104988

Poppe/ ASTERIAS LONG IS SND
Lewis-LISRC ASTR 95-1 NIANTIC
(95011) FISHERS ISL
June 6-12, 1995
DGPS NAVIGATION PRINTOUT (6/7-11/95

95011NV2

157:20:15:00 41 19.4667 -71 59.0855 0.7 169.3 3.9 0.0

AST 95-1
LONG ISLAND SOUND
6/7/95 - 6/9/95
NIANTIC BAY

158:11:38:47	41 19.4665	-71 59.0891	0.2	0.0	0.0	0.0
158:11:40:06	41 19.4374	-71 59.0901	5.4	214.3	0.0	0.0
158:11:45:06	41 19.0406	-71 59.2112	5.4	149.2	0.0	0.0
158:11:50:06	41 18.6279	-71 59.6459	7.7	210.3	0.0	0.0
158:11:51:47	41 18.4460	-71 59.8083	7.6	213.7	0.0	0.0
158:11:52:35	41 18.3660	-71 59.8815	7.3	211.3	0.0	0.0
158:11:55:06	41 18.1095	-72 0.1093	7.1	238.1	0.0	0.0
158:12:00:00	41 17.8850	-72 0.8585	7.9	249.5	0.0	0.0
158:12:05:06	41 17.6826	-72 1.6788	7.5	254.2	0.0	0.0
158:12:10:06	41 17.4844	-72 2.4810	7.7	252.7	0.0	0.0
158:12:15:00	41 17.3185	-72 3.3007	7.9	256.9	0.0	0.0
158:12:20:06	41 17.1307	-72 4.1742	8.1	256.3	0.0	0.0
158:12:25:06	41 16.9561	-72 5.0119	7.6	253.1	0.0	0.0
158:12:30:06	41 16.7915	-72 5.8127	7.3	249.3	0.0	0.0
158:12:35:06	41 16.5956	-72 6.6204	7.9	255.9	0.0	0.0
158:12:40:06	41 16.4871	-72 6.6297	1.5	178.3	0.0	0.0
158:12:45:06	41 16.4103	-72 6.5841	0.4	173.8	0.0	0.0
158:12:50:06	41 16.3538	-72 6.5671	1.0	188.1	0.0	0.0
158:12:55:06	41 16.2788	-72 6.5567	1.9	256.9	0.0	0.0
158:13:00:00	41 16.4531	-72 6.8552	3.9	317.0	0.0	0.0
158:13:04:59	41 16.6919	-72 7.1049	3.6	317.2	0.0	0.0
158:13:05:06	41 16.6969	-72 7.1106	4.0	319.3	0.0	0.0
158:13:05:09	41 16.6999	-72 7.1141	2.4	318.6	0.0	0.0
158:13:05:29	41 16.7164	-72 7.1327	3.9	320.8	0.0	0.0
158:13:10:06	41 16.9505	-72 7.3673	3.8	318.1	0.0	0.0
158:13:15:00	41 17.1976	-72 7.6217	3.7	321.9	0.0	0.0
158:13:20:06	41 17.4545	-72 7.8820	3.5	323.6	0.0	0.0
158:13:25:06	41 17.6534	-72 8.0883	0.7	15.3	0.0	0.0
158:13:30:06	41 17.5238	-72 7.8620	5.9	141.9	0.0	0.0
158:13:35:06	41 17.1537	-72 7.4925	5.3	143.0	0.0	0.0
158:13:40:06	41 16.8068	-72 7.1478	5.0	147.1	0.0	0.0
158:13:45:06	41 16.4497	-72 6.8108	5.2	141.0	0.0	0.0
158:13:50:06	41 16.2873	-72 6.6039	1.5	303.5	0.0	0.0

SOL 1

158:14:39:07	41	16.9128	-72	7.2957	4.3	325.8	13.4	0.0
158:14:40:00	41	16.9655	-72	7.3434	4.4	319.2	12.0	0.0
158:14:45:00	41	17.2402	-72	7.6185	4.0	328.1	8.2	0.0
158:14:50:00	41	17.5145	-72	7.8564	3.9	325.1	10.7	0.0
158:14:55:00	41	17.7701	-72	8.0928	3.8	329.5	17.8	0.0
158:14:56:55	41	17.8785	-72	8.1820	2.7	322.2	10.6	0.0
158:14:59:01	41	17.9464	-72	8.3416	4.2	297.8	14.3	0.0
158:15:00:00	41	17.9768	-72	8.4287	4.2	291.1	12.2	0.0
158:15:04:19	41	18.0338	-72	8.7767	4.5	283.8	22.1	0.0
158:15:05:00	41	18.0477	-72	8.8409	4.5	287.1	21.5	0.0
158:15:10:00	41	18.1187	-72	9.3150	4.2	283.9	11.5	0.0
158:15:15:00	41	18.1880	-72	9.7879	4.8	275.1	11.4	0.0
158:15:18:31	41	18.2466	-72	10.1429	4.7	298.7	8.4	0.0
158:15:20:00	41	18.1710	-72	10.1914	4.2	135.1	8.9	0.0
158:15:20:19	41	18.1676	-72	10.1661	4.0	95.2	9.2	0.0
158:15:24:01	41	18.1203	-72	9.8045	4.3	99.6	15.7	0.0
158:15:25:00	41	18.1044	-72	9.7048	4.7	100.9	13.0	0.0
158:15:30:00	41	18.0304	-72	9.1883	5.0	101.8	14.6	0.0
158:15:35:00	41	17.9476	-72	8.6695	4.7	99.5	23.7	0.0
158:15:37:11	41	17.9097	-72	8.4410	3.4	106.6	20.6	0.0
158:15:38:49	41	17.8235	-72	8.3177	4.8	115.2	22.4	0.0
158:15:40:00	41	17.7646	-72	8.2155	5.0	154.7	20.0	0.0
158:15:45:00	41	17.4182	-72	7.8949	5.1	145.8	8.3	0.0
158:15:50:00	41	17.0620	-72	7.5895	5.1	147.8	10.8	0.0
158:15:52:48	41	16.8639	-72	7.4104	5.3	143.4	12.5	0.0
158:15:55:00	41	16.7948	-72	7.4580	3.7	305.9	12.6	0.0
158:16:00:00	41	17.0612	-72	7.7091	4.4	328.6	11.4	0.0

ERROR # 57 AT LINE 1081 16:04:39

158:16:05:00	41	17.3505	-72	7.9673	4.4	324.9	10.2	0.0
158:16:10:00	41	17.6532	-72	8.2339	4.4	321.1	16.7	0.0
158:16:12:40	41	17.8169	-72	8.3814	3.0	324.3	24.5	0.0
158:16:14:36	41	17.8576	-72	8.5597	4.7	278.1	20.4	0.0
158:16:15:00	41	17.8627	-72	8.6017	4.8	280.7	18.6	0.0
158:16:20:00	41	17.9398	-72	9.1307	4.7	278.8	8.8	0.0
158:16:25:00	41	18.0182	-72	9.6525	4.8	285.8	12.8	0.0
158:16:29:48	41	18.1094	-72	10.1776	5.1	280.8	11.1	0.0
158:16:30:00	41	18.1127	-72	10.1997	5.2	281.4	10.5	0.0
158:16:32:06	41	18.0219	-72	10.1822	4.3	102.2	11.1	0.0
158:16:35:00	41	17.9814	-72	9.9249	4.2	103.3	12.3	0.0
158:16:40:00	41	17.9191	-72	9.4716	4.6	98.2	15.7	0.0
158:16:45:00	41	17.8552	-72	9.0170	3.8	118.3	5.9	0.0
158:16:50:00	41	17.7815	-72	8.5668	3.7	102.2	10.2	0.0
158:16:51:18	41	17.7658	-72	8.4598	3.6	98.6	15.1	0.0
158:16:52:24	41	17.7240	-72	8.3848	2.7	146.8	16.4	0.0
158:16:55:00	41	17.5538	-72	8.2659	4.5	145.3	8.9	0.0
158:17:00:00	41	17.2427	-72	8.0042	4.1	148.6	4.9	0.0
158:17:05:00	41	16.9543	-72	7.7454	4.2	145.4	9.5	0.0
158:17:08:01	41	16.7788	-72	7.5870	4.0	143.0	9.6	0.0
158:17:10:00	41	16.7152	-72	7.5561	1.0	190.7	10.8	0.0

