42	0
431	16.79	8.9	42	0
432	15.24	8.3	42	0
433	13.33	5.2	42	0
434	9.91	356.1	42	0
435	11.90	2.3	42	0
436	32.32	359.0	42	0
437	11.14	0.4	42	0
438	10.61	358.7	42	0
439	8.99	353.4	42	0/25
440	33.33	357.2	24	0
441	74.67	2.9	24	0
442	73.29	2.5	24	0
443	72.30	0.6	6	0/9
444	71.08	358.2	24	0
445	69.67	357.6	24	0
446	67.97	357.1	24	0
447	66.38	356.6	6	0
448	64.75	356.2	24	0/25
449	63.20	355.6	24	0
450	61.59	355.4	24	0
451	60.01	355.5	24	0
452	58.38	355.4	24	0
453	56.67	355.2	24	0
454	55.22	354.6	24	0
455	53.89	354.3	24	0
456	53.13	354.0		1
457	52.16	354.4	24	0
458	51.12	354.1	6	0
459	50.05	354.5	24	0
460	49.11	355.2	24	0
461	48.45	355.0	24	0
462	47.66	354.9	24	0
463	46.66	354.9	24	0
464	45.56	355.5	24	0
465	44.79	355.2	24	0
466	44.00	355.0	6	0
467	43.26	354.6	24	0
468	42.51	354.0	24	0
469	42.03	353.9	24	0
470	41.12	353.6	24	0
471	40.36	353.1	62	0
472	39.34	353.7	24	0
473	38.39	354.0	24	0
474	37.49	354.5	24	0
475	36.63	355.0	24	0
476	35.63	354.9	24	0
477	34.84	355.2	24	0
478	34.04	355.1		12
481	7.87	355.8	42	0/31
482	7.28	354.3	42	0/31
483	6.39	355.2		6
484	5.65	345.5	52	0/23/31
485	4.88	343.4	58	0/23/31
486	4.13	340.9	62	0/23/31
487	3.22	348.0		25
488	2.35	351.6	64	0/23/31
489	1.64	352.0	70	0/23/31
490	0.97	348.1	88	0/23/31
491	0.09	257.6		1
492	5.73	165.8	48	0
493	10.14	170.2	42	0
494	15.57	163.6	42	0
495	20.56	166.6	42	0
496	27.14	162.7	42	0
497	30.84	163.9	42	0
498	35.49	165.6	42	0
499	40.03	166.1	24	0
500	44.66	168.9	24	0

Table 3, continued.

Shot Number 8118 Shot Point 8105 Deployment 6
Shot Time (Julian day, hr, min, sec): 225:07:45:00.010

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
401	121.82	67.0	6	0
402	121.88	67.1	6	0
403	121.56	67.3	24	15
404	121.16	67.6	6	0
405	121.00	67.9	6	0
406	120.93	68.3	6	0
407	120.72	68.7	6	0
408	121.13	69.2		1
409	121.20	69.6	6	0
410	121.62	70.1	6	0
411	122.51	70.6	6	0
412	122.05	70.9	6	0
413	121.59	71.3		1
414	121.04	71.6	6	0
415	120.72	72.1	6	0
416	119.93	72.8	6	0
417	119.73	73.5	6	0
418	118.67	74.2	6	0
419	118.28	75.0	6	0
420	118.41	75.8	6	0
421	112.06	98.6		1
422	111.40	99.4		3
423	111.19	100.3	24	0
424	112.37	100.9	6	0
425	112.64	98.1	6	0/9
426	111.40	101.8	6	0
427	112.89	102.4	6	0/9
428	113.48	103.2	6	0/8
429	116.20	103.6	6	0
430	118.38	104.0	6	0/12
431	118.56	105.0	6	0
432	118.59	105.7	6	0
433	118.17	106.7	6	0
434	117.43	108.5	6	0
435	117.87	107.4	6	0/9
436	112.23	97.6	6	0
437	117.73	107.8	6	0
438	117.61	108.1	6	0
439	117.41	109.0	6	0
440	111.05	97.2	6	0
441	118.41	76.7	6	0
442	117.54	77.3	6	0/12
443	114.99	77.5	6	0/12
444	111.81	77.7	6	0/12
445	110.85	78.4	6	0
446	110.07	79.2	6	0
447	109.26	80.0		12
448	108.63	80.8		25
449	107.87	81.6	6	0
450	107.57	82.5		15
451	107.60	83.3	6	0
452	107.53	84.2	6	0
453	107.27	85.1	6	0
454	106.77	85.9		25
455	106.52	86.6	6	0
456	106.25	87.0		1
457	106.67	87.5	6	0
458	106.51	88.1	6	0
459	106.97	88.6	6	0
460	107.58	89.1	6	0
461	107.50	89.5	6	0
462	107.45	89.9	6	0
463	107.56	90.4	6	0
464	108.14	91.0	6	0
465	108.02	91.4	6	0
466	107.93	91.8	6	0
467	107.73	92.2	6	0
468	107.44	92.6	6	0
469	107.42	92.9	6	0
470	107.37	93.4	6	0
471	107.19	93.8	24	0
472	107.79	94.3	6	0
473	108.15	94.8	6	0
474	108.66	95.2	6	0
475	109.15	95.6	24	0/15/31
476	109.24	96.2	6	0
477	109.60	96.5	6	0
478	109.73	97.0		25
481	118.19	109.4	6	0/6
482	118.27	109.7	6	0/6
483	118.75	110.1	6	0/6
484	118.25	110.6	6	0
485	118.56	111.0	6	0
486	118.89	111.3	6	0
487	119.80	111.6		15
488	120.41	111.9	6	0
489	120.79	112.1	6	0
490	121.08	112.4	6	0
491	121.56	112.8		1
492	125.20	114.9	6	0
493	127.46	116.6	6	0
494	132.14	118.0	6	0
495	134.94	119.8	6	0
496	140.83	121.2	6	0
497	143.22	122.4	6	0
498	146.11	123.9	6	0
499	149.30	125.2	6	0
500	151.48	126.9	6	0

Table 3, continued.

Shot Number 8119 Shot Point 8111 Deployment 6
Shot Time (Julian day, hr, min, sec): 225:09:00:00.511

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
401	52.95	5.6	24	0	434	32.64	173.3	24	0	467	0.85	26.2	82	0
402	52.74	5.8	6	0	435	30.82	170.8	24	0	468	0.05	130.7	94	0
403	52.21	5.7	24	0	436	10.72	158.7	42	0	469	0.52	180.0	88	0
404	51.55	5.6	24	0	437	31.50	171.7	42	0	470	1.45	184.6	70	0
405	50.80	5.9		3	438	31.98	172.4	42	0/12	471	2.26	188.9	62	0
406	50.05	6.2	24	0	439	33.55	174.1	24	0	472	3.20	176.8	62	0
407	49.12	6.5	24	0	440	9.45	162.6	42	0	473	4.15	173.7	58	0
408	48.48	7.4		1	441	33.29	14.2	24	0	474	5.07	169.9	54	0
409	47.72	8.0	24	0	442	31.84	13.8	24	0	475	5.96	167.5	48	0
410	47.09	9.0	24	0	443	30.43	9.8	24	0	476	6.94	169.4	42	0
411	46.57	10.6	6	0	444	28.82	4.4	24	0	477	7.74	168.5	42	0
412	45.71	10.6	24	0	445	27.34	3.1	24	0	478	8.54	169.3		3
413	44.71	10.6		1	446	25.60	2.3	24	0	481	34.68	173.6	24	0
414	43.88	10.4		3	447	23.96	1.2	24	0	482	35.27	173.9	24	0
415	42.91	10.6	24	0	448	22.30	0.3	42	0	483	36.15	173.7		6
416	41.16	10.6	24	0	449	20.71	358.9	42	0	484	36.96	175.3	24	0
417	39.73	11.4	24	0	450	19.09	358.5	42	0	485	37.76	175.3	24	0
418	38.02	10.9	24	0	451	17.51	359.1	24	0	486	38.53	175.3	24	0
419	36.40	11.4	24	0	452	15.89	359.3	42	0	487	39.34	174.5		25
420	34.98	12.8	24	0	453	14.17	358.8	42	0	488	40.19	174.1	24	0
421	12.27	163.7		1	454	12.69	356.9	42	0/25	489	40.90	174.0	24	0
422	13.44	169.1	42	0	455	11.35	355.6	42	0	490	41.58	174.1	24	0
423	15.13	172.4	42	0	456	10.59	354.0		1	491	42.55	174.1		3
424	16.60	169.8	42	0	457	9.62	356.2	42	0	492	48.22	173.0	24	0
425	11.70	159.2	42	0/17	458	8.58	354.9	42	0	493	52.66	173.2	24	0
426	18.03	174.9	24	0	459	7.52	357.8	46	0	494	57.92	171.2	6	0
427	19.62	171.8	42	0	460	6.64	2.9	46	0	495	62.98	171.6	24	0
428	21.23	171.8	42	0	461	5.96	2.5	52	0	496	69.36	169.6	6	0
429	23.07	166.2	42	0	462	5.17	2.3	54	0	497	73.10	169.8	6	0
430	24.96	162.8	24	0	463	4.18	4.3	58	0	498	77.83	170.2	6	0
431	26.67	164.6	24	0	464	3.23	15.7	62	0	499	82.46	170.2	6	0
432	28.03	166.2	24	0/13	465	2.44	17.3	62	0	500	87.21	171.4	6	0
433	29.59	168.9	24	0	466	1.64	21.8	70	0					

Table 3, continued.

Shot Number 8120 Shot Point 8103 Deployment 7
Shot Time (Julian day, hr, min, sec): 228:10:30:00.015

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
501	93.72	4.6	6	0/9	533	39.94	359.5	24	0	565	1.29	358.5	82	0
502	93.84	4.1	6	3/24	534	39.44	0.8	24	0	566	0.94	336.1	88	0
503	93.72	3.7	6	0	535	38.97	2.9	24	0	567	0.47	326.9	88	0
504	93.28	3.5	6	0	536	38.34	4.7	24	0	568	0.06	288.6	94	0
505	92.55	3.4	24	0	537	37.58	5.4	24	0	569	5.33	180.6	58	0
506	91.89	3.0	24	0	538	37.07	5.9	24	0	570	10.56	190.7	42	0
507	91.36	2.8	24	0	539	36.49	6.2	24	0	571	15.69	191.2	42	0
508	90.57	2.6	24	0	540	35.30	10.2	24	0	572	20.66	194.1	42	0
509	89.89	2.2	24	0	541	33.91	11.6	24	0	573	26.67	186.1	24	0
510	89.17	1.2	24	0	542	32.10	14.1	24	0	574	31.24	179.1	42	0
511	88.84	0.9	24	0	543	30.49	15.1	24	0	575	36.41	176.2	42	0
512	88.48	1.8	24	0	544	28.71	14.8	42	0	581	75.28	1.3		25
513	87.64	2.0	24	0	545	26.90	14.3	42	0	582	73.82	0.4	6	0
514	86.11	2.3	24	0	546	25.38	14.4	42	0	583	72.32	1.2	24	0/22
515	85.00	1.8	24	0	547	23.77	14.3	42	0	584	70.82	3.1	24	0
516	83.43	1.3	24	0	548	21.98	9.9	24	0	585	69.06	3.5	6	0
517	81.93	0.7	24	0	549	20.25	8.6	42	0	586	67.38	4.2	24	0
518	80.34	0.2	24	0	550	18.06	8.9	42	0	587	65.82	3.9		25
519	78.41	359.6	24	0	551	16.57	9.7	42	0	588	64.20	3.5	24	0
520	76.96	0.3	6	0	552	14.91	12.5	42	0	589	62.51	3.6	24	0
521	46.51	358.7	62	0/6	553	13.56	13.4	42	0	590	60.72	2.9	24	0
522	45.83	358.8	24	0	554	11.62	16.9	42	0	591	59.08	1.2	24	0
523	45.21	358.9	24	0	555	10.19	22.7	42	0	592	57.58	3.9		25
524	44.71	358.8	24	0	556	8.83	26.3	42	0	593	56.09	3.4	24	0
525	44.27	359.0	24	0	557	7.18	25.9	42	0	594	54.23	2.2	24	0
526	43.85	358.8		3	558	6.20	27.2	42	0	595	52.57	1.0	24	0
527	43.22	358.7	24	0	559	5.60	29.3	42	0	596	50.95	0.2	24	0
528	42.61	359.0	24	0	560	4.64	20.3	42	0	597	49.15	359.9	52	0
529	42.26	359.1	24	0	561	4.21	19.4	62	0	598	48.45	359.8	24	0
530	41.62	358.6	24	0	562	3.59	16.9	68	0/6	599	47.80	359.4	24	0
531	41.15	357.0	24	0	563	2.94	23.0	70	0	600	47.05	358.9	24	0
532	40.38	358.2	24	0	564	2.29	16.5	70	0					

Table 3, continued.

Shot Number 8121 Shot Point 8101 Deployment 7
Shot Time (Julian day, hr, min, sec): 228:10:45:00.012

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
501	0.05	209.6	94	0
502	0.81	279.6	88	0
503	1.42	272.3	76	0
504	1.81	258.5	70	0
505	2.24	241.1	70	0
506	3.13	236.9	68	0
507	3.81	234.5	68	0
508	4.48	228.2	62	0
509	5.47	228.3	58	0
510	7.02	232.0	48	0
511	7.62	232.5	48	0
512	6.92	223.5	48	0
513	7.34	216.9	48	0
514	8.45	208.6	42	0
515	9.80	209.8	42	0
516	11.47	208.8	42	0
517	13.20	209.1	42	0
518	14.93	208.6	42	0
519	16.97	208.2	42	0
520	17.88	203.5	42	0
521	47.63	190.3	24	0
522	48.28	190.1	6	0
523	48.87	189.8	24	0
524	49.38	189.8	24	0
525	49.78	189.5	24	0
526	50.22	189.6	24	0
527	50.85	189.6	24	0
528	51.42	189.2	24	0
529	51.74	189.0	6	0
530	52.44	189.3	24	0
531	53.15	190.5	6	0
532	53.72	189.4	24	0
533	54.00	188.4	6	0
534	54.36	187.3	6	0
535	54.72	185.8	24	0
536	55.31	184.5	24	0
537	56.09	184.0	6	0
538	56.61	183.7	24	0
539	57.20	183.6	6	0
540	58.63	181.3	6	0
541	60.15	180.7	24	0
542	62.23	179.7	6	0
543	63.92	179.6	6	0
544	65.60	180.2	24	0
545	67.30	180.8	6	0
546	68.79	181.0	24	0
547	70.34	181.4	6	0
548	71.80	183.0	6	0
549	73.47	183.5	6	0
550	75.66	183.6	6	0
551	77.17	183.5		16
552	78.91	183.1	6	0
553	80.38	183.1	6	0
554	82.44	182.9	6	0
555	84.13	182.5	6	0
556	85.62	182.4	6	0
557	87.11	182.9	6	0
558	88.07	183.1	6	0
559	88.70	183.1	6	0
560	89.30	183.8	6	0
561	89.70	183.9	6	0
562	90.26	184.1	6	0
563	90.98	184.0	6	0
564	91.52	184.3	6	0
565	92.48	184.7	6	0
566	92.94	184.9	6	0
567	93.40	184.8	6	0
568	93.75	184.6	6	0
569	99.10	184.4	6	0
570	104.29	185.2	6	0
571	109.39	185.5	24	0
572	114.21	186.3	24	0
573	120.47	184.9	6	0
574	124.94	183.2	6	0
575	129.95	182.3	6	0
581	18.99	197.7		25
582	20.72	199.5	24	0
583	21.89	195.9	42	0/22
584	22.93	189.1	24	0
585	24.64	187.5	24	0
586	26.28	185.6	24	0
587	27.86	186.3		25
588	29.49	186.9	24	0
589	31.17	186.5	24	0
590	33.01	187.7	24	0
591	34.85	190.3	24	0
592	36.09	185.7		25
593	37.60	186.4	24	0
594	39.54	187.9	24	0
595	41.32	189.1	24	0
596	43.04	189.8	24	0
597	44.85	189.7	24	0
598	45.56	189.7	24	0
599	46.26	189.9	6	0
600	47.07	190.3	24	0

Table 3, continued.

