

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hd	dr speed	dr cse	cmnt	prob. error (smajxsmi@az)	drift dist	drift time	no.	
#																			
23	01	1990	*0700		12 49.02	145 8.99	58.6	12.0	113	1.1	61	11.3	117	GF	0.00 0.00	0	0.1	0.2	54
23	01	1990	0700		12 49.0	145 9.0	58.6	11.9	119	1.1	61	11.4	123	c/cs					55
23	01	1990	0710		12 48.07	145 10.78	60.6	11.0	120	0.7	357	11.4	123	GF	0.00 0.00	0	0.2	0.2	56
23	01	1990	*0710		12 48.1	145 10.8	60.6	11.0	125	0.7	357	11.5	128	c/cs					57
23	01	1990	0710		12 48.1	145 10.8	60.6	11.0	125	0.7	357	11.5	128	GF	0.00 0.00	0	0.1	0.2	58
23	01	1990	*0720		12 47.01	145 12.32	62.4	10.2	123	1.6	341	11.5	128	GF	0.00 0.00	0	0.3	0.2	59
23	01	1990	*0730		12 46.08	145 13.78	64.1	11.4	123	1.0	30	11.5	128	GF	0.00 0.00	0	0.3	0.2	60
23	01	1990	0739		12 45.2	145 15.2	65.8	11.1	123	1.0	30	11.2	128	c/cs					61
23	01	1990	*0740		12 45.05	145 15.41	66.0	10.6	122	1.3	7	11.2	128	GF	0.00 0.00	0	0.2	0.2	62
23	01	1990	*0750		12 44.11	145 16.95	67.8	9.8	122	1.9	343	11.2	128	GF	0.00 0.00	0	0.2	0.2	63
23	01	1990	0759		12 43.3	145 18.2	69.3	9.8	123	1.9	343	11.3	129	c/cs					64
23	01	1990	*0800		12 43.25	145 18.37	69.4	11.1	124	1.0	28	11.3	129	GF	0.00 0.00	0	0.3	0.2	65
23	01	1990	0805		12 42.7	145 19.2	70.3	11.1	127	1.0	28	11.3	132	c/cs					66
23	01	1990	*0810		12 42.18	145 19.92	71.3	10.6	127	1.2	5	11.3	132	GF	0.00 0.00	0	0.2	0.2	67
23	01	1990	*0820		12 41.12	145 21.37	73.0	10.1	126	1.6	353	11.3	132	GF	0.00 0.00	0	0.2	0.2	68
23	01	1990	*0830		12 40.13	145 22.77	74.7	11.4	126	1.1	47	11.3	132	GF	0.00 0.00	0	0.3	0.2	69
23	01	1990	0835		12 39.6	145 23.6	75.7	11.5	126	1.1	47	11.4	132	c/cs					70
23	01	1990	0838		12 39.2	145 24.0	76.3	11.4	125	1.1	47	11.2	131	c/cs					71
23	01	1990	*0840		12 39.00	145 24.35	76.6	10.9	123	1.5	24	11.2	131	GF	0.00 0.00	0	0.2	0.2	72
23	01	1990	0843		12 38.7	145 24.8	77.2	11.0	121	1.5	24	11.3	129	c/cs					73
23	01	1990	*0850		12 38.03	145 25.94	78.5	10.2	122	1.8	357	11.3	129	GF	0.00 0.00	0	0.2	0.2	74
23	01	1990	0850		12 38.03	145 25.94	78.5	10.2	122	1.8	357	11.3	129	GF	0.00 0.00	0	0.3	0.2	75
23	01	1990	*0900		12 37.14	145 27.42	80.2	11.9	122	1.5	60	11.3	129	GF	0.00 0.00	0	0.3	0.2	76
23	01	1990	0902		12 36.9	145 27.8	80.6	11.9	124	1.5	60	11.3	131	c/cs					77
23	01	1990	0905		12 36.6	145 28.3	81.2	10.4	122	1.5	60	9.8	130	c/cs					78
23	01	1990	0907		12 36.4	145 28.6	81.5	12.0	124	1.5	60	11.4	131	c/cs					79
23	01	1990	*0910		12 36.07	145 29.07	82.1	10.9	125	1.2	11	11.4	131	GF	0.00 0.00	0	0.2	0.2	80
23	01	1990	*0920		12 35.02	145 30.58	83.9	10.2	126	1.5	344	11.4	131	GF	0.00 0.00	0	0.2	0.2	81
23	01	1990	*0930		12 34.02	145 31.98	85.6	11.5	127	0.9	44	11.4	131	GF	0.00 0.00	0	0.3	0.2	82
23	01	1990	0933		12 33.7	145 32.5	86.2	11.3	129	0.9	44	11.3	133	c/cs					83
23	01	1990	*0940		12 32.85	145 33.51	87.5	11.0	130	0.7	21	11.3	133	GF	0.00 0.00	0	0.1	0.2	84
23	01	1990	1003		12 30.2	145 36.9	91.7	11.1	130	0.7	21	11.4	133	c/cs					85
23	01	1990	1028		12 27.2	145 40.5	96.4	11.0	130	0.7	21	11.3	133	c/cs					86
23	01	1990	1055		12 24.1	145 44.4	101.3	11.1	126	0.7	21	11.4	130	c/cs					87
23	01	1990	*1100		12 23.50	145 45.20	102.3	11.0	128	0.6	356	11.4	130	GF	0.00 0.00	0	1.0	1.3	88