158:17:15:00	41	16.5864	-72	7.6213	5.5	222.7	13.6	0.0
158:17:20:00	41	16.2239	-72	8.0557	6.1	221.5	15.2	0.0
158:17:24:43	41	15.9895	-72	8.3687	0.3	180.0	17.7	0.0
158:17:25:00	41	15.9849	-72	8.3724	0.9	207.6	17.9	0.0
158:17:27:24	41	15.9786	-72	8.3841	2.6	357.0	17.1	0.0
158:17:30:00	41	16.1265	-72	8.4000	3.2	359.2	20.6	0.0
158:17:35:00	41	16.4373	-72	8.4665	4.0	353.6	12.8	0.0
158:17:40:00	41	16.7335	-72	8.3794	4.5	344.8	10.6	0.0
158:17:45:00	41	17.0644	-72	8.3849	4.0	353.5	10.2	0.0
158:17:45:55	41	17.1245	-72	8.3873	2.8	8.2	9.8	0.0
158:17:48:54	41	17.2126	-72	8.4791	3.4	199.6	9.7	0.0
158:17:50:00	41	17.1281	-72	8.4974	4.3	169.8	10.3	0.0
158:17:55:00	41	16.7261	-72	8.4944	4.4	177.7	12.7	0.0
158:18:00:00	41	16.3194	-72	8.5153	5.5	194.9	17.8	0.0
158:18:04:10	41	15.9967	-72	8.4858	3.2	175.9	21.7	0.0
158:18:05:00	41	15.9297	-72	8.4975	5.6	217.4	20.7	0.0
158:18:07:40	41	15.9916	-72	8.6274	2.0	17.0	31.4	0.0
158:18:10:00	41	16.1142	-72	8.6157	3.5	359.3	31.1	0.0
158:18:15:00	41	16.3994	-72	8.5897	3.4	3.8	19.1	0.0
158:18:20:00	41	16.7267	-72	8.6087	4.0	359.4	14.7	0.0
158:18:25:00	41	17.0570	-72	8.6150	4.0	7.1	10.8	0.0
158:18:30:00	41	17.4076	-72	8.6221	4.3	352.7	8.8	0.0
158:18:35:00	41	17.7769	-72	8.6166	4.9	348.8	7.5	0.0
158:18:36:24	41	17.8865	-72	8.6150	3.1	2.5	18.9	0.0
158:18:38:30	41	17.8583	-72	8.7138	4.6	190.8	15.7	0.0
158:18:40:00	41	17.7497	-72	8.7132	4.7	171.6	5.5	0.0
158:18:45:00	41	17.3469	-72	8.7179	4.7	178.4	8.6	0.0
158:18:50:00	41	16.9323	-72	8.7153	5.2	179.5	11.0	0.0
158:18:55:00	41	16.5200	-72	8.7098	5.0	172.7	14.4	0.0
158:19:00:00	41	16.1040	-72	8.7205	5.0	179.0	32.7	0.0
158:19:01:21	41	15.9983	-72	8.7174	1.6	181.6	33.1	0.0
158:19:03:49	41	15.9496	-72	8.8278	2.9	10.0	35.4	0.0
158:19:05:00	41	16.0073	-72	8.8199	2.9	8.1	34.2	0.0
158:19:10:00	41	16.2847	-72	8.8120	3.7	355.8	16.8	0.0

ERROR # 57 AT LINE 1081 19:10:08

158:19:15:00	41	16.5977	-72	8.8156	3.9	355.3	15.3	0.0
158:19:20:00	41	16.9180	-72	8.8155	4.0	354.9	11.5	0.0
158:19:25:00	41	17.2552	-72	8.8148	4.3	354.0	10.7	0.0

158:19:30:00	41	17.5942	-72	8.8179	4.3	355.7	5.6	0.0
158:19:34:11	41	17.8902	-72	8.8175	3.2	353.5	14.0	0.0
158:19:35:00	41	17.9508	-72	8.8287	4.5	330.9	19.0	0.0
158:19:36:13	41	17.9113	-72	8.9058	1.5	186.9	13.8	0.0
158:19:40:00	41	17.6095	-72	8.9090	5.3	186.4	5.5	0.0
158:19:45:00	41	17.1803	-72	8.9113	5.3	179.0	10.7	0.0
158:19:50:00	41	16.7539	-72	8.9133	4.9	178.9	13.3	0.0
158:19:55:00	41	16.3498	-72	8.9108	4.9	176.8	14.7	0.0
158:19:59:19	41	15.9896	-72	8.9262	4.3	177.6	34.0	0.0
158:20:00:00	41	15.9354	-72	8.9249	4.7	185.0	38.1	0.0
158:20:02:18	41	15.9700	-72	9.0063	11.9	47.0	39.9	0.0
158:20:05:00	41	16.1193	-72	9.0273	3.8	358.6	33.7	0.0
158:20:10:00	41	16.1472	-72	9.0080	0.3	163.2	30.7	0.0
158:20:15:00	41	16.0600	-72	8.9684	1.0	221.4	33.9	0.0
158:20:20:00	41	15.9723	-72	9.1110	1.7	238.9	40.0	0.0
158:20:24:31	41	16.1727	-72	9.0151	4.3	24.4	29.9	0.0
158:20:25:00	41	16.2055	-72	9.0179	4.2	334.4	26.5	0.0
158:20:30:00	41	16.5571	-72	9.0276	4.2	7.4	17.4	0.0
158:20:33:42	41	16.8177	-72	9.0325	1.5	344.2	12.9	0.0
158:20:35:00	41	16.8991	-72	9.0248	3.9	348.7	10.3	0.0
158:20:38:07	41	17.0961	-72	9.0445	3.8	357.3	11.2	0.0
158:20:40:00	41	17.1904	-72	9.1348	3.9	254.1	13.8	0.0
158:20:40:49	41	17.1291	-72	9.1342	5.0	180.0	13.3	0.0
158:20:45:00	41	16.7563	-72	9.1360	5.4	180.0	18.2	0.0
158:20:50:00	41	16.3566	-72	9.1319	4.6	184.5	15.4	0.0
158:20:54:31	41	15.9927	-72	9.1358	5.2	178.0	39.6	0.0
158:20:55:00	41	15.9507	-72	9.1268	5.0	167.0	42.5	0.0
158:21:00:00	41	15.8055	-72	9.0346	1.3	228.5	0.0	0.0

AST95-1

NIANTIC SURVEY 6/8/95

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159:11:10:06 41 19.3150 -71 59.2132   5.4  214.0      0.0    0.0
159:11:15:06 41 18.9167 -71 59.3028  12.0  230.7      0.0    0.0
159:11:20:06 41 18.4299 -72  0.0002   8.8  231.7      0.0    0.0
159:11:25:00 41 18.1026 -72  0.8532   9.3  250.4      0.0    0.0

159:11:40:00 41 17.4198 -72  3.7812   9.2  252.5      0.0    0.0
159:11:45:00 41 17.1861 -72  4.7224   9.0  248.4      0.0    0.0
159:11:50:00 41 16.9171 -72  5.6242   8.8  249.3      0.0    0.0
159:11:55:00 41 16.6366 -72  6.5225   9.0  248.0      0.0    0.0
159:12:00:00 41 16.3622 -72  7.4140   8.6  255.5      0.0    0.0

159:12:05:00 41 16.1349 -72  8.2896   8.2  253.8      0.0    0.0

ERROR # 57  AT LINE  1081   12:07:24


ERROR # 57  AT LINE  1081   12:07:25


ERROR # 57  AT LINE  1081   12:07:27


ERROR # 57  AT LINE  1081   12:07:28


ERROR # 57  AT LINE  1081   12:07:29


ERROR # 57  AT LINE  1081   12:07:31


ERROR # 57  AT LINE  1081   12:07:32


ERROR # 57  AT LINE  1081   12:07:33


ERROR # 57  AT LINE  1081   12:07:35


ERROR # 57  AT LINE  1081   12:07:36


159:12:10:00 41 15.9869 -72  9.1806   4.0  254.3      0.0    0.0

ERROR # 57  AT LINE  1081   12:14:54


ERROR # 57  AT LINE  1081   12:14:56


ERROR # 57  AT LINE  1081   12:14:57


ERROR # 57  AT LINE  1081   12:14:59


ERROR # 57  AT LINE  1081   12:15:00
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ERROR # 57 AT LINE 1081 12:15:01

ERROR # 57 AT LINE 1081 12:15:03

ERROR # 57 AT LINE 1081 12:15:04

ERROR # 57 AT LINE 1081 12:15:05

ERROR # 57 AT LINE 1081 12:15:06

159:12:28:24	41 16.0098	-72 9.2414	3.1	0.8	39.6	0.0	
159:12:35:00	41 16.4918	-72 9.2418	4.6	353.8	18.6	0.0	
159:12:49:17	41 17.5078	-72 9.2883	4.1	353.7	7.6	0.0	
159:12:50:00	41 17.5561	-72 9.2993	4.1	352.4	6.9	0.0	
159:12:57:29	41 17.9587	-72 9.3355	4.7	195.2	13.9	0.0	
159:13:02:06	41 17.5867	-72 9.3408	5.0	179.0	6.5	0.0	
159:13:07:39	41 17.1270	-72 9.3465	3.2	177.6	11.8	0.0	
159:13:15:18	41 16.4951	-72 9.3519	4.8	178.4	13.3	0.0	
159:13:21:12	41 15.9936	-72 9.3492	1.7	174.1	37.7	0.0	SOL 18
159:13:24:17	41 15.9579	-72 9.4480	4.1	347.1	39.7	0.0	
159:13:25:00	41 16.0073	-72 9.4491	4.1	6.3	33.4	0.0	
159:13:30:00	41 16.3637	-72 9.4492	4.4	7.8	20.2	0.0	
159:13:35:00	41 16.7120	-72 9.4503	4.2	356.9	15.8	0.0	
159:13:40:00	41 17.0861	-72 9.4479	4.3	0.0	12.9	0.0	
159:13:45:00	41 17.4722	-72 9.4535	4.9	357.9	7.8	0.0	
159:13:50:00	41 17.8888	-72 9.4457	4.9	0.0	9.0	0.0	
159:13:51:00	41 17.9736	-72 9.4514	5.0	352.1	16.1	0.0	SOL20
159:13:53:18	41 17.9816	-72 9.5456	4.1	196.2	13.7	0.0	
159:13:55:00	41 17.8592	-72 9.5521	4.4	181.2	13.7	0.0	
159:14:05:00	41 17.1001	-72 9.5529	4.3	191.4	11.3	0.0	
159:14:10:00	41 16.7123	-72 9.5531	4.7	180.6	15.8	0.0	
159:14:20:00	41 16.0231	-72 9.5510	4.3	180.6	35.3	0.0	
159:14:20:40	41 15.9779	-72 9.5535	2.6	181.0	38.9	0.0	
159:14:24:11	41 16.0184	-72 9.6685	1.3	351.8	39.0	0.0	
159:14:25:00	41 16.0782	-72 9.6649	4.3	358.8	37.9	0.0	