Shot Number 8122 Shot Point 8102 Deployment 7
Shot Time (Julian day, hr, min, sec): 228:11:00:00.018

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
501	51.45	9.1	6	0
502	51.52	8.2	6	0
503	51.35	7.5	6	0
504	50.89	7.2	6	0
505	50.15	7.1	24	0
506	49.45	6.4	24	0
507	48.90	5.9	24	0
508	48.11	5.7	6	0
509	47.39	4.9	6	0
510	46.61	3.2	24	0
511	46.26	2.6	6	0
512	45.96	4.2	24	0
513	45.14	4.8	24	0
514	43.63	5.4	24	0
515	42.48	4.4	24	0
516	40.89	3.7	24	0
517	39.36	2.5	24	0
518	37.75	1.5	24	0
519	35.90	0.2	24	0
520	34.47	1.7	24	0
521	4.01	355.1	62	0
522	3.33	354.9	62	0
523	2.70	356.2	68	0
524	2.21	353.3	70	0
525	1.76	358.0	70	0
526	1.36	349.0	74	0
527	0.76	338.0	74	0
528	0.14	315.1	76	0
529	0.26	168.7	82	0
530	0.96	201.1	70	0
531	2.05	226.4	42	0
532	2.24	196.1	42	0
533	2.59	173.2	42	0
534	3.32	157.7	42	0
535	4.45	143.6	42	0
536	5.76	138.2	42	0
537	6.62	140.4	42	0
538	7.21	141.4	42	0
539	7.77	143.4	24	0
540	10.37	138.4	42	0
541	11.93	141.1	42	0
542	14.19	143.3	42	0
543	15.64	146.7	42	0
544	16.76	151.6	42	0
545	17.98	156.1	24	0
546	19.22	158.8	42	0
547	20.53	161.5	42	0
548	21.32	168.0	24	0
549	22.78	170.7	24	0
550	24.90	172.0	24	0
551	26.40	172.5	24	0
552	28.21	172.1	24	0
553	29.56	172.6	24	0
554	31.64	172.7	24	0
555	33.42	172.1	24	0
556	34.89	172.4	24	0
557	36.25	174.0	24	0
558	37.16	174.6	24	0
559	37.77	174.8	24	0
560	38.22	176.6	24	0
561	38.59	176.9	6	0
562	39.11	177.5	24	0
563	39.84	177.4	24	0
564	40.33	178.1	24	0
565	41.22	179.1	24	0
566	41.64	179.6	24	0
567	42.12	179.4		12
568	42.49	179.2	24	0
569	47.84	179.3	24	0
570	52.90	181.4	24	0
571	57.95	182.3	24	0
572	62.69	184.0	24	0
573	69.06	181.8	6	0
574	73.75	179.1	24	0
575	78.90	177.8	24	0
581	32.84	4.2		25
582	31.34	2.3	24	0
583	29.87	4.2	24	0/22
584	28.57	9.2	24	0
585	26.88	10.6	24	0
586	25.32	12.8	24	0
587	23.72	12.5		25
588	22.06	12.1	24	0
589	20.41	13.1	24	0
590	18.52	11.7	24	0
591	16.67	6.6	24	0
592	15.62	17.0		25
593	14.07	16.5	42	0
594	12.00	13.1	42	0
595	10.19	9.0	42	0
596	8.49	5.5	48	0
597	6.67	5.0	52	0
598	5.97	4.6	52	0
599	5.29	1.9	58	0
600	4.55	356.8	58	0

Table 3, continued.

Shot Number 8123 Shot Point 8105 Deployment 7
Shot Time (Julian day, hr, min, sec): 228:11:15:00.016

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
501	40.97	308.9	6	0
502	41.69	308.4	6	0
503	42.13	307.8	6	0
504	42.16	307.1	6	0
505	41.88	306.1	24	0
506	42.06	304.9	24	0
507	42.17	304.0	6	0
508	41.94	302.9	6	0
509	42.23	301.6	6	0
510	43.13	299.8	6	0
511	43.42	299.1	6	0
512	42.12	299.5	6	0
513	41.39	298.7	6	0
514	40.35	297.0	6	0
515	40.62	295.1	6	0
516	40.60	292.8	6	0
517	40.88	290.4	6	0
518	41.05	287.9	6	0
519	41.38	285.1	6	0
520	40.16	283.5	6	0
521	45.66	242.5	6	0
522	45.93	241.7		25
523	46.13	241.0	6	0
524	46.45	240.5	6	0
525	46.49	239.9	6	0/9
526	46.88	239.6	6	0
527	47.22	238.9	6	0/9
528	47.38	238.2	6	0
529	47.44	237.7	6	0
530	48.12	237.3	6	0
531	49.37	237.5	6	0
532	49.04	236.3	6	0
533	48.52	235.2	6	0
534	48.03	234.1	6	0
535	47.23	232.6	24	0
536	46.73	231.0	24	0
537	46.95	230.0	6	0
538	47.09	229.3	6	0
539	47.38	228.6	6	0/6
540	46.78	225.4	6	0
541	47.46	223.6	6	0
542	48.34	221.0	6	0
543	49.56	219.7	6	0
544	51.25	219.0	6	0
545	52.99	218.4	6	0
546	54.38	217.7	6	0
547	55.87	217.1	6	0
548	58.23	217.9	6	0
549	59.98	217.5	6	0
550	61.86	216.5	6	0
551	63.09	215.7	6	0
552	64.30	214.4	6	0
553	65.48	213.8	6	0
554	67.08	212.7	6	0
555	68.25	211.5	6	0
556	69.53	210.9	6	0
557	71.18	210.8	6	0
558	72.15	210.6	6	0
559	72.74	210.4	6	0
560	73.77	211.0	6	0
561	74.21	211.0	6	0
562	74.85	211.0	6	0
563	75.43	210.6	6	0
564	76.11	210.8	6	0
565	77.24	210.9	6	0
566	77.79	210.9	6	0
567	78.13	210.7	6	0
568	78.35	210.4	6	0
569	83.05	208.5	6	0
570	88.40	208.1	6	0
571	93.36	207.2	6	0
572	98.40	207.0	6	0
573	103.32	204.3	6	0
574	106.39	201.6	6	0
575	110.51	199.7	6	0
581	38.46	281.5		25
582	39.34	279.1	6	0
583	38.20	277.1	6	0/22
584	35.68	275.0	6	0
585	35.18	272.2	6	0
586	34.49	269.3	6	0
587	35.03	266.8		25
588	35.65	264.3	6	0
589	35.88	261.7	6	0
590	37.01	259.2	6	0
591	39.15	257.4	6	0
592	36.98	254.1		25
593	37.96	252.2	6	0
594	39.74	250.3	6	0
595	41.36	248.7	6	0
596	42.70	247.1	6	0
597	43.65	245.0	6	0
598	44.04	244.2	6	0
599	44.61	243.6	6	0
600	45.33	243.0		12

Table 3, continued.

Shot Number 8124 Shot Point 8114 Deployment 8
Shot Time (Julian day, hr, min, sec): 232:07:00:00.001

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
601	52.38	221.7	6	0
602	52.85	222.4	6	0
603	53.19	223.2	6	0
604	53.46	224.0	6	0
605	53.25	224.8		17
606	53.36	226.0	6	0
607	52.70	226.7	24	0
608	52.98	219.4	6	0
609	53.31	216.8	6	0
610	52.31	213.3	6	0
611	55.14	211.7	6	0
612	47.13	213.1	6	0
613	58.14	200.8	6	0
614	63.06	198.9	6	0
615	66.33	196.4	6	0
616	64.82	190.4	6	0
617	66.93	186.4	6	0
618	71.21	183.9	6	0
619	74.37	181.2	24	0
620	79.09	179.2	6	0
621	58.34	267.8		13
622	59.14	268.5	6	0
623	59.76	269.1		1
624	60.12	269.8	6	0/12/15
625	60.18	270.7		1
626	60.64	271.2		3
627	61.10	271.8	6	0
628	61.70	272.4	6	0
629	62.27	273.0	6	0
630	62.77	273.4	6	0
631	63.35	274.2	6	0
632	64.70	274.9	6	0
633	65.68	276.1	6	0
634	66.70	276.2	6	0
635	67.96	276.1	6	0
636	69.31	276.0	6	0
637	70.08	277.1	6	0
638	71.88	277.4	6	0
639	73.49	277.4	6	0
640	74.81	277.9	6	0
641	49.17	251.9		1
642	50.48	253.4	6	0
643	50.69	254.9	6	0
644	51.90	255.1	24	0
645	51.86	256.2	24	0
646	52.41	257.0	24	0
647	53.88	257.4	24	0
648	54.12	258.4	42	0
649	55.20	258.8	42	0
650	56.10	259.3	42	0
651	56.60	259.9	42	0
652	56.22	260.9	42	0/15
653	55.68	262.0	42	0
654	55.94	262.9		1
655	56.44	263.6	24	0/26
656	56.85	264.2		25
657	57.56	264.8	6	0
658	57.02	265.4	6	0
659	56.96	266.3	6	0
660	57.40	267.2		17
661	52.32	227.6	6	0
662	51.98	228.3	6	0
663	51.80	229.3		1
664	51.53	230.1	6	0
665	51.21	231.2	6	0
666	50.60	232.1	6	0
667	49.45	232.6	6	0/6/15
668	48.46	233.7	24	0
669	48.76	235.5	6	0
670	49.25	237.3	6	0
671	49.18	239.1	6	0/30
672	47.94	240.6	6	0/15
673	47.04	242.0	6	0
674	46.57	243.8	6	0
675	46.71	245.5	6	0
676	48.09	247.3	24	0
677	48.26	249.0		16
678	48.50	250.7		25
681	91.18	283.0		2
682	90.21	282.9	6	0
683	89.75	282.7	6	0/22
684	89.05	282.3	24	0
685	88.26	282.0	6	0
686	87.26	281.7	6	0
687	87.08	281.5		25
688	86.03	281.6	6	0
689	85.98	281.1	6	0
690	85.33	280.7	6	0
691	84.48	280.3	6	0
692	83.57	280.2		25
693	82.68	280.2	6	0
694	81.98	280.1	6	0
695	80.77	280.2	6	0
696	80.19	280.2	6	0
697	79.43	279.6	6	0
698	77.80	280.8	6	0
699	76.70	279.8	6	0
700	75.77	278.9	6	0

Table 3, continued.

Shot Number 8125 Shot Point 8105 Deployment 8
Shot Time (Julian day, hr, min, sec): 232:07:30:00.009

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
601	40.73	146.3		25
602	40.21	147.2		3
603	39.59	147.9	24	0
604	38.97	148.6	24	0
605	38.14	148.6		17
606	37.05	149.1	24	0
607	36.30	148.4	24	0
608	42.96	146.3	24	0
609	45.33	145.7	24	0
610	48.06	143.3	24	0
611	50.51	145.6	24	0
612	46.70	137.2	6	0
613	61.37	143.1	24	0
614	65.83	145.7	6	0
615	70.08	146.4	6	0
616	74.32	142.0	6	0
617	79.11	140.8	6	0
618	84.27	141.3	6	0
619	88.96	141.0	6	0
620	94.31	141.5	6	0
621	3.18	341.1		13
622	4.15	333.4	56	0
623	4.93	329.7		1
624	5.75	330.2	48	0
625	6.67	334.0		1
626	7.29	332.4	42	0
627	8.09	331.8	42	0
628	8.95	330.6	42	0
629	9.80	329.8	42	0
630	10.50	329.0	42	0
631	11.47	328.8	24	0
632	12.98	326.2	24	0
633	14.63	326.5	24	0
634	15.38	323.8	24	0
635	16.18	320.2	24	0
636	17.12	316.9	24	0
637	18.56	318.4	24	0
638	20.17	315.8	24	0
639	21.47	313.1		3
640	22.92	312.5	24	0
641	14.57	133.5		1
642	12.80	135.7	24	0
643	11.60	133.7	24	0
644	10.79	138.5	42	0
645	9.99	135.9	42	0
646	9.09	136.6	24	0
647	8.05	144.1	42	0
648	7.13	142.9	42	0
649	6.38	150.2	42	0
650	5.65	157.3	42	0
651	4.91	161.4	42	0
652	4.09	154.1	42	0
653	3.31	139.4	42	0
654	2.48	134.0		1
655	1.64	132.8	42	0
656	0.89	125.6	42	0
657	0.04	236.4	42	0
658	0.76	36.0	42	0
659	1.58	15.9	42	0
660	2.38	358.7		13
661	35.44	148.0	6	0
662	34.75	147.6	24	0
663	33.85	147.6		1
664	33.10	147.3	24	0
665	32.04	146.9	24	0
666	31.21	146.0	24	0
667	30.74	143.9	24	0
668	29.79	142.0	24	0
669	28.27	142.5	24	0
670	26.69	143.3		3
671	25.14	142.9	24	0
672	24.04	139.6	24	0/25
673	23.13	136.8	24	0
674	21.81	134.6	24	0
675	20.47	133.6		3
676	18.56	135.7	24	0
677	17.24	134.5	24	0
678	15.83	133.1		2
681	41.01	308.9		2
682	40.10	309.4	6	0
683	39.49	309.2	6	0
684	38.62	308.9	6	0
685	37.66	308.7	6	0
686	36.58	308.8	6	0
687	36.25	308.5		25
688	35.42	309.6	6	0
689	35.03	308.5	6	0
690	34.18	308.2	6	0
691	33.15	308.0	24	0
692	32.28	308.5		25
693	31.50	309.3	6	0
694	30.80	309.6	6	0
695	29.85	311.1	24	0
696	29.29	311.5	24	0
697	28.07	311.2	6	0
698	27.62	315.9	24	0
699	25.89	314.8	24	0
700	24.47	313.8	24	0

Table 3, continued.

Shot Number 8126 Shot Point 8108 Deployment 8
Shot Time (Julian day, hr, min, sec): 232:07:45:00.007

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
601	0.06	228.0	94	0
602	0.87	273.3		3
603	1.66	280.4	24	0
604	2.41	284.2	24	0
605	3.06	295.2		17
606	4.18	299.3	24	0
607	4.66	309.3	24	0
608	2.23	147.7	24	0
609	4.62	141.6	24	0
610	7.69	127.3	24	0
611	9.80	143.3	24	0
612	9.11	92.7	24	0
613	20.83	137.1	24	0
614	25.11	145.0	6	0
615	29.36	146.7	6	0
616	33.86	136.8	6	0
617	38.78	135.0	6	0
618	43.87	136.8	6	0
619	48.59	136.5	6	0
620	53.87	138.0	6	0
621	43.81	327.3		13
622	44.84	326.9	6	0
623	45.65	326.6		1
624	46.46	326.7	6	0
625	47.34	327.3		1
626	47.98	327.2	6	0
627	48.78	327.2	6	0
628	49.65	327.0	6	0
629	50.51	326.9	6	0
630	51.22	326.8	6	0
631	52.19	326.8	6	0
632	53.70	326.2	6	0
633	55.35	326.3	6	0
634	56.09	325.5		9
635	56.85	324.5	6	0
636	57.69	323.5	6	0
637	59.17	323.8	6	0
638	60.68	322.8	6	0
639	61.83	321.7	6	0
640	63.23	321.3	6	0
641	26.70	333.2		1
642	28.24	331.0	6	0
643	29.50	331.1	6	0
644	30.07	329.0	6	0
645	30.95	329.6	6	0
646	31.80	329.0	6	0
647	32.68	326.8	6	0
648	33.61	326.9	6	0
649	34.37	325.5	6	0
650	35.20	324.4	6	0
651	36.01	324.2	6	0
652	36.68	325.3	6	0
653	37.44	326.8	6	0
654	38.30	327.0		1
655	39.13	326.8	6	0
656	39.90	326.7	6	0/25
657	40.72	326.2	6	0/25
658	40.99	327.2	6	0/25
659	41.77	327.9	6	0
660	42.75	327.9		3
661	5.42	314.5	24	0
662	6.04	318.0	24	0
663	6.93	319.5		1
664	7.66	321.6	42	0
665	8.69	323.5	24	0
666	9.51	327.1	24	0
667	10.09	333.4	24	0
668	11.23	337.5	24	0
669	12.65	334.6	24	0
670	14.13	331.7		3
671	15.70	331.6	24	0
672	17.07	335.6	24	0/25
673	18.30	338.2	6	0
674	19.85	339.1	6	0
675	21.23	338.4		3
676	22.72	334.8	6	0
677	24.09	334.6		25
678	25.56	334.3		25
681	80.78	317.5		1
682	79.97	317.9		6
683	79.35	317.8		6
684	78.47	317.8	6	0
685	77.50	317.8	6	0
686	76.44	318.0	6	0
687	76.08	317.9		25
688	75.37	318.5	6	0
689	74.88	318.0	6	0
690	74.01	318.0	6	0
691	72.97	318.0	6	0
692	72.16	318.4		25
693	71.47	318.8	6	0
694	70.81	319.1	6	0
695	69.99	319.8		6
696	69.46	320.1	6	0
697	68.24	320.1		6
698	68.09	322.0	6	0
699	66.31	321.8	6	0/6
700	64.85	321.6	6	0

Table 3, continued.