ERROR # 57 AT LINE 1081 14:34:58

159:14:49:06	41 17.9670	-72 9.6637	5.2	1.0	12.4	0.0	
159:14:50:00	41 18.0328	-72 9.6849	4.0	309.6	12.6	0.0	SOL22
159:14:52:36	41 17.9383	-72 9.7734	4.3	193.9	10.7	0.0	
159:14:55:00	41 17.7581	-72 9.7700	4.1	193.3	7.8	0.0	
159:15:00:00	41 17.3819	-72 9.7693	4.5	178.8	8.8	0.0	
159:15:05:00	41 17.0039	-72 9.7743	4.3	187.3	13.5	0.0	
159:15:10:00	41 16.6641	-72 9.8012	3.6	210.7	15.2	0.0	
159:15:15:00	41 16.4677	-72 9.7886	4.3	174.6	16.0	0.0	

ERROR # 57 AT LINE 1081 15:15:41

159:15:16:00	41 16.3917	-72 9.7778	4.6	184.5	17.3	0.0
159:15:20:00	41 16.1023	-72 9.7775	4.5	177.1	32.0	0.0
159:15:21:30	41 15.9963	-72 9.7776	4.5	177.1	36.6	0.0
159:15:25:00	41 15.9142	-72 9.8683	4.2	0.0	38.4	0.0

ERROR # 5 AT LINE 1081 15:26:29

ERROR # 5 AT LINE 1081 15:26:31

ERROR # 5 AT LINE 1081 15:26:32

ERROR # 5 AT LINE 1081 15:26:33

ERROR # 5 AT LINE 1081 15:26:35

ERROR # 5 AT LINE 1081 15:26:36

ERROR # 5 AT LINE 1081 15:26:37

ERROR # 5 AT LINE 1081 15:26:38

159:15:30:00 41 16.2693 -72 9.8754 4.2 356.3 22.9 0.0

ERROR # 57 AT LINE 1081 15:32:12

ERROR # 57 AT LINE 1081 15:32:55

159:15:35:00 41 16.6382 -72 9.8745 4.6 2.2 15.4 0.0
159:15:40:00 41 17.0009 -72 9.8742 4.0 356.1 13.9 0.0
159:15:45:00 41 17.3763 -72 9.8762 4.7 357.2 9.3 0.0
159:15:50:00 41 17.7628 -72 9.8757 4.9 0.5 7.8 0.0

159:15:53:18 41 18.0102 -72 9.8806 4.3 5.5 11.6 0.0
159:15:55:54 41 17.9931 -72 9.9802 3.1 174.2 14.1 0.0
159:16:00:00 41 17.6940 -72 9.9806 4.0 184.6 7.8 0.0
159:16:05:00 41 17.3413 -72 9.9799 4.4 181.2 8.9 0.0
159:16:10:00 41 16.9875 -72 9.9839 4.6 174.9 13.3 0.0
159:16:15:00 41 16.6243 -72 9.9790 4.3 178.8 16.0 0.0
159:16:20:00 41 16.3016 -72 9.9809 3.7 184.2 20.2 0.0

159:16:24:42 41 15.9928 -72 9.9815 1.4 180.0 34.2 0.0
159:16:25:00 41 15.9733 -72 9.9816 3.9 178.7 35.2 0.0
159:16:28:18 41 16.0201 -72 10.0969 4.7 23.8 30.7 0.0
159:16:30:00 41 16.1387 -72 10.0855 4.5 357.7 24.9 0.0
159:16:35:00 41 16.4910 -72 10.0877 4.4 355.9 18.5 0.0
159:16:40:00 41 16.8140 -72 10.0828 4.4 355.9 17.7 0.0
159:16:45:00 41 17.2157 -72 10.0792 4.9 4.7 11.4 0.0

ERROR # 57 AT LINE 1081 16:45:18

ERROR # 57 AT LINE 1081 16:46:52

ERROR # 57 AT LINE 1081 16:49:15

159:16:50:00 41 17.6246 -72 10.0829 5.3 352.2 7.5 0.0
159:16:54:40 41 18.0067 -72 10.0904 3.4 356.2 13.4 0.0

ERROR # 57 AT LINE 1081 16:54:44

```
159:16:55:00 41 18.0337 -72 10.0884   4.5    3.5     13.1    0.0
159:16:56:48  41 18.0310 -72 10.1892   4.6  189.0     11.0    0.0
159:17:00:00 41 17.7834 -72 10.1767   4.7  181.1      8.0    0.0

ERROR # 57  AT LINE  1081   17:00:18


ERROR # 57  AT LINE  1081   17:01:29

159:17:03:54  41 17.4829 -72 10.1938   2.9  180.9      7.9    0.0
159:17:05:00 41 17.3976 -72 10.1816   4.8  172.4      8.9    0.0

ERROR # 57  AT LINE  1081   17:06:56


ERROR # 57  AT LINE  1081   17:09:07

159:17:10:00 41 17.0110 -72 10.1840   4.5  187.4     13.8    0.0

159:17:15:00 41 16.6224 -72 10.1843   4.6  172.1     15.9    0.0
159:17:20:00 41 16.2573 -72 10.1868   4.3  185.4     21.2    0.0
159:17:23:40  41 15.9930 -72 10.1879   2.9  188.9     27.8    0.0
159:17:25:00 41 15.9106 -72 10.2251   3.9  266.5     30.1    0.0
159:17:27:00  41 15.9988 -72 10.2926   4.2  356.9     25.2    0.0
159:17:30:00 41 16.2119 -72 10.2908   4.4    1.8     21.6    0.0
159:17:35:00 41 16.5751 -72 10.3006   4.2    1.2     16.3    0.0

159:17:40:00 41 16.9215 -72 10.2991   3.4    3.8     15.3    0.0
159:17:45:00 41 17.2299 -72 10.2933   3.7  358.6     11.3    0.0
159:17:50:00 41 17.5157 -72 10.2943   3.6  356.4      8.0    0.0
159:17:55:00 41 17.7980 -72 10.3005   3.4  359.2      8.5    0.0
159:18:00:00 41 18.0957 -72 10.3026   3.6  358.6      9.5    0.0

159:18:04:24  41 18.3800 -72 10.3088   2.8    5.5      7.6    0.0
159:18:05:00 41 18.4056 -72 10.3327   3.4  277.1      7.6    0.0
159:18:09:18  41 18.3068 -72 10.4011   4.4  156.6      8.3    0.0
159:18:10:00 41 18.2545 -72 10.3987   4.4  181.8      8.1    0.0
159:18:15:00 41 17.8656 -72 10.4030   5.2  183.5     10.3    0.0
159:18:20:00 41 17.4556 -72 10.3973   5.0  175.3      8.4    0.0
159:18:25:00 41 17.0437 -72 10.4029   5.1  180.5     13.9    0.0

159:18:30:00  41 16.6759 -72 10.4140   0.7  279.4     17.6    0.0

159:18:38:32  41 16.1449 -72 10.4065   4.7  173.9     21.9    0.0
159:18:40:00 41 16.0246 -72 10.4000   4.6  174.4     25.6    0.0
159:18:40:31  41 15.9845 -72 10.3973   4.9  181.1     25.9    0.0
159:18:43:31  41 16.0086 -72 10.5198   3.9   39.1     25.3    0.0
159:18:45:00 41 16.1162 -72 10.5099   4.6  357.2     23.4    0.0

ERROR # 57  AT LINE  1081   18:45:24


ERROR # 57  AT LINE  1081   18:45:37


ERROR # 57  AT LINE  1081   18:48:53


ERROR # 57  AT LINE  1081   18:48:59

159:18:50:00 41 16.4882 -72 10.5127   4.9  359.5     18.8    0.0

ERROR # 57  AT LINE  1081   18:52:57

159:18:55:00 41 16.8670 -72 10.5100   4.8  353.5     16.2    0.0
```

ERROR # 57 AT LINE 1081 18:56:19

ERROR # 57 AT LINE 1081 18:57:26

159:19:00:00	41 17.2390	-72 10.5195	4.2	357.5	11.3	0.0
159:19:04:49	41 17.5620	-72 10.5163	4.1	357.5	8.0	0.0
159:19:05:00	41 17.5752	-72 10.5180	4.2	354.4	8.1	0.0
159:19:08:07	41 17.7830	-72 10.5121	4.3	357.6	9.1	0.0

ERROR # 57 AT LINE 1081 19:09:45

159:19:10:00	41 17.9159	-72 10.5499	4.6	340.4	9.8	0.0

ERROR # 57 AT LINE 1081 19:10:52

159:19:11:19	41 18.0054	-72 10.5351	4.3	17.3	9.5	0.0
159:19:14:01	41 17.9608	-72 10.6066	4.8	163.6	9.4	0.0
159:19:15:00	41 17.8777	-72 10.5978	5.2	181.5	9.6	0.0

ERROR # 57 AT LINE 1081 19:16:05

159:19:20:00	41 17.4387	-72 10.6155	5.3	186.4	8.6	0.0
159:19:25:00	41 17.0346	-72 10.6101	4.6	173.3	14.2	0.0
159:19:30:00	41 16.6380	-72 10.6124	4.7	192.2	18.7	0.0
159:19:35:00	41 16.2537	-72 10.6129	4.6	182.8	21.7	0.0
159:19:38:25	41 15.9987	-72 10.6172	3.0	174.7	23.7	0.0
159:19:40:00	41 15.9587	-72 10.7109	4.9	335.4	24.4	0.0
159:19:40:41	41 16.0056	-72 10.7136	2.8	8.4	24.6	0.0
159:19:45:00	41 16.3289	-72 10.7188	4.4	1.8	21.2	0.0
159:19:49:07	41 16.6263	-72 10.7066	1.1	326.6	19.0	0.0
159:19:50:00	41 16.6161	-72 10.7262	1.2	240.0	19.2	0.0
159:19:55:00	41 16.9257	-72 10.7188	4.5	352.0	15.9	0.0
159:20:00:00	41 17.3340	-72 10.7131	4.8	2.7	10.4	0.0
159:20:05:00	41 17.7371	-72 10.7154	4.6	2.2	8.9	0.0
159:20:10:00	41 18.1249	-72 10.7242	4.8	0.0	10.5	0.0
159:20:15:00	41 18.5429	-72 10.7302	4.9	358.4	6.2	0.0
159:20:17:11	41 18.7119	-72 10.7163	3.0	354.8	6.3	0.0
159:20:20:00	41 18.9100	-72 10.8284	4.7	5.5	5.2	0.0
159:20:22:19	41 18.9175	-72 10.8262	4.9	169.5	4.8	0.0
159:20:25:00	41 18.6882	-72 10.8250	5.2	179.5	6.0	0.0
159:20:30:00	41 18.2791	-72 10.8221	4.5	188.6	6.7	0.0
159:20:35:00	41 17.8877	-72 10.8233	5.0	180.0	10.5	0.0
159:20:40:00	41 17.4788	-72 10.8226	4.6	177.2	8.4	0.0
159:20:45:00	41 17.0868	-72 10.8239	4.7	181.1	13.5	0.0
159:20:50:00	41 16.6866	-72 10.8293	4.8	192.0	18.3	0.0
159:20:55:00	41 16.2850	-72 10.8261	4.8	175.7	21.8	0.0
159:20:59:19	41 15.9864	-72 10.8247	4.2	185.0	26.1	0.0

– EOL 32
end of day 2 of surveying
NIANTIC BAY, LIS

9 JUNE 1995 SOF TAPE 5

160:10:55:05	41 19.4707	-71 59.0838	0.3	339.3	0.0	0.0
160:11:00:05	41 19.4701	-71 59.0835	0.5	184.8	0.0	0.0
160:11:05:05	41 19.1631	-71 59.2671	9.7	179.7	0.0	0.0
160:11:10:05	41 18.7320	-71 59.5636	16.0	224.7	0.0	0.0
160:11:15:05	41 18.2241	-72 0.3958	16.1	250.4	0.0	0.0
160:11:20:05	41 17.9710	-72 1.4219	16.4	253.0	0.0	0.0
160:11:25:05	41 17.7022	-72 2.4450	15.9	250.6	0.0	0.0
160:11:30:05	41 17.4614	-72 3.4777	16.6	252.3	0.0	0.0

ERROR # 57 AT LINE 1081 12:19:38

ERROR # 57 AT LINE 1081 12:19:40

ERROR # 57 AT LINE 1081 12:19:41

ERROR # 57 AT LINE 1081 12:19:42

ERROR # 57 AT LINE 1081 12:19:43

ERROR # 57 AT LINE 1081 12:19:45

ERROR # 57 AT LINE 1081 12:19:46

ERROR # 57 AT LINE 1081 12:19:47

ERROR # 57 AT LINE 1081 12:19:49

ERROR # 57 AT LINE 1081 12:19:50

```
 160:12:25:00 41 15.8958 -72 10.6655   4.9  261.6      0.0    0.0

ERROR # 57  AT LINE  1081   12:26:52

 160:12:30:00 41 16.0720 -72 10.9353   4.8    8.1     27.1    0.0
 160:12:30:12  41 16.0883 -72 10.9345   1.7  353.8     27.0    0.0
 160:12:35:00 41 16.4727 -72 10.9411   5.1    4.1     19.0    0.0
 160:12:40:00 41 16.8820 -72 10.9327   5.3  357.6     15.5    0.0

ERROR # 57  AT LINE  1081   12:40:31


ERROR # 57  AT LINE  1081   12:44:42
```

160:12:45:00 41 17.2979 -72 10.9315 5.0 4.7 10.5 0.0

160:12:48:12 41 17.5584 -72 10.9310 1.6 1.6 8.3 0.0
160:12:50:00 41 17.7103 -72 10.9383 4.8 356.2 9.1 0.0

ERROR # 5 AT LINE 1081 12:54:16

ERROR # 5 AT LINE 1081 12:54:18

ERROR # 5 AT LINE 1081 12:54:19

ERROR # 5 AT LINE 1081 12:54:20

ERROR # 5 AT LINE 1081 12:54:22

ERROR # 5 AT LINE 1081 12:54:23

ERROR # 5 AT LINE 1081 12:54:24

160:12:58:07 41 18.3497 -72 10.9276 4.3 350.2 0.0 0.0
160:13:00:00 41 18.4904 -72 10.9239 4.5 359.4 0.0 0,0
160:13:05:00 41 18.8658 -72 10.9309 4.3 357.6 0.0 0.0
160:13:06:41 41 18.9901 -72 10.9362 2.9 358.2 0.0 0.0
160:13:08:41 41 18.9818 -72 11.0505 3.3 171.3 0.0 0.0
160:13:10:06 41 18.8618 -72 11.0500 10.3 180.5 0.0 0.0
160:13:15:01 41 18.4455 -72 11.0476 4.9 181.6 5.7 0.0
160:13:20:00 41 18.0276 -72 11.0393 4.6 179.4 6.5 0.0

ERROR # 57 AT LINE 1081 13:24:24

160:13:25:00 41 17.6484 -72 11.0386 4.4 182.4 8.2 0.0

160:13:30:00 41 17.3012 -72 11.0416 4.2 178.8 10.0 0.0
160:13:35:00 41 16.9483 -72 11.0420 4.4 179.4 15.8 0.0
160:13:40:00 41 16.5787 -72 11.0351 4.7 176.7 18.1 0.0
160:13:45:00 41 16.1992 -72 11.0422 4.6 182.8 25.0 0.0

ERROR # 57 AT LINE 1081 13:45:27

160:13:47:37 41 15.9894 -72 11.0474 5.0 184.2 28.2 0.0
160:13:50:00 41 15.9655 -72 11.1454 3.9 332.5 30.3 0.0

160:13:50:31 41 15.9984 -72 11.1547 4.6 0.6 29.2 0.0

ERROR # 57 AT LINE 1081 13:50:59

ERROR # 57 AT LINE 1081 13:52:05

ERROR # 57 AT LINE 1081 13:54:45

160:13:55:00 41 16.3361 -72 11.1504 4.6 1.1 21.2 0.0
160:13:58:49 41 16.5969 -72 11.1355 1.8 70.8 16.4 0.0
160:14:00:00 41 16.5903 -72 11.0991 1.2 98.7 15.3 0.0

ERROR # 57 AT LINE 1081 14:02:45

160:14:03:07 41 16.7718 -72 11.1632 4.8 7.6 17.3 0.0
160:14:05:00 41 16.9240 -72 11.1566 5.1 4.6 16.9 0.0

ERROR # 57 AT LINE 1081 14:05:57

ERROR # 57 AT LINE 1081 14:07:02

160:14:10:00 41 17.3471 -72 11.1572 4.9 0.5 9.3 0.0

ERROR # 57 AT LINE 1081 14:11:46

160:14:15:00 41 17.7845 -72 11.1593 5.3 359.0 7.2 0.0

ERROR # 57 AT LINE 1081 14:17:11

160:14:20:00 41 18.1968 -72 11.1578 5.0 359.0 5.6 0.0

160:14:28:37 41 18.8587 -72 11.1658 4.5 358.3 0.0 0.0
160:14:30:00 41 18.9630 -72 11.1557 4.2 7.4 0.0 0.0
160:14:32:07 41 19.1283 -72 11.1567 4.8 359.5 0.0 0.0
160:14:33:49 41 19.1060 -72 11.2582 4.8 185.5 0.0 0.0
160:14:35:00 41 19.0069 -72 11.2605 4.9 186.4 0.0 0.0
160:14:40:00 41 18.5887 -72 11.2512 5.2 179.0 0.0 0.0

ERROR # 13 AT LINE 1081 14:43:32

ERROR # 13 AT LINE 1081 14:43:33

ERROR # 13 AT LINE 1081 14:43:35

ERROR # 13 AT LINE 1081 14:43:36

ERROR # 13 AT LINE 1081 14:43:37

ERROR # 13 AT LINE 1081 14:43:39

ERROR # 13 AT LINE 1081 14:43:40

ERROR # 13 AT LINE 1081 14:43:41

ERROR # 13 AT LINE 1081 14:43:43

ERROR # 13 AT LINE 1081 14:43:44

160:14:52:01 41 17.6177 -72 11.2498 4.9 185.3 6.8 0.0
160:14:55:00 41 17.3917 -72 11.2513 4.6 180.0 8.2 0.0