Shot Number 8127 Shot Point 8101 Deployment 8
Shot Time (Julian day, hr, min, sec): 233:07:00:00.011

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
601	80.76	137.6	6	0/28
602	80.14	138.0		3
603	79.49	138.3	6	0
604	78.81	138.5	6	0
605	77.99	138.4		17
606	76.86	138.5	6	0
607	76.20	138.0	24	0
608	82.96	137.8	6	0
609	85.37	137.8	6	0
610	88.33	136.7		12
611	90.51	138.2	6	0
612	87.39	133.3	6	0
613	101.57	137.5	6	0
614	105.72	139.3		12
615	109.86	140.0	6	0
616	114.59	137.3	6	0
617	119.48	136.7	6	0
618	124.60	137.3	6	0
619	129.31	137.2	6	0
620	134.60	137.7	6	0
621	38.32	126.4		13
622	37.24	126.3	24	0
623	36.41	126.2		1
624	35.68	125.6	6	0
625	35.05	124.3		1
626	34.41	124.1	24	0
627	33.67	123.6	24	0
628	32.82	123.2	24	0
629	32.00	122.7	24	0
630	31.31	122.4	6	0
631	30.43	121.6	6	0
632	28.83	121.3	6	0
633	27.38	119.7	24	0
634	26.40	120.4		9/18
635	25.30	121.8	24	0
636	24.14	123.3	24	0
637	22.87	121.3	6	0
638	21.08	122.4	24	0
639	19.63	124.4	24	0
640	18.16	124.5	24	0
641	55.53	130.1		1
642	53.71	130.6	6	0
643	52.55	130.0	6	0
644	51.65	130.9	24	0
645	50.91	130.3	24	0
646	50.01	130.3	24	0
647	48.80	131.4	24	0
648	47.94	131.0	24	0
649	46.99	131.8	24	0
650	46.04	132.3	24	0
651	45.21	132.3	24	0
652	44.72	131.2	24	0
653	44.25	129.7	24	0
654	43.46	129.2		1
655	42.62	129.1	24	0
656	41.87	128.9	24	0/25
657	40.97	129.0	24	0
658	40.95	127.9	24	0
659	40.38	126.9	24	0
660	39.48	126.3	24	0
661	75.39	137.8	6	0
662	74.76	137.5	6	0
663	73.88	137.4		1
664	73.16	137.1	6	0
665	72.16	136.8	6	0
666	71.44	136.3	6	0
667	71.15	135.3	6	0
668	70.34	134.4	6	0
669	68.80	134.5	6	0
670	67.18	134.6		3
671	65.67	134.2	6	0
672	64.77	132.9	24	0/15
673	63.98	131.8	6	0
674	62.73	130.9	6	0
675	61.41	130.5	6	0
676	59.46	131.1	24	0
677	58.17	130.6	24	0
678	56.78	130.1	6	0
681	0.04	266.0		2
682	0.94	109.2	88	0
683	1.50	123.1	24	0
684	2.36	129.2	24	0
685	3.32	131.7	62	0
686	4.41	129.9	62	0
687	4.74	132.6		25
688	5.58	125.0	52	0
689	5.96	131.3	48	0
690	6.82	132.8	48	0
691	7.86	133.1	48	0
692	8.71	130.7		25
693	9.48	127.9	42	0
694	10.19	126.8	42	0
695	11.21	123.2	24	0
696	11.79	122.6	42	0
697	12.98	124.0	24	0
698	13.96	115.1	24	0
699	15.44	119.2	24	0
700	16.73	121.8	24	0

Table 3, continued.

Shot Number 8201 Shot Point 8216 Deployment 9
Shot Time (Julian day, hr, min, sec): 261:06:00:00.014

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	48.28	71.2	6	
102	49.65	71.0	6	
103	50.45	71.1	24	
104	51.09	71.2	24	
105	51.85	71.2	24	
106	52.60	71.4	24	
107	53.38	71.5	6	
108	54.11	71.6	6	
109	54.86	71.9		
110	55.53	72.1		
111	56.21	72.7	6	
112	57.13	72.9	6	
113	57.84	72.8	6	
114	58.71	72.4	6	
115	59.41	72.3	6	
116	59.44	72.2		
117	60.96	72.4		
118	63.30	74.3		
119	65.43	75.4	6	
120	67.78	74.8	6	
121	16.15	74.8	42	0
122	16.69	69.3		0
123	17.48	69.6	42	0
124	18.08	68.6	42	0
125	18.74	68.4	42	0
126	19.75	65.1	42	0
127	20.48	64.9		1
128	21.20	64.8	42	0
129	22.69	65.4	42	0
130	23.40	66.5	42	0
131	24.15	67.3	24	0
132	24.78	67.3		1
133	25.63	68.0	24	0
134	26.47	67.8		1
135	27.09	68.3	24	0
136	27.86	68.1	24	0
137	28.54	69.1	24	0
138	29.18	69.1	24	0
139	29.79	68.5	24	0
140	30.65	68.9	62	0
141	30.16	280.9	24	
142	28.38	281.1		
143	26.19	280.2	24	
144	23.93	281.2	24	
145	22.31	280.8	24	
146	17.87	280.9		
147	20.19	282.7		
148	15.88	278.1	42	
149	13.59	281.1	42	
150	11.62	283.9	42	
151	10.00	286.2	42	
152	9.15	282.2	42	
153				
154	6.68	276.5	42	
155	5.90	283.1	42	
156	4.50	273.3	42	
157	3.75	261.3		
158	2.91	252.0	42	
159	2.10	241.2	62	
160	1.07	197.9	62	
161	30.88	69.9	24	0
162	32.46	72.7	24	0
163	33.11	72.8		1
164	33.98	72.7		1
165	34.82	72.8	24	0
166	35.33	73.7	24	0
167	35.97	73.7	24	0
168	36.85	75.0		1
169	37.50	75.3	24	0
170	38.43	75.9	24	0
171	39.04	75.4	24	0
172	39.67	74.9	24	0
173	41.17	74.5	24	0
174	42.17	73.1	24	0
175	42.95	72.3	24	0
176	43.70	71.8	24	0
177	44.53	71.6		0
178	45.11	71.8	6	0
179	45.65	72.3	6	0
180	46.47	72.2		1
181	0.10	235.8	82	0
182	0.68	90.8	62	0
183	1.73	78.4	62	0
184	2.44	93.5		6
185	3.41	91.4	62	0
186	3.94	86.1		1
187	4.63	86.2	42	0
188	5.43	84.6	42	0
189	6.41	87.7	42	0
190	7.15	88.7	42	0
191	8.08	85.7	42	0
192	9.00	86.8	42	0
193	9.63	85.3	42	0
194	10.09	83.0	42	0
195	10.78	79.8	42	0
196	11.27	76.6	42	0
197	12.23	78.2		6
198	13.14	79.1	42	0
199	14.66	79.8	42	0
200	14.93	77.9	42	0

Table 3, continued.

Shot Number 8202 Shot Point 8220 Deployment 9
Shot Time (Julian day, hr, min, sec): 261:06:15:01.168

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	11.22	256.8	24	
102	9.88	258.5		
103	9.06	258.3	24	
104	8.42	258.7	24	
105	7.67	259.3	24	
106	6.90	258.8	24	
107	6.12	258.2	42	
108	5.37	258.0	42	
109	4.60	255.2		
110	3.93	252.8		
111	3.29	244.2	42	
112	2.44	235.6	42	
113	1.75	231.3	42	
114	0.80	234.0	62	
115	0.16	0.0	82	
116	0.03	216.5	96	
117	1.52	82.6		
118	4.47	104.7		
119	6.92	104.8	42	
120	8.79	93.0	42	
121	43.33	251.6	24	0
122	42.80	253.7	6	0
123	42.01	253.7	24	0
124	41.43	254.2	24	0
125	40.78	254.4	24	0
126	39.94	256.1	24	0
127	39.23	256.4		1
128	38.53	256.6	24	0
129	37.02	256.7	24	0
130	36.26	256.3	24	0
131	35.46	255.9	24	0
132	34.83	256.1		1
133	33.95	255.8	24	0
134	33.14	256.1		1
135	32.49	255.8	24	0
136	31.74	256.2	24	0
137	31.00	255.4	24	0
138	30.36	255.6	24	0
139	29.79	256.3	24	0
140	28.91	256.0	24	0
141	87.12	262.2	6	
142	85.40	261.9		
143	83.49	261.1	6	
144	81.22	260.8	6	
145	79.76	260.3	6	
146	75.63	259.1		
147	77.54	260.2	6	
148	74.07	258.0	6	
149	71.66	257.9	6	
150	69.62	257.7	6	
151	67.98	257.3	6	
152	67.53	256.5	6	
153				
154	65.61	255.0	6	
155	64.59	255.3	6	
156	63.68	254.1	6	
157	63.17	253.2		
158	62.37	252.6	6	
159	61.53	252.2	6	
160	60.10	251.8	6	
161	28.63	255.1	24	0
162	27.01	252.0	24	0
163	26.36	251.8		1
164	25.49	251.9		1
165	24.64	251.8	24	0
166	24.17	250.3	24	0
167	23.52	250.3	24	0
168	22.72	248.1		1
169	22.12	247.3	24	0
170	21.26	245.9	24	0
171	20.60	246.6	24	0
172	19.93	247.2	42	0
173	18.41	247.4	42	0
174	17.31	250.3	42	0
175	16.52	252.4	42	0
176	15.77	253.7	42	0
177	14.94	254.4	42	0
178	14.35	253.9	42	0
179	13.81	252.1	42	0
180	12.99	252.6		1
181	59.56	252.6	24	0
182	58.81	252.4	6	0
183	57.75	252.4	6	0
184	57.19	251.7		6
185	56.25	251.5	6	0
186	55.64	251.6		1
187	54.98	251.4	6	0
188	54.17	251.4	6	0
189	53.31	250.8	6	0
190	52.65	250.4	6	0
191	51.64	250.5	6	0
192	50.80	250.1	24	0
193	50.13	250.1	24	0
194	49.59	250.4	6	0
195	48.80	250.9	6	0
196	48.24	251.6	6	0
197	47.32	251.0		6
198	46.45	250.7	24	0
199	44.97	250.1		0
200	44.64	250.7	24	0

Table 3, continued.

Shot Number 8203 Shot Point 8112 Deployment 9
Shot Time (Julian day, hr, min, sec): 261:06:30:00.008

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	67.83	327.3	6	
102	67.65	328.5		
103	67.35	329.1		
104	67.20	329.7		
105	67.03	330.3	6	
106	66.72	330.9	6	
107	66.43	331.5	6	
108	66.19	332.1	6	
109	65.77	332.7		
110	65.46	333.3		
111	64.87	333.8	6	
112	64.49	334.6	6	
113	64.48	335.2	6	
114	64.75	336.0	6	
115	64.76	336.7	6	
116	64.90	336.7	24	
117	64.51	338.0		
118	62.25	339.9		
119	60.87	341.8	24	
120	61.50	344.1	24	
121	81.21	304.6	6	0
122	82.13	305.6		0
123	81.61	306.0	6	0
124	81.52	306.5	6	0
125	81.24	306.9		0
126	81.69	307.9	6	0
127	81.41	308.4		1
128	81.11	308.8		0
129	80.24	309.7	6	0
130	79.55	310.0	6	0
131	78.88	310.4	6	0
132	78.60	310.8		1
133	77.95	311.2		0
134	77.65	311.8		1
135	77.16	312.2	6	0
136	76.88	312.7	6	0
137	76.14	313.0	6	0
138	75.87	313.4	6	0
139	75.88	313.9		0
140	75.30	314.5	6	0
141	121.91	293.2	6	
142	120.19	293.5		
143	117.96	293.5	6	
144	115.85	293.9	6	
145	114.23	294.0	6	
146	109.90	294.5		
147	112.30	294.6	6	
148	107.78	294.4	6	
149	105.75	295.1	6	
150	103.96	295.6	6	
151	102.44	296.0	6	
152	101.47	295.8	6	
153				
154	98.89	295.7	6	
155	98.33	296.2	6	
156	96.73	296.0	6	
157	95.67	295.7		
158	94.68	295.8	6	
159	93.79	296.0	6	
160	92.42	296.4	6	
161	74.75	314.5		0
162	72.64	315.0		0
163	72.28	315.4		1
164	71.93	316.0		1
165	71.52	316.6		0
166	70.76	316.8	6	0
167	70.48	317.3	6	0
168	69.36	317.6		1
169	68.88	318.0	6	0
170	68.08	318.5		0
171	68.12	319.1	6	0
172	68.12	319.7	6	0
173	67.74	320.9	6	0
174	68.29	322.1	6	0
175	68.59	322.8	6	0
176	68.68	323.5	6	0
177	68.58	324.2		0
178	68.25	324.7	6	0
179	67.68	325.0	6	0
180	67.54	325.7		1
181	92.63	297.0	6	0
182	91.96	297.2	6	0
183	91.22	297.7	6	0
184	90.33	297.6		6
185	89.50	297.9	6	0
186	89.19	298.3		1
187	88.60	298.5	6	0
188	88.00	298.9	6	0
189	87.01	299.0	6	0
190	86.31	299.2	6	0
191	85.73	299.8	6	0
192	84.87	300.0	24	0
193	84.48	300.4	6	0
194	84.33	300.8	6	0
195	84.16	301.4	6	0
196	84.22	301.9		0
197	83.30	302.2		6
198	82.50	302.5	6	0
199	81.27	303.2	6	0
200	81.42	303.6	6	0

Table 3, continued.

Shot Number 8204 Shot Point 8114 Deployment 9
Shot Time (Julian day, hr, min, sec): 261:06:45:00.121

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	18.57	75.8	24	
102	19.92	75.1		
103	20.74	75.2	24	
104	21.38	75.2	24	
105	22.13	75.1	24	
106	22.90	75.4	24	
107	23.68	75.6	6	
108	24.42	75.7	6	
109	25.19	76.3		
110	25.87	76.6		
111	26.59	77.6	6	
112	27.52	77.9	6	
113	28.22	77.6	6	
114	29.06	76.7	6	
115	29.76	76.4	6	
116	29.77	76.1	6	
117	31.31	76.4		
118	33.80	79.7		
119	36.03	81.4	6	
120	38.30	79.9	6	
121	13.86	241.3	42	0
122	13.11	247.6	24	0
123	12.32	247.1	42	0
124	11.71	248.4	42	0
125	11.05	248.8	42	0
126	10.14	255.2	42	0
127	9.44	256.4		1
128	8.74	257.5	42	0
129	7.23	258.2	42	0
130	6.46	255.8	42	0
131	5.67	253.3	42	0
132	5.04	254.2		1
133	4.17	251.5		0
134	3.35	254.0		1
135	2.71	250.1	42	0
136	1.95	253.0	62	0
137	1.31	233.2	62	0
138	0.70	220.5	62	0
139	0.03	167.2	82	0
140	0.90	86.2	62	0
141	57.56	265.0	6	
142	55.82	264.6		
143	53.86	263.5	6	
144	51.57	263.2	6	
145	50.08	262.5	6	
146	45.89	260.7		
147	47.85	262.4	6	
148	44.30	258.9	6	
149	41.88	258.8	6	
150	39.84	258.4	6	
151	38.20	257.9	6	
152	37.74	256.4	6	
153				
154	35.83	253.7		
155	34.81	254.2	6	
156	33.93	251.8	6	
157	33.46	250.1		
158	32.70	249.0	6	
159	31.88	248.2	6	
160	30.49	247.1	6	
161	1.33	104.1	62	0
162	3.53	111.8	62	0
163	4.09	106.8		1
164	4.81	100.4		1
165	5.58	96.7	42	0
166	6.29	99.8	42	0
167	6.87	97.4	42	0
168	8.00	100.2		1
169	8.67	99.6	42	0
170	9.69	99.6	42	0
171	10.12	96.3	42	0
172	10.60	93.5	42	0
173	11.96	90.0	42	0
174	12.71	84.3	42	0
175	13.37	81.0	42	0
176	14.06	79.1	42	0
177	14.87	78.1	24	0
178	15.46	78.4	42	0
179	16.05	79.7	24	0
180	16.85	79.0		1
181	29.89	248.6	24	0
182	29.16	248.1	6	0
183	28.10	248.0	6	0
184	27.60	246.5		6
185	26.69	245.8	6	0
186	26.06	246.0		1
187	25.43	245.5	6	0
188	24.62	245.1	6	0
189	23.84	243.6	24	0
190	23.22	242.5	24	0
191	22.21	242.5	24	0
192	21.44	241.1	24	0
193	20.77	240.9	24	0
194	20.19	241.4	24	0
195	19.34	242.3	24	0
196	18.71	243.7	24	0
197	17.86	242.0		6
198	17.06	240.5	24	0
199	15.69	238.0	24	0
200	15.27	239.4	24	0

Table 3, continued.