ERROR # 57 AT LINE 1081 14:55:56

160:15:00:00 41 17.0303 -72 11.2572 4.4 181.2 16.3 0.0
160:15:05:00 41 16.7019 -72 11.2482 4.0 174.8 18.1 0.0
160:15:10:00 41 16.3782 -72 11.2504 4.1 180.0 21.5 0.0

```
ERROR # 5  AT LINE  1081   15:11:27

ERROR # 5  AT LINE  1081   15:11:28

ERROR # 5  AT LINE  1081   15:11:30

ERROR # 5  AT LINE  1081   15:11:31

ERROR # 5  AT LINE  1081   15:11:32

ERROR # 5  AT LINE  1081   15:11:33

ERROR # 5  AT LINE  1081   15:11:35

ERROR # 5  AT LINE  1081   15:11:36

ERROR # 5  AT LINE  1081   15:11:37

 160:15:15:00 41 16.0690 -72 11.2509   3.8  183.4     28.3    0.0
 160:15:16:13  41 15.9955 -72 11.2514   1.2  189.0     29.6    0.0
 160:15:19:22  41 15.9866 -72 11.3533   1.4  350.7     29.0    0.0
 160:15:20:00 41 16.0344 -72 11.3540   4.4    1.8     29.0    0.0

ERROR # 57  AT LINE  1081   15:22:09

ERROR # 5  AT LINE  1081   15:24:23

ERROR # 5  AT LINE  1081   15:24:24

ERROR # 5  AT LINE  1081   15:24:26

ERROR # 5  AT LINE  1081   15:24:27

ERROR # 5  AT LINE  1081   15:24:28

ERROR # 5  AT LINE  1081   15:24:30

ERROR # 5  AT LINE  1081   15:24:31

ERROR # 5  AT LINE  1081   15:24:32

ERROR # 5  AT LINE  1081   15:24:33

 160:15:30:00 41 16.7387 -72 11.3511   4.1  348.5      0.0    0.0
 160:15:35:00 41 17.1066 -72 11.3695   4.5  354.8      0.0    0.0
 160:15:40:00 41 17.4805 -72 11.3580   4.1  358.1      0.0    0.0
 160:15:45:00 41 17.8093 -72 11.3576   4.3  355.1      0.0    0.0
```

160:15:47:37	41	17.8388	-72	11.3567	0.9	11.4	0.0	0.0
160:15:50:00	41	18.0183	-72	11.3628	5.1	357.0	0.0	0.0
160:15:54:37	41	18.3867	-72	11.3604	4.6	1.1	0.0	0.0
160:15:55:00	41	18.4181	-72	11.3611	4.7	0.0	0.0	0.0
160:15:56:37	41	18.5458	-72	11.3603	4.6	359.4	0.0	0.0
160:15:59:43	41	18.4874	-72	11.4737	1.7	176.9	0.0	0.0
160:16:00:00	41	18.4630	-72	11.4734	5.1	176.4	0.0	0.0
160:16:05:00	41	18.0581	-72	11.4636	5.0	176.4	0.0	0.0
160:16:10:00	41	17.6528	-72	11.4683	4.7	176.7	0.0	0.0

→ DEPK 5.4

ERROR # 57 AT LINE 1081 16:12:33

160:16:25:06	41	16.5180	-72	11.4661	5.0	177.9	21.9	0.0
160:16:30:06	41	16.1905	-72	11.4685	3.9	184.0	27.5	0.0
160:16:33:05	41	15.9942	-72	11.4647	4.4	177.6	28.4	0.0
160:16:35:06	41	15.9566	-72	11.5479	2.6	283.1	29.2	0.0
160:16:35:59	41	15.9942	-72	11.5723	4.4	358.2	29.1	0.0
160:16:40:06	41	16.3083	-72	11.5804	4.5	2.9	27.2	0.0
160:16:45:06	41	16.6937	-72	11.5818	4.5	10.5	22.8	0.0
160:16:50:06	41	17.1034	-72	11.5765	5.3	358.0	13.6	0.0
160:16:55:06	41	17.5234	-72	11.5783	5.0	7.3	6.1	0.0
160:17:05:06	41	18.3119	-72	11.5810	5.0	0.0	4.5	0.0
160:17:07:29	41	18.5048	-72	11.5759	4.9	2.1	4.6	0.0
160:17:09:39	41	18.4750	-72	11.6924	3.2	178.4	4.6	0.0
160:17:10:06	41	18.4402	-72	11.6863	4.5	172.0	4.6	0.0
160:17:20:06	41	17.6245	-72	11.6856	5.0	180.5	5.4	0,0
160:17:25:06	41	17.2214	-72	11.6903	4.9	180.5	9.0	0.0
160:17:30:06	41	16.8286	-72	11.6823	4.6	180.6	25.1	0.0
160:17:34:49	41	16.4563	-72	11.6825	1.7	192.6	24.5	0.0
160:17:35:06	41	16.4359	-72	11.6812	4.8	175.6	25.1	0.0
160:17:40:06	41	16.0394	-72	11.6823	4.9	178.9	28.7	0.0
160:17:40:53	41	15.9754	-72	11.6845	3.5	180.0	29.2	0.0
160:17:43:35	41	15.9392	-72	11.8031	4.2	353.8	28.8	0.0
160:17:50:06	41	16.4297	-72	11.8016	4.4	3.5	27.3	0.0
160:17:55:06	41	16.8132	-72	11.8041	4.3	4.3	28.6	0.0
160:18:05:06	41	17.5555	-72	11.7975	4.3	2.4	5.9	0.0
160:18:10:06	41	17.9290	-72	11.7954	4.6	3.4	5.0	0.0
160:18:11:05	41	18.0081	-72	11.7936	5.0	1.6	4.9	0.0
160:18:13:09	41	18.0077	-72	11.8977	3.1	164.0	4.7	0.0
160:18:20:06	41	17.4183	-72	11.8979	5.2	181.0	6.6	0.0
160:18:25:06	41	16.9631	-72	11.9073	5.3	186.4	19.0	0.0
160:18:30:06	41	16.5391	-72	11.8998	5.0	183.6	27.3	0.0
160:18:35:06	41	16.1347	-72	11.8895	5.0	177.4	27.8	0.0
160:18:36:59	41	15.9734	-72	11.8842	5.0	176.4	29.1	0.0
160:18:40:06	41	15.9502	-72	12.0142	4.2	11.3	29.0	0.0
160:18:40:17	41	15.9637	-72	12.0087	4.3	14.5	29.1	0.0
160:18:50:06	41	16.6695	-72	12.0028	4.4	1.8	25.9	0.0
160:18:55:06	41	17.0003	-72	11.9977	3.7	358.6	16.0	0.0
160:19:00:00	41	17.3168	-72	11.9980	4.0	1.9	8.1	0.0
160:19:05:06	41	17.6608	-72	11.9968	4.4	359.4	5.6	0.0
160:19:09:50	41	18.0042	-72	12.0048	1.6	358.4	4.7	0.0
160:19:10:06	41	18.0242	-72	12.0043	4.5	358.8	4.6	0.0
160:19:15:00	41	17.9007	-72	11.9166	6.5	179.6	5.1	0.0
160:19:20:06	41	17.3339	-72	11.9681	6.7	199.6	8.1	0.0
160:19:24:29	41	16.9006	-72	12.1442	5.8	167.0	10.3	0.0
160:19:25:06	41	16.8468	-72	12.1180	5.7	158.7	11.9	0.0
160:19:30:06	41	16.3823	-72	12.1206	5.3	199.3	13.2	0.0
160:19:34:17	41	16.0120	-72	12.1126	5.4	178.1	30.7	0.0

— EQL 43 AIS+95.1

160:19:35:06 41 15.9866 -72 12.1274 1.5 226.8 29.6 0.0

ERROR # 5 AT LINE 1081 19:36:16

ERROR # 5 AT LINE 1081 19:36:18

ERROR # 5 AT LINE 1081 19:36:19

ERROR # 5 AT LINE 1081 19:36:20

ERROR # 5 AT LINE 1081 19:36:22

ERROR # 5 AT LINE 1081 19:36:23

ERROR # 5 AT LINE 1081 19:36:24

ERROR # 5 AT LINE 1081 19:36:25

ERROR # 5 AT LINE 1081 19:36:27

ERROR # 5 AT LINE 1081 19:36:28

160:19:40:00 41 16.3301 -72 12.0894 5.2 359.0 0.0 0.0

ERROR # 57 AT LINE 1081 19:40:10

ERROR # 57 AT LINE 1081 19:40:11

ERROR # 57 AT LINE 1081 19:40:13

ERROR # 57 AT LINE 1081 19:42:46

160:19:45:00 41 16.7528 -72 12.1054 4.9 4.7 19.3 0.0
160:19:50:00 41 17.0529 -72 12.1248 1.2 252.4 9.0 0.0
160:19:52:51 41 16.9555 -72 12.1068 1.7 190.7 10.8 0.0 ~ SOL 44
160:19:55:00 41 16.7542 -72 12.1072 5.5 179.5 18.2 0.0
160:20:00:00 41 16.3097 -72 12.1056 4.3 163.0 37.8 0.0
160:20:03:55 41 15.9744 -72 12.0984 3.2 178.4 29.9 0.0

AST 95-1
6/10/95

FISHER'S ISLAND SOUND

161:10:55:06	41 19.4717	-71 59.0845	0.8	180.0	0.0	0.0		
161:11:00:06	41 19.4714	-71 59.0825	0.6	343.2	0.0	0.0		
161:11:05:06	41 19.4393	-71 59.0880	5.2	214.2	0.0	0.0		
161:11:10:06	41 18.9848	-71 59.2043	5.9	176.5	0.0	0.0		
161:11:15:00	41 18.4479	-71 59.8220	8.9	215.2	0.0	0.0		
161:11:20:06	41 17.9019	-72 0.3279	1.3	202.5	0.0	0.0		
161:11:25:06	41 17.8730	-72 0.4373	1.4	252.8	14.2	0.0		
161:11:30:06	41 17.8225	-72 0.5118	4.1	28.4	18.0	0.0		
161:11:35:06	41 17.8062	-72 0.2934	5.0	337.6	11.8	0.0		
161:11:36:49	41 17.8848	-72 0.2625	1.2	92.9	10.0	0.0	- SOL 1	
161:11:40:06	41 17.8901	-72 0.0011	3.6	87.2	14.7	0.0		
161:11:45:06	41 17.8921	-71 59.6003	4.0	77.0	23.5	0.0		
161:11:50:06	41 17.8938	-71 59.2106	3.6	92.9	21.3	0.0		
161:11:55:06	41 17.8952	-71 58.8114	3.6	91.0	26.2	0.0		
161:12:00:00	41 17.8935	-71 58.4056	3.8	87.3	25.4	0.0		
161:12:05:06	41 17.8966	-71 57.9346	4.1	87.5	24.1	0.0		
161:12:10:06	41 17.8855	-71 57.4834	4.8	87.9	21.2	0.0		
161:12:15:00	41 17.8877	-71 57.0140	4.1	92.5	12.7	0.0		
161:12:20:06	41 17.8964	-71 56.5264	4.6	84.7	18.3	0.0		
161:12:25:06	41 17.8916	-71 56.0006	5.6	90.0	22.2	0.0		
161:12:30:06	41 17.8976	-71 55.4246	5.3	94.5	15.3	0.0		
161:12:35:06	41 17.8899	-71 54.8939	5.1	85.3	11.4	0.0		
161:12:40:06	41 17.8903	-71 54.3783	4.6	84.1	13.3	0.0		
161:12:45:06	41 17.8897	-71 53.9159	4.2	97.3	16.2	0.0		
161:12:49:05	41 17.8839	-71 53.5893	4.3	96.4	18.3	0.0		
161:12:50:06	41 17.8829	-71 53.4947	4.4	88.4	18.4	0.0		
161:12:55:06	41 17.8872	-71 53.0016	4.7	87.1	9.5	0.0		
161:13:00:00	41 17.8862	-71 52.5235	4.2	97.4	12.9	0.0		
161:13:05:06	41 17.8929	-71 52.0312	4.3	90.0	10.9	0.0		
161:13:06:05	41 17.8933	-71 51.9345	4.2	90.0	11.7	0.0		
161:13:08:23	41 17.9650	-71 51.9599	3.2	274.3	10.2	0.0	- SOL 2	
161:13:10:06	41 17.9692	-71 52.1427	4.8	270.7	10.4	0.0		
161:13:15:00	41 17.9730	-71 52.6442	4.8	270.0	11.5	0.0		
161:13:20:06	41 17.9630	-71 53.1460	4.3	267.6	9.7	0.0		
161:13:25:06	41 17.9682	-71 53.6262	4.5	271.5	16.8	0.0		
161:13:27:30	41 17.9615	-71 53.8027	3.8	265.4	19.5	0.0		
161:13:30:06	41 17.9707	-71 54.0616	4.3	270.0	20.0	0.0		
161:13:31:53	41 17.9901	-71 54.2340	3.0	265.4	16.6	0.0		
161:13:35:06	41 17.9733	-71 54.4884	3.5	271.0	16.3	0.0		

161:13:40:06	41	17.9660	-71	54.8604	3.4	277.1	16.7	0.0
161:13:45:06	41	17.9815	-71	55.2359	3.3	273.2	18.3	0.0
161:13:50:06	41	17.9746	-71	55.5864	3.2	268.9	12.0	0.0
161:13:55:06	41	17.9693	-71	56.0028	3.8	271.8	18.7	0.0
161:14:00:00	41	17.9583	-71	56.4301	4.2	287.4	17.8	0.0
161:14:05:06	41	17.9611	-71	56.8906	3.9	275.3	7.6	0.0
161:14:10:06	41	17.9633	-71	57.3539	4.5	268.5	22.7	0.0
161:14:15:00	41	17.9715	-71	57.7917	3.7	267.2	13.0	0.0
161:14:20:06	41	17.9717	-71	58.2332	3.0	272.3	23.2	0.0
161:14:25:06	41	17.9637	-71	58.5940	3.2	272.2	24.7	0.0
161:14:27:17	41	17.9629	-71	58.7560	3.4	268.0	25.3	0.0
161:14:30:06	41	17.9528	-71	58.8095	3.8	269.1	24.9	0.0
161:14:35:06	41	17.9666	-71	59.2303	3.9	266.4	22.2	0.0
161:14:40:06	41	17.9723	-71	59.6464	3.6	270.9	19.2	0.0
161:14:40:39	41	17.9696	-71	59.6898	1.7	268.0	17.8	0.0
161:14:45:06	41	17.9586	-71	59.9087	3.2	276.5	8.2	0.0
161:14:50:06	41	17.9659	-72	0.3019	3.4	269.0	7.4	0.0
161:14:50:29	41	17.9667	-72	0.3324	3.4	270.0	7.9	0.0

ERROR # 57 AT LINE 1081 14:50:48

161:14:53:05	41	18.0452	-72	0.3217	6.4	91.6	11.5	0.0
161:14:55:06	41	18.0492	-72	0.0361	6.3	86.7	8.9	0.0
161:15:00:00	41	18.0392	-71	59.3637	6.1	91.1	21.0	0.0
161:15:05:06	41	18.0479	-71	58.7242	5.6	87.6	20.0	0.0
161:15:10:06	41	18.0443	-71	58.0546	6.0	92.3	20.5	0.0
161:15:13:09	41	18.0324	-71	57.7082	2.2	113.8	8.6	0.0
161:15:15:00	41	18.0450	-71	57.4728	5.9	88.8	17.2	0.0
161:15:20:06	41	18.0419	-71	56.7629	6.5	92.6	10.3	0.0
161:15:25:06	41	18.0392	-71	56.0611	5.9	88.3	17.2	0.0
161:15:30:06	41	18.0476	-71	55.3516	6.7	91.0	16.9	0.0
161:15:35:06	41	18.0392	-71	54.6266	6.7	92.6	20.7	0.0
161:15:40:06	41	18.0425	-71	53.9170	5.9	85.9	21.5	0.0
161:15:45:06	41	18.0073	-71	53.2549	6.5	114.7	8.1	0.0
161:15:50:06	41	18.0424	-71	52.6650	5.0	88.6	9.5	0.0
161:15:55:06	41	18.0497	-71	52.0851	5.3	89.4	7.5	0.0
161:15:55:53	41	18.0504	-71	51.9910	3.6	86.2	6.3	0.0
161:15:57:53	41	18.1163	-71	51.9452	2.7	275.1	6.4	0.0
161:16:00:00	41	18.1233	-71	52.1314	4.0	276.0	6.3	0.0
161:16:05:06	41	18.1235	-71	52.5974	4.4	269.2	7.2	0.0
161:16:10:06	41	18.1032	-71	53.0657	4.0	252.5	7.4	0.0
161:16:15:00	41	18.1222	-71	53.4374	3.7	284.1	8.3	0.0
161:16:20:06	41	18.1241	-71	53.8267	3.6	263.2	15.7	0.0
161:16:25:06	41	18.1268	-71	54.1525	3.2	270.0	21.8	0.0
161:16:30:06	41	18.1264	-71	54.5349	3.6	269.1	20.3	0.0
161:16:35:06	41	18.1224	-71	54.9262	3.9	273.5	19.5	0.0
161:16:40:06	41	18.1275	-71	55.3302	3.6	262.3	12.9	0.0
161:16:45:06	41	18.1315	-71	55.7097	3.5	262.2	10.0	0.0
161:16:50:06	41	18.1196	-71	56.1190	3.8	273.6	12.1	0.0
161:16:55:06	41	18.1271	-71	56.5209	3.6	258.6	11.3	0.0
161:17:00:00	41	18.1227	-71	56.9394	4.1	270.0	12.4	0.0

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161:17:05:06 41 18.1232 -71 57.4013   4.0  275.1     12.7    0.0
161:17:10:06 41 18.1229 -71 57.8067   3.6  284.3     13.6    0.0

161:17:15:00  41 18.1259 -71 58.2100   3.8  270.0     16.7    0.0
161:17:20:06 41 18.1183 -71 58.6558   4.2  268.3     15.4    0.0
161:17:25:06 41 18.1218 -71 59.1082   4.3  270.0     20.5    0.0