Shot Number 8205 Shot Point 8205 Deployment 9
Shot Time (Julian day, hr, min, sec): 261:08:00:00.014

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	75.91	82.3	6		135	54.91	85.2	6	0	169	65.94	86.4	6	0
102	77.22	82.0			136	55.61	84.9		0	170	66.93	86.6		0
103	78.04	81.9	24		137	56.41	85.2	6	0	171	67.47	86.2	6	0
104	78.67	81.9	6		138	57.02	85.0	6	0	172	68.02	85.8	6	0
105	79.41	81.8	6		139	57.52	84.6	6	0	173	69.44	85.4	6	0
106	80.19	81.8	6		140	58.41	84.5	6	0	174	70.22	84.4	6	0
107	80.97	81.8	6		141	0.05	284.9	62		175	70.86	83.8	6	0
108	81.72	81.8	6		142	1.74	96.7			176	71.52	83.4	6	0
109	82.51	81.9			143	3.93	105.3	42		177	72.30	83.1		0
110	83.20	81.9			144	6.18	99.3	42		178	72.90	83.1	6	0
111	83.95	82.2	6		145	7.80	100.9	42		179	73.52	83.4	6	0
112	84.90	82.2	6		146	12.24	100.7			180	74.30	83.2		1
113	85.58	82.1	6		147	9.95	97.0	42		181	30.04	100.8	24	0
114	86.37	81.7	6		148	14.27	103.7	24		182	30.78	100.4	24	0
115	87.05	81.6	6		149	16.52	100.5	24		183	31.71	99.5	24	0
116	87.05	81.5	6		150	18.51	98.8	24		184	32.53	100.1		6
117	88.60	81.5			151	20.17	98.0	24		185	33.48	99.7	24	0
118	91.22	82.6			152	20.97	100.1	24		186	33.94	99.0		1
119	93.51	83.1	6		153					187	34.61	98.7	24	0
120	95.73	82.5	6		154	23.45	101.9			188	35.36	98.2	6	0
121	45.18	91.6	24	0	155	24.22	100.1	24		189	36.38	98.4	6	0
122	45.18	89.5		0	156	25.66	102.0	24		190	37.13	98.3	6	0
123	45.95	89.3	24	0	157	26.61	103.4			191	37.96	97.5	6	0
124	46.41	88.7	24	0	158	27.60	103.6	24		192	38.90	97.4	24	0
125	47.01	88.3		0	159	28.52	103.4	24		193	39.47	96.9	24	0
126	47.55	86.6	24	0	160	30.00	102.7			194	39.83	96.2	6	0
127	48.20	86.2		1	161	58.77	84.9	6	0	195	40.36	95.2	6	0
128	48.87	85.9	24	0	162	60.69	86.0	6	0	196	40.65	94.1	24	0
129	50.34	85.5	24	0	163	61.33	85.9		1	197	41.66	94.2		6
130	51.14	85.7	6	0	164	62.16	85.7		1	198	42.59	94.1	24	0
131	51.98	85.8	6	0	165	62.99	85.6	6	0	199	44.11	93.8	24	0
132	52.57	85.5		1	166	63.62	86.0	6	0	200	44.24	93.1	24	0
133	53.47	85.6		0	167	64.24	85.8	6	0					
134	54.24	85.2		1	168	65.27	86.4		1					

Table 3, continued.

Shot Number 8206 Shot Point 8111 Deployment 10
Shot Time (Julian day, hr, min, sec): 265:06:00:00.008

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	35.39	294.7	24	0
103	33.85	297.2		0
107	31.60	300.6	24	0
112	28.17	304.4	24	0
116	27.38	309.1		1
121	62.50	273.5	24	0
126	60.52	277.4	24	0
130	57.15	278.9	24	0
134	54.24	280.0	24	0
139	51.23	281.6	24	0
161	49.92	281.6	24	0
164	46.44	281.7		1
169	42.58	282.0	24	0
173	39.58	285.0	24	0
176	38.58	289.5	24	0
181	78.10	269.7	24	0
185	74.61	269.7	24	0
190	70.87	269.8	24	0
195	67.40	271.3	24	0
201	43.88	272.2	42	
202	46.31	272.0	42	
203	47.25	272.1	42	
204	51.03	270.3	24	
205	51.77	265.7	24	
206	47.71	265.4	24	
207	42.92	261.8	24	
208	43.48	258.0	24	
209	44.80	254.9		
210	44.56	251.8	24	
211	46.51	247.8	24	
212	45.87	249.9	24	
213	51.48	255.1		
214	54.50	267.6	24	
215	56.23	264.7	24	
216	57.05	261.8		
217	58.37	259.1	24	
218	61.56	256.4	24	
219	64.99	253.8	24	
220	69.62	251.8	24	
221	62.38	305.9	6	0
222	61.56	305.2	6	0
223	60.31	303.6	24	0
224	58.01	302.4		0
225	55.43	300.2		0
226	52.10	298.4		0
227	51.44	294.8		0
228	47.29	289.6	24	0
229	44.45	293.1	24	0
230	46.80	285.8	24	0
231	42.14	288.6	24	0
232	34.74	302.3		0
233	39.97	299.0	24	1
234	39.66	294.8	24	0
235	44.34	298.1	24	0
236	47.85	298.5	24	0
237	43.76	303.6	24	0
238	43.65	308.4		1
239	43.87	313.6	24	0
240	45.51	319.5	24	0
241	76.28	293.8		
242	73.65	292.2	24	
243	69.45	290.6	24	
244	65.71	289.4	24	
245	63.57	285.9		
246	68.28	281.8		
247	62.37	279.8	24	
248	65.18	276.5	24	
249	70.61	276.4	24	
250	58.51	281.8	24	
251	56.66	284.3	24	
252	53.87	283.0	24	
253	53.87	286.4	24	
254	50.54	287.7	24	
255				
256	58.93	288.1		
257	58.93	288.4	24	
258	60.97	284.4	24	
259	62.94	293.8	24	
260	65.61	298.6	24	
261	15.26	258.5	42	0
262	18.30	263.4	42	0
263	24.27	269.2	24	0
264	27.73	271.6	24	0
265	31.46	272.6	24	0
266	38.35	265.7	42	0
267	35.70	270.7	42	0
268	35.74	273.6	42	0
269	38.30	277.1	42	0
270	40.14	280.8		1
271	44.73	278.7		0
272	42.31	279.8	24	0
286	61.26	268.2		0
293	48.59	276.5	24	0
294	44.04	273.8	24	0
295	51.00	276.6	24	0
296	54.26	272.1	24	0
297	55.72	275.1	24	6
298	54.15	277.0	24	0
299	59.24	272.7		1
300	68.23	264.8	24	7

Table 3, continued.

Shot Number 8207 Shot Point 8218 Deployment 10
Shot Time (Julian day, hr, min, sec): 265:06:15:00.008

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	11.17	257.4	24	0
103	9.01	259.0	42	0
107	6.07	259.3	42	0
112	2.36	237.6	62	0
116	0.09	2.8		1
121	43.27	251.8	24	0
126	39.88	256.3	6	0
130	36.21	256.5	6	0
134	33.09	256.3	24	0
139	29.74	256.5	24	0
161	28.58	255.3	24	0
164	25.43	252.1		1
169	22.05	247.6	24	0
173	18.34	247.7	42	0
176	15.71	254.1	42	0
181	59.50	252.7	6	0
185	56.19	251.6	6	0
190	52.59	250.5	6	0
195	48.73	251.0	6	0
201	27.39	235.4	24	
202	29.48	238.0	24	
203	30.22	239.1	24	
204	34.25	240.2	24	
205	36.98	235.1	24	
206	33.65	231.3	24	
207	31.54	222.1	24	
208	33.80	218.9	24	
209	36.29	217.2		
210	37.59	213.9	24	
211	41.05	211.9	6	
212	39.52	213.4	24	
213	41.67	223.0		
214	38.48	239.5	6	
215	41.34	237.0	42	
216	43.40	234.1		
217	45.79	231.8	24	
218	49.90	230.5	6	
219	54.23	229.2	6	
220	59.43	228.9	6	
221	35.12	303.4	24	0
222	34.35	302.0	6	0
223	33.21	299.1	24	0
224	31.03	296.4	24	0
225	28.73	291.6	24	0
226	25.72	287.1	24	0
227	25.84	279.6	24	0
228	23.35	266.5	24	0
229	19.65	270.5	24	0
230	24.19	259.3	24	0
231	19.05	258.6	24	0
232	8.25	279.4	24	0
233	13.89	278.9		1
234	14.77	267.7	42	0
235	18.24	281.6	42	0
236	21.57	285.0	24	0
237	16.75	294.7	24	0
238	16.34	307.4		1
239	16.78	320.9	24	0
240	19.30	334.3	24	0
241	50.42	285.4		
242	48.15	282.6	6	
243	44.37	279.2	24	
244	41.00	276.3	6	
245	39.90	270.1		
246	45.70	265.8		
247	40.76	260.5	6	
248	44.62	257.1	24	
249	49.82	259.0	6	
250	36.40	261.6	24	
251	33.81	264.4	6	
252	31.66	260.6	24	
253	30.51	266.1	24	
254	26.96	266.0	24	
255				
256	34.72	272.0		
257	34.72	272.1	24	
258	37.87	266.7	24	
259	37.26	282.6		
260	39.04	291.3	24	
261	21.18	162.6	24	0
262	19.51	170.8	24	0
263	17.78	189.6	42	0
264	17.62	201.4	42	0
265	18.78	212.7	42	0
266	26.29	220.1	24	0
267	22.12	220.6	42	0
268	20.78	223.8	42	0
269	20.86	233.3	42	0
270	20.60	241.8		1
271	25.21	245.5	24	0
272	22.76	243.8	24	0
286	44.30	244.4		0
293	29.46	246.4	24	0
294	26.80	237.7	24	0
295	31.54	248.7	6	0
296	36.33	245.0	6	0
297	36.38	250.2	6	6
298	34.17	251.9	6	0
299	40.55	249.1		1
300	52.22	243.3	6	7

Table 3, continued.

Shot Number 8208 Shot Point 8114 Deployment 10
Shot Time (Julian day, hr, min, sec): 265:06:30:00.012

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	18.57	75.8	24	0
103	20.74	75.2	6	0
107	23.68	75.6	6	0
112	27.52	77.9	6	0
116	29.77	76.1		1
121	13.86	241.3	42	0
126	10.14	255.2	42	0
130	6.46	255.8	42	0
134	3.35	254.0	42	0
139	0.03	167.2	42	0
161	1.33	104.1	42	0
164	4.81	100.4		1
169	8.67	99.6	42	0
173	11.96	90.0	42	0
176	14.06	79.1	24	0
181	29.89	248.6	6	0
185	26.69	245.8	24	0
190	23.22	242.5	24	0
195	19.34	242.3	24	0
201	10.72	143.3	42	
202	9.56	155.5	42	
203	9.11	160.6		
204	10.12	184.4	42	
205	14.32	185.3	42	
206	14.39	169.0	42	
207	18.21	154.5	24	
208	20.88	158.1	42	
209	23.08	162.1		
210	25.53	161.7	24	
211	28.84	165.3	24	
212	27.06	164.4	24	
213	23.57	178.5		
214	13.30	198.3	42	
215	16.61	200.0	42	
216	19.56	198.3		
217	22.53	198.0	24	
218	26.60	200.9	24	
219	30.97	202.9	24	
220	35.86	206.0	6	
221	26.27	358.9	6	0
222	25.12	359.3	6	0
223	23.05	359.5	24	0
224	20.76	2.9	24	0
225	17.64	7.0	24	0
226	15.11	16.5	24	0
227	11.72	16.8	42	0
228	7.87	45.3	42	0
229	11.68	52.3	42	0
230	5.70	64.6	42	0
231	10.73	72.7	42	0
232	22.37	68.1	6	0
233	17.71	58.9		1
234	15.51	65.7	24	0
235	15.31	46.0	24	0
236	14.88	32.7	24	0
237	19.55	44.3	6	0
238	23.20	43.2		1
239	27.10	42.4	24	0
240	31.83	40.0	6	0
241	28.30	315.7		
242	25.08	313.7	24	
243	20.44	313.1	24	
244	16.44	313.8	24	
245	13.02	302.3		
246	17.03	281.9		
247	11.28	270.7	42	
248	14.88	258.0		
249	20.15	262.4	24	
250	7.26	282.4	42	
251	5.96	307.3	42	
252	2.89	307.0	42	
253	5.08	342.5	42	
254	5.45	21.7	42	
255				
256	10.02	324.6		
257	10.02	324.6	42	
258	10.08	297.9	42	
259	16.78	333.5		
260	22.36	340.3	24	
261	37.70	110.4	6	0
262	34.34	110.8	6	0
263	28.04	112.0	6	0
264	24.42	112.6	6	0
265	20.78	115.1	6	0
266	17.82	137.5	24	0
267	17.56	124.0	24	0
268	16.64	118.8	24	0
269	13.41	114.2	24	0
270	11.13	104.5		1
271	6.96	120.4	42	0
272	9.06	110.0	42	0
286	16.47	221.7		0
293	5.24	158.2	42	0
294	9.69	139.5	42	0
295	4.54	185.6	24	0
296	9.32	205.3	24	0
297	7.59	224.0	24	6
298	5.14	223.4	42	0
299	11.70	229.7		1
300	24.25	226.7	24	7

Table 3, continued.

Shot Number 8209 Shot Point 8219 Deployment 10
Shot Time (Julian day, hr, min, sec): 265:08:15:00.016

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	34.24	18.3	6	0	216	16.40	305.0			250	32.85	334.1	24	
103	35.61	21.1	6	0	217	15.70	294.7	24		251	33.79	339.2	24	
107	37.29	24.9	6	0	218	17.06	280.6	24		252	31.22	342.1	24	
112	39.02	30.2	6	0	219	19.34	268.4	6		253	33.98	345.0	24	
116	41.21	31.7		1	220	23.40	259.6	6		254	33.44	351.0	6	
121	28.85	317.7	24	0	221	54.78	351.9	6	0	255				
126	30.61	326.1	24	0	222	53.62	351.9	6	0	256	38.44	340.1		
130	29.67	332.9	24	0	223	51.56	351.7	6	0	257	38.44	340.1	6	
134	29.01	338.8	24	0	224	49.10	352.8	6	0	258	36.48	333.7	24	
139	28.87	345.4	24	0	225	45.77	353.6	6	0	259	45.46	341.1		
161	28.29	347.8		0	226	42.56	356.0	6	0	260	51.21	343.2	24	
164	27.22	354.6		1	227	39.38	354.4	6	0	261	31.71	62.2	6	0
169	26.54	2.8	24	0	228	33.54	357.2	6	0	262	29.38	57.6	6	0
173	28.35	9.5	24	0	229	35.16	3.2	24	0	263	25.58	47.0	6	0
176	31.31	12.1	24	0	230	30.49	356.0	6	0	264	24.02	39.4	6	0
181	39.06	296.0	6	0	231	31.29	5.5	6	0	265	22.35	31.1	6	0
185	35.93	298.3	24	0	232	38.72	20.4	6	0	266	15.57	17.8	24	0
190	32.81	301.8	6	0	233	37.93	12.0		1	267	19.56	21.9	24	0
195	30.93	307.9	6	0	234	35.02	11.3	6	0	268	21.23	20.1	42	0
201	19.39	357.4	42		235	38.78	5.6	6	0	269	23.00	12.4	24	0
202	19.55	350.2	42		236	40.49	1.1		0	270	25.43	7.9		1
203	19.83	347.6	42		237	42.43	8.7	6	0	271	24.48	357.0	24	0
204	19.61	335.8	24		238	45.69	10.9	6	1	272	24.90	2.9	24	0
205	16.19	327.9	24		239	49.22	12.9	6	0	286	24.05	310.7	24	0
206	14.57	341.8	42		240	53.98	14.2	6	0	293	23.72	347.0	24	0
207	11.54	2.7	42		241	55.29	330.8			294	20.63	357.3	24	0
208	8.61	3.4	42		242	51.93	330.7	6		295	24.69	341.8	24	0
209	6.00	358.1			243	47.45	332.1	6		296	22.56	330.1	24	0
210	3.80	11.3	42		244	43.76	334.1	6		297	25.78	330.9		6
211	0.08	27.0	94		245	39.42	332.4	6		298	26.54	336.0	24	0
212	1.91	180.0	62		246	39.55	322.8			299	26.06	321.6		1
213	8.02	303.4			247	33.70	326.6	24		300	27.40	294.5	24	7
214	19.16	323.3	24		248	33.10	318.8	24						
215	17.93	313.6	24		249	37.20	312.9	24						

Table 3, continued.