ERROR # 5  AT LINE  1081   17:25:56


ERROR # 5  AT LINE  1081   17:25:58


ERROR # 5  AT LINE  1081   17:25:59


ERROR # 5  AT LINE  1081   17:26:00


ERROR # 5  AT LINE  1081   17:26:02


ERROR # 5  AT LINE  1081   17:26:03


ERROR # 5  AT LINE  1081   17:26:04


ERROR # 5  AT LINE  1081   17:26:06


ERROR # 5  AT LINE  1081   17:26:07


161:17:30:06 41 18.1200 -71 59.5592   4.0  267.4      0.0    0.0
161:17:30:29  41 18.1202 -71 59.5945   3.7  270.9      0.0    0.0
161:17:35:00  41 18.1256 -71 59.9789   4.0  265.7     10.4    0.0
161:17:39:05  41 18.1253 -72  0.3346   3.9  273.6     10.1    0.0
161:17:40:06 41 18.1311 -72  0.4221   3.8  295.5      9.9    0.0
161:17:41:59  41 18.2009 -72  0.3089   5.6   96.1      8.7    0.0
161:17:45:06 41 18.2018 -71 59.9147   5.4   90.0      8.7    0.0
161:17:50:06 41 18.1988 -71 59.2964   5.5   90.0      8.0    0.0

161:17:55:06 41 18.1945 -71 58.6975   5.5   88.7     16.8    0.0
161:17:59:53  41 18.2006 -71 58.1224   3.7   89.1     16.3    0.0
161:18:00:06 41 18.2007 -71 58.0980   5.5   91.2     16.8    0.0
161:18:05:06 41 18.1956 -71 57.4957   5.2   88.0     18.9    0.0

ERROR # 57  AT LINE  1081   18:07:40

161:18:10:06 41 18.1972 -71 56.9078   5.2   91.3     13.9    0.0
161:18:15:00  41 18.1921 -71 56.3465   5.2   92.0     11.8    0.0

161:18:20:06 41 18.1976 -71 55.7664   5.2   89.3      6.2    0.0

ERROR # 57  AT LINE  1081   18:20:07

161:18:25:06 41 18.1941 -71 55.1930   5.3   83.5     11.9    0.0
161:18:30:06 41 18.1958 -71 54.6296   5.0   80.4     26.6    0.0
161:18:35:06 41 18.2001 -71 54.0662   5.3   97.2     16.0    0.0

ERROR # 5  AT LINE  1081   18:36:02


ERROR # 5  AT LINE  1081   18:36:03
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SOL 5

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ERROR # 5  AT LINE  1081   18:36:04

ERROR # 5  AT LINE  1081   18:36:06

ERROR # 5  AT LINE  1081   18:36:07

ERROR # 5  AT LINE  1081   18:36:08

ERROR # 5  AT LINE  1081   18:36:10

ERROR # 5  AT LINE  1081   18:36:11

 161:18:39:42  41 18.1875 -71 53.5731   2.9   99.6      0.0    0.0
 161:18:40:00 41 18.1886 -71 53.5427   4.4   64.7      0.0    0.0
 161:18:41:49  41 18.2783 -71 53.6322   5.1  273.4      0.0    0.0
 161:18:45:00 41 18.2758 -71 53.9776   4.2  269.2      8.6    0.0

ERROR # 57  AT LINE  1081   18:45:48

 161:18:50:00 41 18.2721 -71 54.4701   4.6  277.5     17.1    0.0
 161:18:55:00 41 18.2774 -71 54.9808   4.9  273.5     24.2    0.0
 161:18:59:07  41 18.2712 -71 55.4197   4.9  272.8      9.3    0.0  - EOL 6
 161:19:00:00 41 18.2453 -71 55.5123   4.8  247.4      8.4    0.0

 161:19:05:00 41 18.1795 -71 56.0527   4.8  295.8     10.5    0.0
 161:19:07:19  41 18.2742 -71 56.2339   5.0  270.0      8.6    0.0
 161:19:10:00 41 18.2763 -71 56.5294   4.9  272.8      8.6    0.0
 161:19:15:00 41 18.2689 -71 57.0590   4.8  272.1     15.3    0.0
 161:19:17:49  41 18.2775 -71 57.3482   4.2  266.7     16.3    0.0
 161:19:20:00 41 18.2785 -71 57.5051   4.7  271.5     17.4    0.0
 161:19:24:42  41 18.2709 -71 58.0137   3.5  267.0     17.1    0.0  - EOL 7
 161:19:25:00 41 18.2674 -71 58.0486   4.7  251.3     17.2    0.0

 161:19:30:00 41 18.0179 -71 57.8571   4.6  153.5     11.8    0.0
 161:19:33:25  41 17.8104 -71 57.7895   3.1  262.3     12.1    0.0
 161:19:35:00 41 17.8024 -71 57.9650   5.1  272.7     16.0    0.0
 161:19:40:00 41 17.8094 -71 58.4971   5.2  274.0     24.9    0.0
 161:19:45:00 41 17.7968 -71 59.0672   5.3  256.9     22.4    0.0  - Hit Bottom
 161:19:48:41  41 17.8104 -71 59.4909   3.3  273.1     14.6    0.0
 161:19:50:00 41 17.8080 -71 59.5751   1.6  259.3     20.0    0.0

 161:19:55:00 41 17.7829 -71 59.4978   4.1  119.0     16.7    0.0
 161:19:56:49  41 17.8048 -71 59.5767   5.0  270.0     18.1    0.0
 161:20:00:00 41 17.7988 -71 59.9568   5.3  272.6     19.2    0.0
 161:20:03:11  41 17.8028 -72  0.3330   4.3  275.6     11.4    0.0
 161:20:05:00 41 17.8064 -72  0.5220   4.1  273.3     16.3    0.0
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06/11/95 AST95-01

FISHER'S ISLAND SOUND

& TRANSIT TO + LINE 9

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162:11:05:00 41 19.3651 -71 59.1682   6.3  212.8      0.0    0.0
162:11:10:00 41 18.9161 -71 59.2836   6.0  229.2      0.0    0.0
162:11:15:00 41 18.4090 -71 59.5687   8.5  201.9      0.0    0.0
162:11:20:00 41 17.8130 -72  0.2157  10.0  224.5      0.0    0.0
162:11:25:00 41 17.6650 -72  0.5299   1.9  271.9      0.0    0.0

162:11:29:49  41 17.6514 -72  0.3084   3.0   93.4      0.0    0.0
162:11:30:00 41 17.6502 -72  0.2946   3.2   98.7      0.0    0.0
162:11:35:00 41 17.6459 -71 59.9164   3.4   92.0     25.3    0.0
162:11:40:00 41 17.6477 -71 59.5242   3.4   88.0     19.0    0.0
162:11:45:00 41 17.6506 -71 59.1271   4.3   95.6     20.5    0.0
162:11:47:07  41 17.6469 -71 58.9243   4.6   85.5     21.8    0.0
162:11:50:01  41 17.5586 -71 58.8742   4.8  282.2     16.0    0.0
162:11:55:00 41 17.5671 -71 59.4329   6.2  264.4     15.0    0.0

162:12:00:00 41 17.5591 -72  0.1017   6.6  270.5     22.8    0.0
162:12:01:41  41 17.5647 -72  0.3359   4.2  274.1     20.3    0.0
162:12:03:49  41 17.4776 -72  0.4121   2.7   79.6     20.2    0.0
162:12:04:07  41 17.4804 -72  0.3920   3.0   86.6     20.5    0.0
162:12:05:00 41 17.4840 -72  0.3364   2.9   87.6     20.6    0.0
162:12:07:41  41 17.4721 -72  0.2823   1.1   93.2     21.4    0.0
162:12:10:00 41 17.4840 -72  0.1121   3.5   85.1     21.8    0.0
162:12:15:00 41 17.4822 -71 59.6858   3.7   96.5     19.4    0.0
162:12:20:00 41 17.4882 -71 59.2220   4.4   83.0     10.4    0.0

162:12:23:07  41 17.4896 -71 58.9279   4.7   87.8      5.5    0.0
162:12:25:00 41 17.5557 -71 58.9732   4.8  263.5     16.1    0.0
162:12:30:00 41 17.4645 -71 59.5103   5.1  249.4     16.6    0.0
162:12:31:49  41 17.3979 -71 59.6801   4.5  254.4     18.2    0.0

ERROR # 57  AT LINE  1081   12:34:42

162:12:35:00 41 17.3945 -72  0.0250   4.7  268.5     19.8    0.0
162:12:37:43  41 17.3999 -72  0.3275   1.7  266.0     21.8    0.0
162:12:40:00 41 17.5508 -72  0.4385   4.6  344.1     16.0    0.0
162:12:43:01  41 17.7158 -72  0.4073   3.2  100.9     15.0    0.0
162:12:45:00 41 17.7198 -72  0.2484   3.9   95.3     11.7    0.0

162:12:50:00 41 17.7224 -71 59.8347   3.7   90.9     22.7    0.0
162:12:55:00 41 17.7236 -71 59.4204   3.9   88.2     15.8    0.0
162:12:55:37  41 17.7250 -71 59.3706   3.8   85.5     15.4    0.0

ERROR # 57  AT LINE  1081   12:59:38

162:13:00:00 41 17.7244 -71 58.9797   4.2   90.8     21.6    0.0

ERROR # 57  AT LINE  1081   13:01:46

162:13:05:00 41 17.7274 -71 58.4946   4.5   83.9     15.6    0.0

ERROR # 5  AT LINE  1081   13:05:54


ERROR # 5  AT LINE  1081   13:05:56
```

— SOL 11

ERROR # 5 AT LINE 1081 13:05:58

ERROR # 5 AT LINE 1081 13:06:00

ERROR # 5 AT LINE 1081 13:06:01

ERROR # 5 AT LINE 1081 13:06:02

162:13:10:00	41 17.7276	-71 57.9767	4.7	89.3	10.6	0.0
162:13:15:00	41 17.7191	-71 57.4444	4.7	88.5	11.7	0.0
162:13:20:00	41 17.7234	-71 56.9303	5.1	87.3	13.0	0.0
162:13:23:41	41 17.7164	-71 56.5117	3.5	80.1	16.8	0.0
162:13:25:00	41 17.6723	-71 56.4017	4.3	170.4	10.9	0.0
162:13:26:01	41 17.6550	-71 56.4783	4.4	274.6	14.2	0.0
162:13:30:00	41 17.6465	-71 56.8627	4.5	273.0	12.5	0.0
162:13:35:00	41 17.6471	-71 57.3823	5.1	266.6	13.5	0.0
162:13:40:00	41 17.6499	-71 57.9213	4.8	272.8	12.8	0.0
162:13:42:51	41 17.6504	-71 58.2147	1.5	260.6	12.3	0.0
162:13:44:55	41 17.5599	-71 58.1851	3.3	86.9	13.7	0.0
162:13:45:00	41 17.5601	-71 58.1746	4.8	88.6	13.7	0.0
162:13:47:19	41 17.5616	-71 57.9373	3.9	104.3	16.7	0.0
162:13:50:00	41 17.5552	-71 57.7009	4.7	101.0	18.6	0.0
162:13:55:00	41 17.5677	-71 57.1576	5.3	86.7	11.2	0.0
162:13:59:43	41 17.5657	-71 56.6227	1.9	90.0	11.3	0.0
162:14:00:00	41 17.5644	-71 56.5885	4.9	99.1	13.2	0.0
162:14:03:11	41 17.4854	-71 56.7503	2.8	273.7	9.5	0.0
162:14:05:00	41 17.4725	-71 56.9091	3.7	241.9	9.5	0.0
162:14:10:00	41 17.4860	-71 57.3718	4.3	266.8	11.0	0.0
162:14:13:25	41 17.4760	-71 57.6907	2.9	262.9	10.9	0.0
162:14:15:00	41 17.4233	-71 57.8127	3.7	186.2	10.7	0.0
162:14:15:55	41 17.4021	-71 57.7335	3.7	90.0	11.4	0.0
162:14:20:00	41 17.4012	-71 57.2628	4.9	94.2	12.6	0.0
162:14:24:37	41 17.3987	-71 56.7193	5.2	89.3	7.9	0.0
162:14:25:00	41 17.3837	-71 56.6895	4.0	158.1	8.4	0.0
162:14:26:13	41 17.3114	-71 56.6977	1.4	272.5	4.6	0.0
162:14:26:49	41 17.3174	-71 56.7577	4.6	274.5	4.5	0.0
162:14:30:00	41 17.3264	-71 57.0659	4.2	272.5	7.7	0.0
162:14:35:00	41 17.3184	-71 57.5257	4.1	276.6	10.6	0.0
162:14:40:00	41 17.3205	-71 57.9631	4.1	268.3	11.3	0.0
162:14:40:37	41 17.3193	-71 58.0168	3.8	268.2	10.8	0.0
162:14:45:00	41 17.5777	-71 57.7247	5.4	58.3	18.3	0.0
162:14:48:49	41 17.8112	-71 57.3838	5.5	90.0	9.8	0.0
162:14:50:00	41 17.8007	-71 57.2413	5.5	96.3	10.5	0.0
162:14:55:00	41 17.7984	-71 56.6335	5.4	101.6	15.8	0.0
162:15:00:00	41 17.8045	-71 55.9973	5.7	96.7	6.8	0.0
162:15:00:07	41 17.8043	-71 55.9845	5.8	91.2	6.8	0.0
162:15:05:00	41 17.9438	-71 56.2355	4.1	294.9	20.8	0.0
162:15:10:00	41 18.0581	-71 56.6789	4.1	283.4	8.5	0.0
162:15:15:00	41 18.1443	-71 57.1386	4.4	277.9	14.2	0.0
162:15:20:00	41 18.2087	-71 57.5985	4.0	282.9	19.3	0.0
162:15:25:00	41 18.3097	-71 58.0372	4.3	280.4	16.5	0.0
162:15:25:54	41 18.3547	-71 58.0209	3.9	88.2	15.8	0.0
162:15:30:00	41 18.3615	-71 57.4507	6.7	93.1	15.4	0.0

EOL 15

SOL 17

SOL 20

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162:15:40:00 41 18.3563 -71 56.0923   6.3   90.0     10.9    0.0
162:15:45:00 41 18.3572 -71 55.4004   5.5   86.9     11.3    0.0
162:15:50:00 41 18.3536 -71 54.7797   5.5   90.0     14.3    0.0
162:15:55:00 41 18.3505 -71 54.2498   6.1   94.0      7.5    0.0
162:15:58:18  41 18.3594 -71 53.8199   5.7   87.0      6.3    0.0
162:16:00:00 41 18.4144 -71 53.8322   3.9  250.0      4.1    0.0

162:16:00:30  41 18.4155 -71 53.8728   3.5  279.9      4.5    0.0
162:16:05:00 41 18.4293 -71 54.2517   3.8  270.0      5.7    0.0
162:16:10:00 41 18.4329 -71 54.6666   4.0  268.3     18.2    0.0
162:16:15:00 41 18.4372 -71 55.1077   3.8  263.7     22.8    0.0
162:16:20:00 41 18.4342 -71 55.4954   3.2  279.7     15.4    0.0
162:16:25:00 41 18.4323 -71 55.8435   3.3  265.8     13.7    0.0

162:16:30:00 41 18.4361 -71 56.2372   3.6  264.3     10.2    0.0

ERROR # 57  AT LINE  1081   16:30:52

162:16:35:00 41 18.4342 -71 56.6251   3.9  273.6     11.1    0.0
162:16:40:00 41 18.4346 -71 57.0387   3.9  273.5     14.4    0.0

ERROR # 57  AT LINE  1081   16:40:25


ERROR # 5  AT LINE  1081   16:42:34


ERROR # 5  AT LINE  1081   16:42:35


ERROR # 5  AT LINE  1081   16:42:37


ERROR # 5  AT LINE  1081   16:42:38


ERROR # 5  AT LINE  1081   16:42:39


ERROR # 5  AT LINE  1081   16:42:41


ERROR # 5  AT LINE  1081   16:42:42


162:16:45:00 41 18.4419 -71 57.4492   4.2  274.1      0.0    0.0
162:16:50:00 41 18.4314 -71 57.9295   4.2  270.8     14.0    0.0
162:16:51:06  41 18.4344 -71 58.0255   3.8  270.9     12.0    0.0
162:16:53:50  41 18.5141 -71 57.9430   1.8   93.8     10.2    0.0
162:16:55:00 41 18.5095 -71 57.8067   5.4   87.5     11.7    0.0
162:17:00:00 41 18.5119 -71 57.1854   5.9   95.2     10.3    0.0

ERROR # 5  AT LINE  1081   17:02:05


ERROR # 5  AT LINE  1081   17:02:06


ERROR # 5  AT LINE  1081   17:02:07


ERROR # 5  AT LINE  1081   17:02:09
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ERROR # 5 AT LINE 1081 17:02:10

ERROR # 5 AT LINE 1081 17:02:11

ERROR # 5 AT LINE 1081 17:02:13

ERROR # 5 AT LINE 1081 17:02:14

ERROR # 5 AT LINE 1081 17:02:15

ERROR # 5 AT LINE 1081 17:02:17

162:17:05:00	41 18.5186	-71 56.5067	6.2	85.6	0.0	0.0
162:17:10:00	41 18.5046	-71 55.8206	6.2	91.1	12.4	0.0
162:17:15:00	41 18.4985	-71 55.1519	5.8	90.0	17.1	0.0
162:17:20:00	41 18.5003	-71 54.5172	5.8	81.6	8.9	0.0
162:17:21:24	41 18.5099	-71 54.3445	4.0	93.4	5.0	0.0
162:17:22:48	41 18.5185	-71 54.3741	3.8	252.7	5.1	0.0
162:17:25:00	41 18.5101	-71 54.5626	4.1	282.6	8.4	0.0
162:17:26:50	41 18.5875	-71 54.6917	1.4	303.5	7.8	0.0
162:17:30:00	41 18.5866	-71 54.9833	3.9	268.2	13.9	0.0
162:17:34:48	41 18.5894	-71 55.4350	4.3	263.6	13.8	0.0
162:17:35:00	41 18.5878	-71 55.4538	4.5	263.9	13.3	0.0
162:17:40:00	41 18.5682	-71 55.8234	5.8	0.9	10.4	0.0
162:17:40:30	41 18.5954	-71 55.8429	3.4	275.1	9.9	0.0
162:17:45:00	41 18.5884	-71 56.2388	4.3	273.2	10.0	0.0
162:17:49:30	41 18.5867	-71 56.6477	4.0	261.4	9.4	0.0
162:17:50:00	41 18.5566	-71 56.6658	4.6	193.2	11.4	0.0
162:17:55:00	41 18.5950	-71 57.0765	4.5	278.4	4.8	0.0
162:17:56:30	41 18.5911	-71 57.2255	4.4	266.1	6.6	0.0
162:18:00:00	41 18.5859	-71 57.5907	4.7	269.3	9.1	0.0
162:18:04:30	41 18.5929	-71 58.0472	4.4	271.6	9.2	0.0
162:18:05:00	41 18.5929	-71 58.0945	4.3	269.2	8.6	0.0

~ SOL 23