Shot Number 8210 Shot Point 8217 Deployment 10
Shot Time (Julian day, hr, min, sec): 265:08:30:00.015

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	28.57	139.6	24	0
103	29.41	135.7	24	0
107	31.09	131.1	24	0
112	34.26	126.9	24	0
116	35.11	123.1		1
121	34.97	199.5	24	0
126	30.36	197.8	24	0
130	28.49	191.7	24	0
134	27.38	185.7	24	0
139	26.35	178.9	24	0
161	26.70	176.2		0
164	27.68	169.1		1
169	29.21	161.9	24	0
173	29.12	154.7	24	0
176	27.65	148.8	24	0
181	46.18	216.3	24	0
185	44.23	212.6	24	0
190	42.13	208.5	24	0
195	39.02	205.2	24	0
201	35.59	168.8	24	
202	35.30	172.7	24	
203	35.09	174.2	24	
204	36.40	180.4	24	
205	40.59	181.2	24	
206	40.57	175.4	24	
207	43.56	169.0	24	
208	46.44	169.7	24	
209	48.88	171.1		
210	51.27	170.4	24	
211	54.78	171.8	24	
212	52.95	171.5	24	
213	49.89	178.7		
214	39.12	185.4	24	
215	42.24	187.1	24	
216	45.24	187.2		
217	48.18	187.7	24	
218	51.95	190.0	24	
219	56.05	191.9	24	
220	60.49	194.6	24	
221	0.05	171.6	82	0
222	1.21	170.7	62	0
223	3.28	174.7	42	0
224	5.79	164.4	42	0
225	9.19	163.3		0
226	12.76	158.0	42	0
227	15.59	165.5	42	0
228	21.66	163.6	24	0
229	21.51	153.0	42	0
230	24.53	166.7	24	0
231	25.50	155.1	24	0
232	27.83	130.2	24	0
233	23.25	137.6		1
234	24.74	143.7	42	0
235	19.46	143.7	42	0
236	16.22	148.2	24	0
237	18.78	131.1	24	0
238	18.89	119.9	24	1
239	19.80	108.5	24	0
240	21.04	95.2	24	0
241	20.19	252.5		
242	19.81	243.0	42	
243	19.00	229.4	42	
244	18.77	217.3	42	
245	22.03	208.5	42	
246	27.96	215.3		
247	28.30	202.4	42	
248	32.60	205.5	24	
249	34.91	213.9	24	
250	25.62	194.9	24	
251	23.10	190.6	24	
252	24.64	184.2	24	
253	21.50	182.7	42	
254	21.40	173.3	24	
255				
256	18.90	196.3		
257	18.90	196.3	42	
258	23.17	201.3	42	
259	13.29	211.8		
260	8.79	233.2	42	
261	53.30	137.8	6	0
262	50.47	139.8	6	0
263	45.37	144.3	24	0
264	42.50	147.2	24	0
265	40.09	151.2	24	0
266	41.39	162.4	24	0
267	39.14	157.4	24	0
268	37.50	156.3	24	0
269	34.26	158.2	24	0
270	31.20	158.8		1
271	30.54	167.7	24	0
272	30.76	163.0	24	0
286	40.01	195.1	24	0
293	31.27	175.5	24	0
294	34.36	168.6	24	0
295	30.84	179.9	24	0
296	34.91	185.7	24	0
297	32.13	188.5		6
298	30.20	185.7	24	0
299	34.92	194.0		1
300	46.24	201.8	24	7

Table 3, continued.

Shot Number 8211 Shot Point 8216 Deployment 10
Shot Time (Julian day, hr, min, sec): 265:08:45:00.010

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
101	48.28	71.2	24	0
103	50.45	71.1	24	0
107	53.38	71.5	24	0
112	57.13	72.9	24	0
116	59.44	72.2		1
121	16.15	74.8	42	0
126	19.75	65.1	42	0
130	23.40	66.5	24	0
134	26.47	67.8	24	0
139	29.79	68.5	24	0
161	30.88	69.9		0
164	33.98	72.7		1
169	37.50	75.3	24	0
173	41.17	74.5	24	0
176	43.70	71.8	24	0
181	0.10	235.8	82	0
185	3.41	91.4	42	0
190	7.15	88.7	42	0
195	10.78	79.8	42	0
201	34.23	86.0	42	
202	31.79	85.9	42	
203	30.87	85.6	42	
204	26.99	88.2	42	
205	26.64	97.2	42	
206	30.66	95.9	42	
207	36.02	98.7	42	
208	36.56	103.3	42	
209	36.57	107.5		
210	38.21	110.3	42	
211	39.01	115.7	24	
212	38.21	113.2	24	
213	31.07	113.9		
214	23.64	94.1	42	
215	22.57	102.0	42	
216	22.94	109.4		
217	23.32	116.8	42	
218	23.02	127.3	42	
219	23.67	138.2	42	
220	24.54	150.4	42	
221	46.04	36.1	24	0
222	45.24	37.1	24	0
223	43.68	38.9	24	0
224	42.75	42.2	24	0
225	41.20	46.3	24	0
226	40.84	51.4	24	0
227	38.17	54.5	24	0
228	37.15	63.6	24	0
229	41.14	63.9	24	0
230	35.48	67.8	24	0
231	40.50	69.5	24	0
232	52.16	68.2	6	0
233	47.35	64.8		1
234	45.29	67.4	24	0
235	44.32	60.8	24	0
236	42.74	56.6		0
237	48.28	58.8	6	0
238	51.71	57.3	6	1
239	55.41	55.9	24	0
240	59.71	53.6	24	0
241	32.11	14.2		
242	29.75	18.6	24	
243	27.92	27.1	42	
244	27.31	35.3	42	
245	24.44	43.0	42	
246	18.13	37.5		
247	19.80	56.1	42	
248	15.30	59.4	42	
249	11.29	43.3	42	
250	24.10	58.8	42	
251	27.18	57.6	42	
252	28.38	63.5	42	
253	30.56	58.9	42	
254	33.75	61.7	24	
255				
256	29.04	49.0		
257	29.04	48.9	42	
258	24.45	50.2	42	
259	32.85	37.8		
260	37.76	32.1	42	
261	63.12	91.9	24	0
262	59.86	91.1	24	0
263	53.75	89.4	24	0
264	50.31	88.1	24	0
265	46.61	87.3	24	0
266	39.85	93.1	42	0
267	42.33	88.4	42	0
268	42.42	86.0	42	0
269	40.34	82.2	42	0
270	39.37	78.0		1
271	34.54	77.5	42	0
272	37.08	77.7	42	0
286	16.86	94.7	42	0
293	30.29	78.4	42	0
294	34.22	83.9	24	0
295	28.03	76.7	42	0
296	23.90	84.0	42	0
297	23.11	76.3		6
298	25.25	73.4	42	0
299	19.11	79.9		1
300	11.64	119.6	42	7

Table 3, continued.

Shot Number 8212 Shot Point 8203 Deployment 11
Shot Time (Julian day, hr, min, sec): 281:06:30:00.007

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
85	29.68	312.8	24	0
87	28.92	323.8		1
88	29.81	326.7	6	0
302	13.91	315.1	6	0
303	35.91	299.9		2
304	29.99	283.4	6	0
305	19.68	277.2	24	0
306	8.42	156.0		2
307	6.60	156.3	24	0
308	4.83	149.1		1
309	3.55	156.4		1
310	2.13	147.0		1
311	0.31	182.6	94	0
312	0.91	339.7	24	0
313	1.88	340.6	24	0
314	3.54	347.2	24	0
315	4.88	335.2		2
316	6.40	337.6		1
317	7.87	333.0		2
318	9.74	332.4		2
319	10.68	327.7	24	0
320	12.39	321.8	24	0/13
321	41.46	321.4	6	0/12
322	43.23	321.6	6	0/12
323	44.78	319.2	42	0/12
324	46.22	318.7	24	0/12
325	47.72	319.9	6	0/12
326	49.75	320.6		1
327	51.26	321.5		1
328	52.69	319.4	6	0/12
329	53.47	321.6	6	0/12
330	52.79	322.4	6	0/12
331	54.12	322.9	6	0/12
332	55.62	323.7	6	0/12
333	57.19	323.9	6	0/12
334	58.76	324.7	6	0/12
335	59.82	325.7	6	0/12
336	61.39	326.6	6	0/12
337	62.78	327.3		1
338	64.09	327.6	6	0/12
339	65.87	328.5	6	0/12
340	66.94	329.5	42	0/12
341	18.39	325.7		1
342	19.46	325.6	24	0
343	20.63	323.0	24	0
344	22.28	322.6	24	0
345	23.36	322.5	6	0
346	25.49	321.9		26
347	27.12	322.8	6	0
348	28.77	321.9	6	0
349	30.40	321.5	6	0
350	32.41	323.4	6	0
351	33.67	322.4	6	0/8
352	35.29	322.0	6	0
353	36.64	323.3	6	0
354	38.01	322.2	6	0
355	31.14	311.9	6	0
356	31.79	309.8	6	0
357	31.86	307.5	24	0
358	32.23	305.2	24	0
359	31.74	300.5	6	0
360	31.98	299.1		1
361	19.84	279.5	6	0
362	9.54	153.2	24	0
363	11.60	153.4	24	0
364	12.62	152.5	24	0
365	14.32	152.0	24	0
366	15.89	151.6	6	0
367	17.38	148.7	6	0
368	19.04	147.8		1
369	20.53	145.4	24	0
370	21.98	143.6	24	0
371	24.24	141.0	24	0
372	25.04	143.7	6	0
373	26.42	144.0	6	0/12
374	28.21	142.1	6	0
375	29.91	143.0	6	0
376	31.76	141.6	6	0
377	32.78	142.1	6	0
378	34.76	141.0	6	0
379	36.38	140.9	6	0
380	37.90	141.0	6	0
381	22.40	303.1	6	0
382	13.14	292.1	6	0
383	7.06	310.7	42	0
384	50.27	286.0		1
389	24.10	23.4	6	0
390	24.98	340.3		1
391	28.19	359.3	6	0
392	40.43	320.7	6	0
393	16.32	325.1	6	0
394	17.63	323.4	24	0
395	17.00	320.5	24	0
396	16.84	316.4	24	0
397	17.25	313.0		1
398	15.77	312.2		1
399	17.87	310.6		1
400	18.50	309.0		1
999	16.97	129.8	42	0

Table 3, continued.

Shot Number 8213 Shot Point 8215 Deployment 12
Shot Time (Julian day, hr, min, sec): 284:11:00:00.011

Loc	Dist (km)	Azim (deg)	Tape Db	Tape Grade
425	22.80	319.0	24	
445	51.16	313.0	6	0
455	59.53	311.2	6	0
459	62.74	311.7	6	0
481	6.36	169.8	62	0
483	5.19	180.8	62	0
485	3.64	0.0	62	0
486	2.71	175.7	82	0
487	1.98	177.9	82	0
489	0.56	155.1	82	0
490	0.04	320.1		2
492	0.87	328.1	6	0
494	2.30	320.8	82	0
496	4.03	316.6	62	0
498	5.30	323.5	62	0
500	6.78	317.0	62	0
621	24.84	318.6		0
622	25.91	318.2	6	0
623	26.74	318.0	6	0
624	27.53	318.5	6	0
625	28.33	319.7	6	0
626	28.98	319.6		0
627	29.78	319.8		0
628	30.66	319.8		1
629	31.52	319.9		0
630	32.23	319.8		0
631	33.20	320.0		0
632	34.76	319.4		0
633	36.39	319.9		0
634	37.21	318.9		0
635	38.08	317.5		0
636	39.05	316.1		0
637	40.48	316.9		0
638	42.10	315.7		0
639	43.39	314.4		0
640	44.83	314.0		0
641	7.38	319.0	42	
642	9.14	314.8		
643	10.34	317.1	42	
644	11.18	312.3		
645	11.95	314.9	42	
646	12.85	314.5	42	
647	14.03	310.4	42	
648	14.90	311.8	42	
649	15.86	309.4	42	
650	16.83	308.1	24	
651	17.66	308.4	24	
652	18.11	311.2	24	
653	18.63	314.7	24	
654	19.45	315.6	24	
655	20.30	315.6	24	
656	21.06	315.8	24	
657	21.94	315.3	24	
658	22.07	317.3	24	
660	23.71	319.3		
670	5.83	174.9	62	9
671	4.45	183.2	62	0
673	1.33	162.2		2
674	0.32	23.1	82	0
675	1.60	338.3	6	0
676	3.37	313.1	62	0
677	4.70	318.2	62	0
678	6.15	321.1		1
681	62.86	311.3	6	0
682	61.96	311.7	6	0
683	61.34	311.5	6	0
684	60.47	311.4	6	0
686	58.43	311.4	6	0
688	57.29	311.9	6	0
689	56.87	311.3	6	0
690	56.02	311.1	6	0
691	54.97	311.1	6	0
692	54.12	311.4	6	0
693	53.36	311.9	6	0
694	52.68	312.2		1
695	51.75	313.0		0
697	49.97	313.2		1
698	49.55	315.8	6	0
699	47.83	315.2	6	0
700	46.40	314.7	6	0

Table 3, continued.

Shot Number 8214 Shot Point 8202 Deployment 13
Shot Time (Julian day, hr, min, sec): 287:06:30:00.016

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
301	6.02	90.4	42	0
302	4.85	111.1	6	6
303	17.93	290.4	24	0
304	15.55	252.4	24	0
305	10.51	209.4	42	0
306	26.23	137.3	24	0
307	24.50	136.0		6
308	23.04	133.0	24	0
309	21.66	133.2	24	0
310	20.49	130.7	24	0
311	18.64	129.6	24	0
312	17.67	127.4		1
313	16.88	125.5	24	0
314	15.82	120.9	42	0
315	14.23	120.2	42	0
316	13.19	115.4		1
317	11.71	113.0		1
318	10.27	106.7	42	0
319	9.01	106.6	62	0
320	6.95	105.5	24	0
321	23.78	330.9	24	0
322	25.54	330.5	24	0
323	26.82	326.1	24	0
324	28.20	324.9	24	0
325	29.80	326.4		3
326	31.90	327.2		3
327	33.49	328.2		3
328	34.71	324.8	24	0
329	35.69	328.0		3
330	35.11	329.3	24	0
331	36.49	329.8	24	0
332	38.06	330.6	24	0
333	39.65	330.7	24	0
334	41.30	331.5	6	0
335	42.49	332.8	24	0
336	44.15	333.7	24	0
337	45.64	334.5		1
338	46.98	334.8	24	0
339	48.87	335.6	6	0/12
340	50.08	336.9	24	0/12
341	5.36	47.9		1
342	5.55	36.7	62	0
343	5.22	21.4	62	0
344	6.14	7.4	24	0
345	6.92	0.7	42	0
346	8.57	350.6	42	0
347	10.19	348.2	42	0
348	11.54	342.6	42	0
349	13.03	339.4	42	0
350	15.25	340.8		1
351	16.29	337.4	24	0
352	17.81	335.4	24	0
353	19.31	336.8	24	0
354	20.49	334.0		1
355	12.75	316.0	6	0
356	13.35	310.7	42	0
357	13.42	305.3		17
358	13.87	300.1	42	0
359	13.77	288.9	42	0
360	14.16	286.0	42	0
361	9.83	212.0		1
362	27.43	137.1	24	0
363	29.40	138.3	24	0
364	30.45	138.4	24	0
365	32.12	138.9	24	0
366	33.67	139.3	24	0
367	35.31	138.4		1
368	36.98	138.4	24	0
369	38.58	137.5	24	0
370	40.10	136.8	24	0
371	42.46	135.7	24	0/9
372	43.14	137.3	24	0
373	44.50	137.7	6	0
374	46.37	136.8	24	0
375	48.02	137.6	24	0
376	49.93	136.8	6	0
377	50.92	137.3	6	0
378	52.94	136.8	6	0
379	54.57	136.8		1
380	56.08	136.9	6	0/12
381	4.48	277.7	42	0
382	7.00	161.9	24	0
383	11.39	127.8	24	0
384	34.06	273.7	24	0
385	0.93	252.2	24	0
386	2.19	255.0	82	0
387	2.77	257.3	82	0
388	3.57	259.0	62	0
389	26.12	66.2	24	0
390	13.31	26.4		3
391	21.70	40.1		3
392	22.68	330.1		3
393	5.31	70.3		3
394	4.60	56.3		3
395	3.84	66.7		3
396	2.80	77.7		3
397	1.74	84.4		3
398	2.85	110.9		3
399	0.76	88.8		3
400	0.05	297.9		3

Table 3, continued.

Shot Number 8215 Shot Point 8205 Deployment 14
Shot Time (Julian day, hr, min, sec): 292:11:00:00.004

Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade	Loc	Dist (km)	Azim (deg)	Db	Tape Grade
501	30.46	190.1	24	0	535	7.54	163.4	42	0	569	39.42	62.7	24	0
502	33.17	192.0	24	0	536	9.65	160.8	42	0	570	41.84	62.7	24	0
503	33.72	195.8		1	537	4.62	186.8	62	0	571	43.94	62.4		0
504	36.00	197.5	6	0	538	6.55	203.4	42	0	572	12.55	120.1	42	0
505	23.82	191.1	24	0	539	9.29	195.6	42	0	573	16.30	118.2	42	0
506	21.77	192.6		1	540	12.95	197.9	42	0	574	18.80	122.7	42	0
507	18.84	194.1	42	0	541	7.82	313.6		1	575	24.38	117.6	42	0
508	16.22	196.5	42	0	542	9.88	310.0	42	0	576	26.28	118.1	42	0
509	21.87	183.6	24	0	543	12.51	312.4	42	0	577	29.71	119.5	42	0
510	22.50	176.7	24	0	544	14.65	305.6		1	578	32.76	122.9	24	0
511	21.55	169.4		1	545	17.11	304.3	24	0	579	36.03	120.1		0
512	21.60	164.9	24	0	546	16.72	295.7	24	0	580	39.10	119.8		1
513	25.22	167.7	42	0	547	19.42	301.9		1	581	9.73	120.9	42	0
514	28.55	165.3	24	0	548	22.03	300.4	24	0	582	2.57	24.2	24	0
515	25.44	160.1	24	0	549	14.14	291.9	24	0	583	12.03	328.9	42	0
516	26.70	153.6	42	0	550	24.56	292.7		1	584	17.86	331.7		1
517	26.27	147.2		3	551	27.60	292.0	24	0	585	15.21	338.2		6
518	31.43	164.5		3	552	30.76	293.2	24	0	586	22.24	333.2	24	0
519	34.20	164.7	42	0	553	32.22	292.4	24	0	587	19.54	342.1	24	0
520	38.33	164.9	6	0	554	40.48	290.8	24	0	588	22.01	342.6		2
521	19.83	232.3	24	0	555	25.80	342.9		1	589	23.24	352.0	24	0
522	23.27	235.6	24	0	556	28.41	344.2	24	0	590	23.13	2.3	24	0
523	26.36	233.5	24	0	557	31.09	345.3	24	0	591	11.14	14.9	42	0
524	29.68	229.4	24	0	558	33.00	342.8	24	0	592	8.07	24.5	42	0
525	32.36	223.8	24	0	559	38.26	346.1	24	0	593	15.47	14.6	6	0
526	35.23	223.8	24	0	560	39.51	343.4	24	0	594	18.19	18.2	42	0
527	15.91	223.7	42	0	561	21.38	59.5	24	0	595	24.55	24.6	24	0
528	13.61	225.2	42	0	562	23.25	64.2	24	0	596	29.90	24.1	6	0
529	10.74	232.2	42	0	563	18.15	63.9		1	597	32.02	22.9	6	0
530	9.54	274.0	42	0	564	13.93	75.2		1	598	33.34	20.5	24	0
531	11.56	288.9	42	0	565	27.85	67.2	24	0	599	34.78	20.3		1
532	7.53	223.5		0	566	30.92	65.8	24	0	600	34.87	26.0	6	0
533	5.21	229.6	62	1	567	33.88	63.3	24	0					
534	0.09	262.3	94	0	568	36.51	63.5	6	0					

Table 3, continued.

Shot Number 8216 Shot Point 8201 Deployment 15
Shot Time (Julian day, hr, min, sec): 311:07:30:00.008

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
69	43.93	137.4	6	1
70	34.39	135.4	6	0
71	20.62	2.3	24	0
72	23.09	357.4	6	0
73	26.16	355.1	24	0
74	27.91	353.9	6	0
75	30.63	353.9	24	0
76	0.66	43.0	82	0
77	23.90	144.6	6	0
78	23.30	141.4	24	0
79	23.11	138.9	6	0
80	23.84	131.9	6	0
81	24.24	125.7		0/6
98	33.01	153.4	6	0
303	22.35	171.7		0
304	33.47	171.0	6	0
305	40.34	158.3	6	0
306	60.80	141.4	6	0
307	59.03	141.0	6	0
308	57.44	140.0		1
309	56.09	140.2		1
310	54.80	139.5	6	0
311	52.91	139.4	6	0
312	51.83	138.8	6	0
313	50.93	138.4	6	0
314	49.58	137.3		6
315	48.00	137.6		6
316	46.64	136.7		6
317	45.07	136.8	6	0
318	43.24	136.3	6	0
319	42.14	137.1	6	0
320	40.31	138.4	6	0
321	11.33	131.9		1
322	9.62	129.4	24	0
323	7.91	140.4		28
324	6.50	144.5	62	0
325	4.97	135.2	62	0
326	3.12	119.8	62	0
327	2.33	87.6	82	0
328	0.01	301.5	94	0
329	2.16	28.9	82	0
330	2.76	48.4	82	0
331	3.55	27.0	62	
332	4.97	15.0		1
333	6.24	5.1		
334	7.95	2.0		1
335	9.44	3.3	42	
336	11.21	1.9		2
337	12.83	1.4		1
338	14.12	359.6	42	
339	16.14	359.1	24	
340	17.69	0.8	24	
342	33.39	135.6	6	0
343	32.12	136.9		3
344	30.46	136.9	24	0
345	29.37	136.8	24	0
346	27.24	136.8		6
347	25.65	135.7	24	0
348	23.97	136.3	24	0
349	22.33	136.3	24	0
350	20.48	132.9	24	0
351	19.13	134.0	24	0
352	17.49	134.0	24	0
353	16.30	130.5	24	0
354	14.83	132.0		6
355	22.19	149.8	24	0
356	22.00	153.2	24	0
357	22.50	156.2	24	0
358	22.86	159.4	24	0
359	24.90	163.6		1
360	25.28	165.3	24	0
362	61.99	141.3	6	0/12
363	63.99	141.7	6	0/12
364	65.04	141.7	6	0/12
365	66.73	141.8	6	0/12
366	68.29	142.0	6	0/12
367	69.89	141.5	6	0/12
368	71.57	141.4		1
369	73.13	140.9	6	0/12
370	74.62	140.4	6	0/12
371	76.92	139.7	6	0/12
372	77.67	140.5	6	0/12
373	79.04	140.7	6	0/12
374	80.87	140.1	6	0/12
375	82.56	140.5	6	0/12
376	84.43	140.0	6	0/12
377	85.44	140.2	6	0/12
378	87.43	139.8	6	0/12
379	89.06	139.8	6	0/12
380	90.58	139.8	6	0/12
382	41.44	147.5	6	0
383	45.71	140.5	6	0
384	29.69	208.0	6	0
389	47.34	112.0	6	0
390	30.67	122.3	6	0
391	35.92	109.0	6	0
392	12.29	134.9	24	0
394	35.12	137.2	6	0
395	35.68	138.7	6	0
396	35.88	140.6	6	0

Table 3, continued.

Shot Number 8501 Shot Point 8517 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:06:30:00.012

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	47.32	228.5	12	6
11	46.12	227.8	30	0
12	45.10	226.8	30	0
106	50.73	232.0	12	
107	49.71	231.1	12	
108	48.36	230.6	12	0
109	47.25	230.0	12	
110	46.14	229.6	12	0/6
111	44.88	228.4	30	0
112	43.87	227.4	12	0
204	51.85	233.9	30	
205	50.57	233.2	12	
206	49.80	232.9	12	
207	48.32	232.2	12	
208	47.35	231.2	12	
209	46.16	230.9	12	0
210	45.18	230.3	12	0
211	44.06	229.3	30	0
212	42.78	228.7	30	0
214	40.77	226.6	30	0
299	41.55	227.6	30	
303	51.78	235.8	12	0
304	51.29	234.3		
305	49.77	233.7	12	
306	48.67	233.7	12	0
307	47.54	232.9	12	0
308	46.32	232.2	30	0
310	44.13	230.9		
314	39.64	227.7	30	0
315	38.76	226.6	12	
402	52.29	236.6		
403	51.18	236.1	12	0
404	50.67	236.2	12	
405	48.52	235.1	12	
406	47.71	234.4	12	
407	46.33	233.9	30	0
408	45.21	233.1	12	0
409	44.43	232.5	12	0
411	41.70	230.8	30	0/12
412	40.84	229.9		
413	39.61	229.1	30	
414	38.68	228.2	30	0
415	37.52	227.8	30	
502	51.27	237.5	12	0
503	50.07	236.9	12	0
504	48.97	236.4	12	0
505	48.00	236.0	12	0
506	46.60	235.3	12	0
507	45.28	234.5	12	0
508	44.34	234.0	12	0
509	43.03	233.3	30	0
510	41.95	232.4	30	0
513	38.48	230.4	30	
514	37.51	229.5	12	0
601	51.35	239.1	12	
602	50.16	238.4	12	0
603	49.15	238.1	12	0
604	47.84	237.5	12	0
605	46.93	237.0	12	0
606	45.45	236.3	30	0
607	44.51	235.7		
608	43.15	235.2	12	0
609	42.02	234.2	12	0
613	37.47	231.4	30	0
614	36.61	230.3	12	0
701	50.19	239.8	12	
702	49.28	239.3	12	0
703	48.11	238.9	12	
704	46.95	238.4	12	
705	45.78	237.7	12	0
706	44.34	237.1	12	0
708	42.31	236.2	12	0
709	40.99	235.6		
710	39.97	234.8	30	
800	50.97	241.0	12	
801	49.25	240.9	12	
802	48.16	240.1	12	
803	47.22	240.0	12	
804	46.20	239.3	12	0
805	45.07	239.2	12	0
807	42.43	237.9	12	0
808	41.32	237.2	12	
810	38.84	236.0	30	
811	37.83	235.5	30	0
812	36.53	234.6	30	
813	35.56	233.8	30	
900	49.70	242.1	30	
901	48.60	241.6	12	
902	47.45	241.4	30	
903	46.14	240.4	12	0
904	45.05	240.4	12	0
905	44.02	239.9	30	0
906	42.62	239.5	30	
907	41.21	238.6	12	
908	40.30	238.4	48	
909	39.21	237.6	30	
910	38.06	237.6	30	
911	36.85	236.4	30	
912	35.47	235.8	30	0
1000	48.99	243.4	30	
1001	47.78	242.6	12	0
1002	46.66	242.8	12	0
1003	45.79	242.1	30	0
1004	44.22	241.7	30	
1005	42.83	241.1	12	
1006	41.54	240.7	12	
1007	40.73	240.0	30	
1008	39.59	239.5	30	
1009	37.93	239.1	12	
1010	37.01	238.2	30	
1011	35.87	237.7	12	
1101	46.89	243.9	12	0
1102	45.62	243.6	30	
1103	44.52	243.5	30	
1104	43.41	243.1	12	0
1105	41.94	242.2	30	
1106	40.87	241.5	30	
1107	39.60	241.1	30	
1108	38.27	240.7	30	
1109	37.30	240.6	30	

Table 3, continued.

Shot Number 8502 Shot Point 8518 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:06:34:00.009

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	44.71	320.7	30	
11	44.24	322.2	30	6
12	43.50	323.7	30	
106	47.79	316.5	30	
107	46.97	317.7	12	
108	46.46	319.3	12	
109	45.96	320.7	30	
110	45.64	322.1	30	
111	44.77	323.8	30	
112	44.15	325.2	30	0
204	49.69	315.5	30	
205	48.85	316.8	30	
206	48.52	317.7	30	
207	47.79	319.4	30	
208	46.93	320.6	12	
209	46.72	322.0	30	6
210	46.26	323.3	30	0
211	45.57	324.7	30	
212	45.25	326.4	30	0
214	44.13	329.3	30	
299	44.62	328.1	30	0
303	51.34	315.8	30	
304	49.89	316.1		
305	49.20	317.8	30	6
306	49.12	319.1	30	0
307	48.37	320.4	30	0
308	47.78	321.8	30	0
310	46.80	324.5		
314	45.09	330.5	30	0
315	44.59	331.8	30	0/6
402	52.18	315.4		
403	51.54	316.6	30	
404	51.50	317.1	30	0/6
405	50.32	319.4	12	
406	49.65	320.3	12	
407	49.13	321.8	30	0
408	48.46	323.2	30	0
409	47.98	324.1	12	0
411	46.95	327.5	30	0/12
412	46.43	328.7		
413	46.05	330.3	30	0
414	45.66	331.6	48	
415	45.65	333.1	48	
502	52.76	316.7	12	
503	51.99	317.9	30	0
504	51.41	319.0	12	0
505	50.99	320.1	12	0
506	50.30	321.6	12	0
507	49.56	323.1	12	0
508	49.16	324.2	12	0
509	48.66	325.7	30	0
510	48.06	327.1	30	0
513	47.16	331.4	30	0
514	46.78	332.8	30	0
601	54.17	316.9		
602	53.34	318.0	12	0
603	52.93	319.1	12	0
604	52.24	320.4	12	0
605	51.66	321.4	12	0
606	50.99	323.0	30	0
607	50.52	324.0		
608	50.13	325.5	12	0
609	49.39	326.9	30	
613	47.96	332.5	30	0
614	47.45	333.7	30	0
701	54.57	318.2	30	
702	53.97	319.1	12	
703	53.41	320.3	12	
704	52.81	321.5	12	
705	52.13	322.7	12	0
706	51.59	324.2	12	0
708	50.83	326.5	12	0
709	50.45	328.0		
710	49.92	329.2	30	6
800	55.76	317.7	12	0
801	55.33	319.4	12	
802	54.44	320.4	12	
803	54.18	321.4	12	
804	53.50	322.4	12	0
805	53.25	323.6	12	0
807	52.08	326.4	30	0/12
808	51.55	327.6	30	
810	50.85	330.4	30	0
811	50.59	331.6	30	0
812	50.17	333.2	30	0
813	49.84	334.3	30	0
900	56.41	319.2	30	
901	55.71	320.2	12	
902	55.36	321.3	30	
903	54.34	322.5	12	0
904	54.17	323.7	12	0
905	53.71	324.7	30	0
906	53.28	326.2	30	0
907	52.57	327.7	12	0
908	52.40	328.7	30	
909	51.92	329.9	30	0
910	51.96	331.2	30	0
911	51.27	332.6	30	0
912	51.08	334.2	30	
1000	57.33	320.1	30	
1001	56.40	321.2	12	0
1002	56.38	322.3	12	0
1003	55.66	323.1	30	0/12
1004	55.11	324.7	12	0
1005	54.54	326.1		
1006	54.12	327.4	30	0
1007	53.61	328.3	30	0
1008	53.19	329.5	30	0/6
1009	52.98	331.3	30	0
1010	52.43	332.3	30	0
1011	52.23	333.6	30	
1101	57.27	322.3	30	
1102	56.84	323.5	30	0/6
1103	56.51	324.6	30	0
1104	56.08	325.6	12	0
1105	55.27	327.1	30	0
1106	54.65	328.2	30	0
1107	54.32	329.5	30	0
1108	54.01	330.9	30	0
1109	54.00	331.9	30	0

Table 3, continued.

Shot Number 8503 Shot Point 8506 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:06:36:00.009

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	56.94	137.8	30	
11	57.49	136.7	30	
12	58.35	135.7	30	
106	53.93	141.3	30	
107	54.68	140.3	30	
108	55.16	138.9	30	
109	55.68	137.7	30	
110	56.08	136.6	30	
111	57.10	135.4	30	
112	57.89	134.4	30	0
204	52.14	142.5	30	
205	52.85	141.1	30	
206	53.13	140.3	30	
207	53.83	138.8	30	
208	54.71	137.8	12	
209	55.01	136.6	30	
210	55.57	135.6	30	0
211	56.42	134.5	30	0/12
212	57.01	133.3	30	0/12
214	58.68	131.4	30	
299	57.95	132.1	12	
303	50.46	142.4	30	
304	51.87	141.9		
305	52.45	140.2	30	
306	52.50	139.1	30	0
307	53.27	137.9	30	0
308	53.93	136.7	30	0
310	55.19	134.5		
314	58.07	130.3	12	
315	58.91	129.5	12	
402	49.67	142.9		
403	50.19	141.7	30	
404	50.18	141.1	30	
405	51.30	138.8	30	
406	51.98	137.9	30	
407	52.59	136.5	30	0
408	53.38	135.4	30	0
409	53.96	134.6	30	0
411	55.57	132.0	30	0/12
412	56.33	131.2		
413	57.10	130.1	30	
414	57.84	129.3	30	
415	58.33	128.2	30	
502	48.96	141.6	12	
503	49.66	140.3	30	
504	50.21	139.1	12	0
505	50.64	138.1	30	0
506	51.40	136.6	12	0
507	52.28	135.3	12	0
508	52.81	134.4	12	0
509	53.56	133.1	30	0/12
510	54.40	132.1	30	0
513	56.41	128.8	30	
514	57.18	128.0	30	0
601	47.54	141.5	12	0
602	48.30	140.2	30	0
603	48.69	139.1	12	0
604	49.40	137.7	30	0
605	50.04	136.7	12	0
606	50.85	135.2	30	0
607	51.44	134.3		
608	52.09	132.9	12	0
609	53.07	131.9	30	
613	56.02	127.7	30	0
614	56.91	127.0	12	0
701	47.07	140.0	30	
702	47.64	139.0	30	0
703	48.23	137.7	12	
704	48.89	136.5	12	
705	49.68	135.3	30	0
706	50.42	133.8	30	0
708	51.60	131.8	12	0
709	52.33	130.5		
710	53.16	129.6	30	
800	45.90	140.8	30	0
801	46.29	138.7	30	
802	47.20	137.6	30	
803	47.52	136.5	30	
804	48.29	135.5	30	0
805	48.69	134.2	12	
807	50.36	131.6	30	0/12
808	51.18	130.5	30	
810	52.67	128.2	30	
811	53.31	127.3	30	
812	54.28	126.2	30	0
813	55.05	125.4	30	
900	45.21	139.0	48	
901	45.93	137.8	30	
902	46.34	136.4	30	
903	47.48	135.1	30	0
904	47.80	133.9	30	0
905	48.43	132.8	30	0
906	49.17	131.4	30	0
907	50.23	130.1	12	0
908	50.67	129.2	30	
909	51.51	128.2	30	
910	51.92	127.0	30	
911	53.09	126.1	30	
912	53.91	124.8	30	0
1000	44.31	137.7	30	0
1001	45.30	136.5	30	0
1002	45.42	135.1	30	0
1003	46.25	134.2	30	0
1004	47.06	132.5	30	0
1005	47.92	131.1		
1006	48.67	129.8	30	0
1007	49.40	129.1	30	0
1008	50.18	128.1	30	
1009	51.02	126.5	30	0
1010	51.93	125.8	30	0
1011	52.64	124.7	30	
1101	44.53	135.0	30	0
1102	45.14	133.6	30	0
1103	45.66	132.3	30	0
1104	46.32	131.2	30	0
1105	47.47	129.8	30	0
1106	48.38	128.9	30	0
1107	49.12	127.6	30	0
1108	49.93	126.4	30	0
1109	50.36	125.4	30	0

Table 3, continued.

Shot Number 8504 Shot Point 8111 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:08:45:00.013

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	46.68	274.5	30	
11	45.47	275.2	30	0
12	44.16	275.4	30	
106	51.21	274.2	30	
107	49.95	274.4	12	
108	48.67	275.1	12	
109	47.53	275.7	12	
110	46.51	276.3	30	
111	44.95	276.7	30	
112	43.73	277.1	30	0
204	53.23	274.9	30	
205	51.82	275.3	12	
206	51.08	275.6	12	
207	49.57	276.3	12	
208	48.30	276.4	12	
209	47.31	277.2	12	
210	46.27	277.7	12	0
211	44.96	278.1	30	0
212	43.76	279.0	30	0/12
214	41.34	279.8	30	
299	42.34	279.5	30	
303	54.27	276.3	12	
304	52.99	275.5		
305	51.51	276.2	30	
306	50.73	277.1	12	0
307	49.44	277.4	12	0
308	48.18	278.0	30	0
310	45.92	279.1		
314	41.25	281.7	30	
315	40.14	282.1	30	
402	55.15	276.5		
403	54.01	276.9	12	
404	53.66	277.3	12	
405	51.45	278.2	12	
406	50.45	278.3	48	
407	49.15	279.1	30	0
408	47.90	279.5	12	0
409	47.01	279.8	12	0
411	44.28	281.3	30	0
412	43.25	281.7		
413	42.03	282.5	30	
414	40.99	283.1	30	
415	40.07	284.2	30	
502	54.88	277.9	12	
503	53.59	278.2	12	
504	52.49	278.7	12	0
505	51.57	279.2	12	0
506	50.16	279.8	12	0
507	48.74	280.3	12	0
508	47.81	280.8	12	0
509	46.54	281.6	30	0/12
510	45.32	282.0	30	0
513	42.08	284.5	30	
514	41.04	285.1	30	0
601	55.86	278.9	12	
602	54.56	279.3	12	0
603	53.63	279.8	12	0
604	52.32	280.3	12	
605	51.32	280.6	12	0
606	49.87	281.3	12	0
607	48.91	281.8		
608	47.70	282.7	12	0
609	46.39	283.1	30	
613	42.00	286.1	30	0
614	40.93	286.5	12	0
701	55.39	280.2	12	
702	54.41	280.5	12	
703	53.28	281.0	12	
704	52.13	281.5	12	
705	50.90	282.0	12	0
706	49.57	282.8	12	0
708	47.66	284.0	12	0
709	46.47	284.8		
710	45.36	285.3	30	
800	56.65	280.5	12	0
801	55.30	281.6	12	
802	54.02	281.8	12	
803	53.24	282.4	12	
804	52.13	282.7	12	0
805	51.22	283.5	12	0
807	48.65	284.9	30	0/12
808	47.51	285.4	12	
810	45.30	287.1	30	
811	44.39	287.9	30	
812	43.14	288.8	30	0
813	42.18	289.5		
900	56.30	282.1	30	
901	55.14	282.5	12	
902	54.19	283.2	12	
903	52.66	283.5	12	0
904	51.85	284.3	12	0
905	50.87	284.8	30	0
906	49.65	285.7	30	0
907	48.20	286.3	12	0
908	47.48	287.0	30	
909	46.38	287.6	30	
910	45.63	288.7	30	
911	44.25	289.3	30	
912	43.14	290.5	30	0
1000	56.46	283.4	12	
1001	55.09	283.7	12	0
1002	54.39	284.6	12	0
1003	53.35	284.8	12	0
1004	51.97	285.7	12	0
1005	50.69	286.5	12	
1006	49.55	287.3	30	0
1007	48.65	287.6	30	0
1008	47.59	288.3	30	
1009	46.33	289.6	30	0
1010	45.29	290.1	30	0
1011	44.36	291.0	12	
1101	55.13	285.2	12	
1102	54.05	285.9	12	
1103	53.14	286.6	12	0
1104	52.15	287.2	12	0
1105	50.65	287.8	12	0
1106	49.52	288.3	12	0
1107	48.45	289.2	30	0
1108	47.35	290.1	30	0
1109	46.70	291.0	30	0

Table 3, continued.

Shot Number 8505 Shot Point 8516 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:08:47:00.010

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	61.26	179.2	12	
11	60.89	178.0	12	
12	60.87	176.8	30	
106	61.26	183.4	12	
107	61.14	182.3	12	
108	60.60	181.0	12	
109	60.26	179.9	12	
110	59.82	178.9	12	
111	59.76	177.4	48	
112	59.71	176.2	12	0
204	60.67	185.3	30	
205	60.34	184.0	12	
206	60.03	183.3	12	
207	59.56	181.8	12	
208	59.58	180.6	12	
209	59.00	179.6	12	
210	58.77	178.5	12	0/12
211	58.68	177.2	12	0/12
212	58.27	175.9	12	0/12
214	58.26	173.5	30	
299	58.20	174.5	12	
303	59.36	186.3	12	
304	60.09	185.1		
305	59.49	183.7	30	
306	58.77	182.9	12	0
307	58.59	181.6	12	0
308	58.26	180.3	12	0
310	57.75	178.0		
314	57.00	173.0	12	
315	57.09	171.9	12	
402	59.11	187.2		
403	58.74	186.1	12	
404	58.37	185.7	12	
405	57.73	183.5	12	
406	57.69	182.5	12	
407	57.21	181.2	12	0
408	57.05	179.9	12	0
409	56.97	179.0	12	0
411	56.37	176.0	30	0/12
412	56.40	174.9		
413	56.18	173.6	12	
414	56.15	172.4	12	
415	55.76	171.3	12	
502	57.84	186.9	12	
503	57.53	185.6	12	
504	57.18	184.5	12	0
505	56.83	183.6	12	0
506	56.44	182.1	12	0
507	56.20	180.6	12	0
508	55.97	179.6	12	0
509	55.64	178.2	30	0/12
510	55.57	176.9	12	0/12
513	54.80	173.1	12	
514	54.78	171.9	12	8
601	56.80	187.9	12	
602	56.54	186.6	12	0
603	56.10	185.6	12	0
604	55.72	184.2	12	0
605	55.57	183.2	12	0
606	55.15	181.6	30	0
607	54.95	180.5		
608	54.50	179.1	12	0
609	54.50	177.7	12	
613	53.74	172.5	30	8
614	53.91	171.4	12	0
701	55.58	187.4	12	
702	55.36	186.3	12	
703	54.96	185.1	12	
704	54.64	183.9	12	
705	54.42	182.5	12	0
706	53.97	181.0	12	0
708	53.46	178.8	12	0
709	53.10	177.4		
710	53.06	176.1	30	
800	55.22	188.6	12	0
801	54.24	187.2	12	
802	54.15	185.8	12	
803	53.70	184.9	12	
804	53.57	183.7	12	
805	53.04	182.6	12	0
807	52.47	179.6	12	0/12
808	52.32	178.3	12	
810	51.76	175.5	12	
811	51.57	174.4	30	
812	51.47	172.8	30	8
813	51.45	171.6		
900	53.68	188.2	30	
901	53.43	186.9	12	
902	52.88	185.8	12	
903	52.83	184.2	12	0/12
904	52.25	183.2	12	0
905	52.00	182.0	30	0
906	51.55	180.5	30	0
907	51.38	178.8	12	0
908	51.08	177.8	12	
909	50.99	176.5	12	
910	50.46	175.3	30	
911	50.60	173.7	30	
912	50.31	172.1	12	0
1000	52.37	188.3	12	
1001	52.25	186.8	12	0/12
1002	51.46	185.9	12	0
1003	51.48	184.7	12	0/12
1004	50.93	183.0	12	0
1005	50.58	181.4		
1006	50.22	180.0	12	0
1007	50.24	178.9	30	0
1008	50.05	177.5	12	
1009	49.50	175.7	30	8
1010	49.63	174.5	30	8
1011	49.40	173.1	12	
1101	50.86	186.6	12	
1102	50.35	185.3	12	
1103	49.91	184.1	12	0
1104	49.59	182.8	12	0/12
1105	49.43	181.0	12	0
1106	49.40	179.6	12	8
1107	49.05	178.2	30	0
1108	48.72	176.6	12	0
1109	48.32	175.6	12	0

Table 3, continued.

Shot Number 8506 Shot Point 8519 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:08:49:00.009

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	45.92	1.2	30	
11	46.37	2.7	30	
12	46.52	4.3	30	
106	46.16	355.5	30	
107	46.13	357.1	30	
108	46.59	358.8	30	
109	46.91	0.2	30	
110	47.37	1.5	30	
111	47.55	3.4	30	
112	47.77	4.9	30	0
204	47.09	353.2	30	
205	47.15	355.0	30	
206	47.36	355.9	30	
207	47.68	357.8	30	
208	47.60	359.4	30	
209	48.18	0.6	30	
210	48.45	1.9	30	0
211	48.64	3.5	30	0/12
212	49.22	5.0	30	0
214	49.75	7.8	30	
299	49.57	6.6	30	
303	48.61	352.3	30	
304	47.61	353.6		
305	47.95	355.5	30	
306	48.55	356.6	30	0
307	48.63	358.1	30	0
308	48.91	359.7	30	0
310	49.50	2.5		
314	51.09	8.0	30	
315	51.32	9.2	30	
402	49.07	351.4		
403	49.15	352.8	30	
404	49.43	353.3	30	
405	49.67	356.0	30	
406	49.59	357.2	30	
407	49.98	358.8	30	0
408	50.12	0.2	30	0
409	50.22	1.3	30	0
411	51.10	4.5	30	0/12
412	51.25	5.7		
413	51.74	7.2	30	
414	52.06	8.3	30	
415	52.76	9.4	30	
502	50.22	352.1	30	
503	50.22	353.6	30	
504	50.36	354.9	12	0
505	50.57	356.1	12	0
506	50.80	357.8	30	0
507	50.97	359.4	30	0
508	51.20	0.6	30	0
509	51.59	2.1	30	0/12
510	51.77	3.5	30	0
513	53.19	7.3	30	
514	53.51	8.4	30	0
601	51.49	351.4	12	0
602	51.40	352.8	30	0
603	51.61	354.0	12	0
604	51.76	355.5	12	0
605	51.77	356.7	12	0
606	52.06	358.4	12	0
607	52.22	359.5		
608	52.68	1.0	12	0
609	52.76	2.5	12	
613	54.35	7.5	30	8
614	54.50	8.7	12	0
701	52.53	352.3	30	
702	52.50	353.4	30	
703	52.65	354.7	12	
704	52.78	356.0	12	
705	52.85	357.5	30	0
706	53.21	359.0	30	0
708	53.74	1.3	12	0
709	54.19	2.7		
710	54.36	3.9	30	
800	53.22	351.1	12	
801	53.78	352.8	30	
802	53.57	354.2	30	
803	53.86	355.1	12	
804	53.82	356.4	12	0
805	54.23	357.5	12	0
807	54.70	0.4	12	0/12
808	54.89	1.7	12	
810	55.72	4.3	30	
811	56.09	5.3	30	
812	56.49	6.7	30	8
813	56.80	7.8		
900	54.57	352.0	30	
901	54.51	353.2	12	
902	54.82	354.4	30	
903	54.61	356.0	12	0
904	55.07	357.1	30	0
905	55.23	358.2	30	0
906	55.62	359.6	30	0
907	55.81	1.2	12	0
908	56.16	2.1	12	
909	56.37	3.3	30	
910	57.04	4.3	30	
911	57.16	5.7	30	
912	57.77	7.0	30	0
1000	55.85	352.3	30	
1001	55.62	353.7	12	
1002	56.22	354.7	30	0
1003	56.01	355.8	30	0/12
1004	56.37	357.4	30	0
1005	56.61	358.8		
1006	56.94	0.1	30	0
1007	56.95	1.1	30	0
1008	57.21	2.3	12	
1009	57.93	3.8	30	0
1010	57.98	4.9	30	8
1011	58.44	5.9	12	
1101	56.94	354.2	30	
1102	57.21	355.4	30	
1103	57.49	356.5	30	0
1104	57.69	357.6	12	
1105	57.75	359.2	30	0
1106	57.77	0.4	30	0
1107	58.17	1.7	30	0
1108	58.61	2.9	12	0
1109	59.11	3.7	12	0

Table 3, continued.

Shot Number 8507 Shot Point 8508 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:08:51:00.008

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	50.46	49.8	12	
11	51.67	50.3	30	
12	52.75	51.2	30	
106	47.16	46.1	30	
107	48.11	47.1	12	
108	49.43	47.7	12	
109	50.52	48.3	12	
110	51.63	48.8	12	
111	52.90	49.8	12	
112	53.94	50.6	12	
204	46.28	43.7	30	
205	47.44	44.8	12	
206	48.16	45.2	12	
207	49.57	46.2	12	
208	50.47	47.2	12	
209	51.64	47.6	12	
210	52.60	48.2	12	0/12
211	53.70	49.0	30	0/12
212	54.99	49.5	12	0/12
214	57.07	50.9	12	
299	56.25	50.3	12	
303	46.70	41.7	12	
304	46.89	43.5		
305	48.30	44.4	12	
306	49.38	44.6	12	0
307	50.41	45.6	12	0
308	51.57	46.4	12	0
310	53.67	47.7		
314	58.16	50.1	12	
315	59.08	50.8	12	
402	46.40	40.7		
403	47.35	41.6	12	
404	47.86	41.6	12	
405	49.74	43.3	12	
406	50.44	44.1	12	
407	51.72	44.9	12	0
408	52.74	45.8	12	0/12
409	53.47	46.4	12	0/12
411	56.09	47.9	12	0/12
412	56.93	48.6		
413	58.15	49.2	12	
414	59.10	49.8	12	
415	60.27	50.0	12	
502	47.60	40.1	12	
503	48.59	41.2	12	
504	49.55	42.0	12	0
505	50.42	42.6	12	0
506	51.66	43.6	12	0
507	52.83	44.6	12	0
508	53.70	45.1	12	0/12
509	54.92	45.9	12	0/12
510	55.93	46.7	12	0/12
513	59.30	48.3	12	
514	60.26	48.9	12	8
601	47.98	38.4		
602	48.90	39.6	12	0
603	49.79	40.2	12	0
604	50.89	41.2	12	0
605	51.64	42.0	12	0
606	52.95	43.0	12	0
607	53.77	43.7		
608	55.03	44.4	12	0
609	56.01	45.3	12	
613	60.34	47.8	12	8
614	61.16	48.5	12	2
701	49.29	38.2	12	
702	50.00	39.1	12	
703	50.98	39.9	12	
704	51.94	40.8	12	
705	52.90	41.7	12	0
706	54.18	42.6	12	0
708	55.99	43.8	12	0
709	57.20	44.5		
710	58.11	45.3	30	
800	48.98	36.7	12	0
801	50.53	37.6	12	
802	51.28	38.8	12	
803	52.12	39.3	12	
804	52.89	40.2	12	0/12
805	53.92	40.7	12	0/12
807	56.16	42.5	12	0/12
808	57.12	43.3	12	
810	59.37	44.6	12	
811	60.30	45.2	30	
812	61.48	45.9	30	8
813	62.38	46.5		
900	50.54	36.3	12	
901	51.33	37.4	12	
902	52.34	38.0	12	
903	53.24	39.4	12	0/12
904	54.25	39.8	12	0
905	55.10	40.5	12	0
906	56.32	41.3	30	0
907	57.49	42.4	12	2
908	58.31	42.8	12	
909	59.24	43.5	12	
910	60.36	43.8	30	
911	61.37	44.8	12	
912	62.65	45.4	12	8
1000	51.67	35.6	12	
1001	52.44	36.9	12	0/12
1002	53.54	37.2	12	0/12
1003	54.09	38.1	12	0/12
1004	55.40	39.1	12	2
1005	56.54	40.1		
1006	57.64	40.8	12	2
1007	58.25	41.5	12	2
1008	59.21	42.2	12	
1009	60.74	42.9	12	8
1010	61.47	43.7	30	8
1011	62.50	44.2	12	
1101	53.72	36.3	12	
1102	54.76	37.0	12	
1103	55.68	37.7	12	2
1104	56.57	38.4	12	0/12
1105	57.66	39.6	12	2
1106	58.46	40.5	12	0
1107	59.56	41.2	12	2
1108	60.72	41.9	12	8
1109	61.63	42.2	12	8

Table 3, continued.

Shot Number 8508 Shot Point 8504 Deployment 16
Shot Time (Julian day, hr, min, sec): 255:11:00:00.008

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	86.93	87.7	12	
11	88.19	87.5	12	
12	89.51	87.5	12	
106	82.42	87.5	30	
107	83.68	87.5	12	
108	85.02	87.2	12	
109	86.20	87.0	12	
110	87.30	86.8	12	
111	88.87	86.7	12	
112	90.13	86.7	12	0/12
204	80.49	86.9	48	
205	81.93	86.8	12	
206	82.70	86.7	30	
207	84.28	86.4	12	
208	85.54	86.5	12	
209	86.64	86.2	12	
210	87.72	86.1	12	0
211	89.07	86.1	12	0/12
212	90.38	85.8	12	0/12
214	92.88	85.8	12	
299	91.86	85.7	12	
303	79.87	85.9	12	
304	80.81	86.5		
305	82.36	86.3	30	
306	83.26	85.8	12	0
307	84.58	85.8	12	0
308	85.90	85.7	12	0
310	88.29	85.4		
314	93.30	85.0	12	
315	94.45	85.0	12	
402	79.05	85.6		
403	80.03	85.5	30	
404	80.45	85.2	12	
405	82.75	85.1	12	
406	83.76	85.1	12	
407	85.17	84.9	12	0
408	86.46	84.9	12	0
409	87.38	84.9	12	0/12
411	90.33	84.6	12	0/12
412	91.39	84.6		
413	92.74	84.5	12	
414	93.85	84.4	12	
415	94.96	84.2	12	
502	79.57	84.7	12	
503	80.69	84.7	12	
504	81.85	84.6	12	0
505	82.85	84.4	12	0
506	84.35	84.3	12	0
507	85.83	84.3	12	0
508	86.83	84.2	12	0/12
509	88.23	84.1	12	0/12
510	89.50	84.1	12	0/12
513	93.16	83.6	12	
514	94.29	83.6	12	2
601	78.87	83.8		
602	79.99	83.8	12	0
603	81.01	83.7	12	0
604	82.40	83.6	12	0
605	83.43	83.6	12	0
606	85.00	83.5	12	0
607	86.02	83.5		
608	87.40	83.3	12	0
609	88.75	83.4	12	
613	93.67	83.0	30	8
614	94.77	83.1	12	2
701	79.65	83.0	12	
702	80.45	83.1	12	
703	81.67	83.0	12	
704	82.90	82.9	12	
705	84.20	82.9	12	0
706	85.68	82.8	12	0
708	87.81	82.6	12	0
709	89.17	82.5		
710	90.35	82.5	12	
800	78.53	82.6	12	
801	79.93	82.1	12	
802	81.21	82.3	12	
803	82.12	82.1	12	
804	83.26	82.2	12	0/12
805	84.35	82.0	12	0/12
807	87.16	81.9	12	0/12
808	88.39	81.9	12	
810	90.97	81.7	12	
811	92.03	81.6	12	
812	93.45	81.6	30	8/2
813	94.54	81.6		
900	79.36	81.6	12	
901	80.36	81.6	12	
902	81.48	81.4	12	
903	83.00	81.7	12	0/12
904	84.02	81.4	12	0
905	85.10	81.4	12	0
906	86.52	81.2	12	0
907	88.07	81.3	12	2
908	88.97	81.1	12	
909	90.17	81.2	12	
910	91.23	80.9	12	
911	92.66	81.0	30	
912	94.06	80.9	12	2
1000	79.68	80.7	12	
1001	80.84	80.9	12	0/12
1002	81.84	80.5	12	0/12
1003	82.84	80.7	12	0/12
1004	84.43	80.5	12	2
1005	85.88	80.5		
1006	87.20	80.4	12	2
1007	88.13	80.5	12	8/2
1008	89.33	80.5	12	
1009	90.96	80.3	12	8/2
1010	92.04	80.4	12	8
1011	93.20	80.3	12	
1101	81.36	79.9	12	
1102	82.63	79.8	12	
1103	83.72	79.7	12	2
1104	84.86	79.7	12	0/12
1105	86.45	79.8	12	2
1106	87.64	79.9	30	8
1107	88.93	79.8	12	2
1108	90.27	79.7	12	2
1109	91.20	79.5	12	2

Table 3, continued.

Shot Number 8509 Shot Point 8504 Deployment 16 ("Noise Test")
Shot Time (Julian day, hr, min, sec): 255:11:02:00.000

Loc	Dist (km)	Azim (deg)	Db	Tape Grade
10	86.93	87.7	12	
11	88.19	87.5	30	
12	89.51	87.5	12	
106	82.42	87.5	12	
107	83.68	87.5	12	
108	85.02	87.2	12	
109	86.20	87.0	12	
110	87.30	86.8	12	
111	88.87	86.7	12	
112	90.13	86.7	12	0
204	80.49	86.9	30	
205	81.93	86.8	12	
206	82.70	86.7	12	
207	84.28	86.4	12	
208	85.54	86.5	12	
209	86.64	86.2	12	
210	87.72	86.1	12	0
211	89.07	86.1	12	0
212	90.38	85.8	12	0
214	92.88	85.8	12	
299	91.86	85.7	12	
303	79.87	85.9	12	
304	80.81	86.5		
305	82.36	86.3	12	
306	83.26	85.8	12	0
307	84.58	85.8	12	0
308	85.90	85.7	12	0
310	88.29	85.4		
314	93.30	85.0	12	
315	94.45	85.0	12	
402	79.05	85.6		
403	80.03	85.5	12	
404	80.45	85.2	12	
405	82.75	85.1	12	
406	83.76	85.1	12	
407	85.17	84.9	12	0
408	86.46	84.9	12	0
409	87.38	84.9	12	0
411	90.33	84.6	12	0
412	91.39	84.6		
413	92.74	84.5	12	
414	93.85	84.4	12	
415	94.96	84.2	12	
502	79.57	84.7	12	
503	80.69	84.7	12	
504	81.85	84.6	12	0
505	82.85	84.4	12	0
506	84.35	84.3	12	0
507	85.83	84.3	12	0
508	86.83	84.2	12	0
509	88.23	84.1	12	0
510	89.50	84.1	12	0
513	93.16	83.6	12	
514	94.29	83.6	12	0
601	78.87	83.8	12	0
602	79.99	83.8	12	0
603	81.01	83.7	12	0
604	82.40	83.6	12	0
605	83.43	83.6	12	0
606	85.00	83.5	12	0
607	86.02	83.5		
608	87.40	83.3	12	0
609	88.75	83.4		
613	93.67	83.0	12	8
614	94.77	83.1	12	8
701	79.65	83.0	12	
702	80.45	83.1	12	
703	81.67	83.0	12	
704	82.90	82.9	48	
705	84.20	82.9	12	0
706	85.68	82.8	12	0
708	87.81	82.6	12	0
709	89.17	82.5		
710	90.35	82.5	12	
800	78.53	82.6		
801	79.93	82.1	12	
802	81.21	82.3	12	
803	82.12	82.1	12	
804	83.26	82.2	12	0
805	84.35	82.0	12	0
807	87.16	81.9	30	0
808	88.39	81.9	12	
810	90.97	81.7	12	
811	92.03	81.6	12	
812	93.45	81.6	12	8
813	94.54	81.6		
900	79.36	81.6	12	
901	80.36	81.6	12	
902	81.48	81.4	12	
903	83.00	81.7	30	0
904	84.02	81.4	12	0
905	85.10	81.4	12	0
906	86.52	81.2	12	0
907	88.07	81.3	12	0
908	88.97	81.1	12	
909	90.17	81.2	12	
910	91.23	80.9	12	
911	92.66	81.0	30	
912	94.06	80.9	12	0
1000	79.68	80.7	12	
1001	80.84	80.9	12	0
1002	81.84	80.5	12	0
1003	82.84	80.7	12	0
1004	84.43	80.5	12	0
1005	85.88	80.5		
1006	87.20	80.4	12	0
1007	88.13	80.5	12	0
1008	89.33	80.5	12	
1009	90.96	80.3	12	0
1010	92.04	80.4	12	0
1011	93.20	80.3	12	
1101	81.36	79.9	12	
1102	82.63	79.8	12	
1103	83.72	79.7	12	0
1104	84.86	79.7	12	0
1105	86.45	79.8	12	
1106	87.64	79.9	30	8
1107	88.93	79.8	12	0
1108	90.27	79.7	12	0
1109	91.20	79.5	12	0

TABLE 4
SEGY TAPE SEQUENCE NUMBERS FOR TRACES

TAPE 1

Shot Number	Number of traces	Tape Record Numbers	Shot Number	Number of traces	Tape Record Numbers
7801	36	3- 38	8113	86	1106-1191
7802	31	39- 69	8114	89	1192-1280
7803	28	70- 97	8115	84	1281-1364
8101	72	98- 169	8116	93	1365-1457
8102	81	170- 250	8117	90	1458-1547
8103	78	251- 328	8118	85	1548-1632
8104	87	329- 415	8119	88	1633-1720
8105	81	416- 496	8120	89	1721-1809
8106	88	497- 584	8121	90	1810-1899
8107	90	585- 674	8122	90	1900-1989
8108	92	675- 766	8123	90	1990-2079
8109	82	767- 848	8124	83	2080-2162
8110	89	849- 937	8125	81	2163-2243
8111	82	938-1019	8126	77	2244-2320
8112	86	1020-1105	8127	82	2321-2402

TAPE 2

Shot Number	Number of traces	Tape Record Numbers	Shot Number	Number of traces	Tape Record Numbers
8201	77	3- 79	8214	73	1020-1092
8202	80	80- 159	8215	80	1093-1172
8203	71	160- 230	8216	81	1173-1253
8204	79	231- 309	8501	114	1254-1367
8205	73	310- 382	8502	112	1368-1479
8206	77	383- 459	8503	113	1480-1592
8207	84	460- 543	8504	113	1593-1705
8208	82	544- 625	8505	112	1706-1817
8209	84	626- 709	8506	112	1818-1929
8210	84	710- 793	8507	111	1930-2040
8211	84	794- 877	8508	111	2041-2151
8212	76	878- 953	8509	110	2152-2261
8213	66	954-1019			

TABLE 5
SEGY TAPE REEL IDENTIFICATION HEADER.
PART 1, THE EBCDIC CARD IMAGE BLOCK.

```
C 1
C 2
C 3              DATA TAPE FOR THE 1978-1985 SEISMIC-REFRACTION
C 4                    SURVEYS IN NORTHEASTERN CALIFORNIA
C 5
C 6   This tape is part of a three reel set containing seismic-refraction data
C 7   collected by the U.S. Geological Survey.  Reel 1 contains the 1978 and
C 8   1981 waveform data written in SEGY format.  Reel 2 contains the 1982 and
C 9   1985 waveform data written in SEGY format.  Reel 3 contains tables 1-7
C10   from Kohler and others, 1987, in unlabelled ASCII format.  For further
C11   information, see the accompanying report:
C12
C13   Kohler, W.M., G.S. Fuis, and P.A. Berge, 1987, Data Report for the
C14   1978-1985 Seismic-Refraction Surveys in Northeastern California:
C15   U.S. Geological Survey Open-File Report 87-625, 99 pp.
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
C35
C36
C37
C38
C39
C40  END EBCDIC
```

TABLE 6
SEGY TAPE REEL IDENTIFICATION HEADER.
PART 2, THE BINARY CODED BLOCK.

Byte Numbers	Values this data set	Description
3217 -3218	5000	Sampling interval in microseconds
3221 -3222	4001	Maximum number of samples per data trace
3225 -3226	1	Data sample format code: Floating point (4 bytes)
3255 -3256	1	Measurement system: Meters

TABLE 7
SEGY TAPE TRACE IDENTIFICATION HEADER WRITTEN IN BINARY CODE

Byte Numbers	Values this data set	Description
1 - 4	1-N	Trace sequence number within reel--each reel starts with trace number one. Values vary from 1 to the number of traces on the tape.
5 - 8	1-N	Same as bytes 1 - 4.
9 - 12	varies	Station location number.
29 - 30	1	Trace identification code: Seismic data
37 - 40	varies	Shotpoint-to-recorder distance (m).
41 - 44	varies	Surface elevation at recorder (m); all elevations above sea level are positive and below sea level are negative.
45 - 48	varies	Surface elevation at shotpoint (m).
49 - 52	varies	Source depth below surface, a positive number (m).
69 - 70	1	Scalar to be applied to all elevations.
71 - 72	-100	Scalar to be applied to all coordinates.
73 - 76	varies	Shotpoint coordinate - X.
77 - 80	varies	Shotpoint coordinate - Y.
81 - 84	varies	Recorder coordinate - X.
85 - 88	varies	Recorder coordinate - Y.
89 - 90	2	Coordinate units: Seconds of arc.
115 - 116	2001 or 4001	Number of samples in this trace. 1978, 1981, and 1982 traces are 2001 samples long. 1985 traces are 4001 samples long.
117 - 118	5000	Sample interval in microseconds for this trace.
121 - 122	varies	Recorder attenuation in db for this trace. Trace amplitudes have not been adjusted for instrument gain, but the gain correction factor can be estimated from the instrument attenuation value (see Berge and others, 1986).
157 - 158	varies	Shot detonation time - Year.
159 - 160	varies	Shot detonation time - Day.
161 - 162	varies	Shot detonation time - Hour (24 hour clock).
163 - 164	varies	Shot detonation time - Minute.
165 - 166	varies	Shot detonation time - Second.
167 - 168	2	Time besis code: GMT
181 - 182	varies	Shot detonation time - Milliseconds.
183 - 184	varies	Shotpoint location number.
185 - 186	varies	Recorder unit number.
191 - 192	varies	Distance weighting exponent (hundredths).
193 - 194	varies	Shot sequence number (shot number).
195 - 196	varies	Weight of explosives detonated (kg).
197 - 200	varies	Shotpoint-to-station azimuth (seconds of arc).
201 - 204	varies	Digital trace delay time (milliseconds). The time of the first data sample is found by adding the trace delay time to the shot detonation time.