23	01	1990	1105		12 22.9	145 45.9	103.2	11.0	126	0.6	356	11.3	128	c/cs					89
23	01	1990	1124		12 20.9	145 48.8	106.6	9.8	125	0.6	356	10.2	128	c/cs					90
23	01	1990	1126		12 20.7	145 49.1	107.0	10.9	126	0.6	356	11.3	128	c/cs					91
23	01	1990	*1130		12 20.30	145 49.70	107.7	11.7	129	0.4	162	11.3	128	GF	0.00 0.00	0	0.3	0.5	92
23	01	1990	1145		12 18.5	145 52.0	110.6	11.7	129	0.4	162	11.4	128	c/cs					93
23	01	1990	1207		12 15.7	145 55.4	114.9	11.5	130	0.4	162	11.1	129	c/cs					94
23	01	1990	1235		12 12.3	145 59.6	120.3	11.4	129	0.4	162	11.1	128	c/cs					95
23	01	1990	1305		12 8.7	146 4.1	126.0	11.4	127	0.4	162	11.1	126	c/cs					96
23	01	1990	1327		12 6.1	146 7.6	130.2	11.5	127	0.4	162	11.1	126	c/cs					97
23	01	1990	1355		12 2.9	146 11.9	135.5	11.4	127	0.4	162	11.1	126	c/cs					98
23	01	1990	1404		12 1.8	146 13.3	137.3	11.3	127	0.4	162	11.0	126	c/cs					99
23	01	1990	1418		12 0.2	146 15.5	139.9	11.5	127	0.4	162	11.1	126	c/cs					100
23	01	1990	1448		11 56.8	146 20.1	145.6	11.5	127	0.4	162	11.2	126	c/cs					101
23	01	1990	1504		11 54.9	146 22.6	148.7	11.3	126	0.4	162	11.0	125	c/cs					102
23	01	1990	1534		11 51.5	146 27.3	154.4	11.4	125	0.4	162	11.1	124	c/cs					103
23	01	1990	1602		11 48.5	146 31.7	159.7	11.5	126	0.4	162	11.1	125	c/cs					104
23	01	1990	1620		11 46.4	146 34.6	163.2	11.5	127	0.4	162	11.1	126	c/cs					105
23	01	1990	1629		11 45.4	146 36.0	164.9	11.6	127	0.4	162	11.3	126	c/cs					106
23	01	1990	1645		11 43.5	146 38.5	168.0	11.5	127	0.4	162	11.2	126	c/cs					107
23	01	1990	1708		11 40.8	146 42.1	172.4	11.4	127	0.4	162	11.0	126	c/cs					108

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed cse	drift speed had	dr speed cse	cmnt	prob. error (smajxsmi@az)	drift dist	time	no.
#															
23	01	1990	1724		11 39.0	146 44.6	175.4	11.5 127	0.4 162	11.1 126	c/cs				107
23	01	1990	1746		11 36.4	146 48.0	179.7	11.4 126	0.4 162	11.1 125	c/cs				108
23	01	1990	1805		11 34.3	146 51.0	183.3	11.3 124	0.4 162	11.0 123	c/cs				109
23	01	1990	1825		11 32.2	146 54.1	187.0	11.3 124	0.4 162	10.9 123	c/cs				110
23	01	1990	1855		11 29.0	146 58.9	192.7	11.3 125	0.4 162	11.0 124	c/cs				111
23	01	1990	*1900		11 28.43	146 59.68	193.6	13.2 127	2.3 144	11.0 124	GF	0.00 0.00	0	3.3 7.5	112
23	01	1990	1901		11 28.3	146 59.9	193.8	13.3 127	2.3 144	11.1 123	c/cs				113
23	01	1990	*1905		11 27.77	147 0.58	194.7	11.5 126	0.8 183	11.1 123	GF	0.00 0.00	0	0.2 0.1	114
23	01	1990	*1910		11 27.20	147 1.37	195.7	11.6 127	0.9 181	11.1 123	GF	0.00 0.00	0	0.1 0.1	115
23	01	1990	*1915		11 26.62	147 2.16	196.7	11.6 127	0.9 181	11.1 123	GF	0.00 0.00	0	0.1 0.1	116
23	01	1990	*1920		11 26.04	147 2.95	197.6	11.6 127	0.9 182	11.1 123	GF	0.00 0.00	0	0.1 0.1	117
23	01	1990	*1925		11 25.46	147 3.74	198.6	10.4 126	1.0 266	11.1 123	GF	0.00 0.00	0	0.1 0.1	118
23	01	1990	*1930		11 24.95	147 4.45	199.5	13.0 126	2.0 144	11.1 123	GF	0.00 0.00	0	0.1 0.1	119
23	01	1990	1931		11 24.8	147 4.6	199.7	13.0 125	2.0 144	11.1 122	c/cs				120
23	01	1990	*1935		11 24.32	147 5.35	200.5	11.7 124	0.7 165	11.1 122	GF	0.00 0.00	0	0.2 0.1	121
23	01	1990	*1940		11 23.77	147 6.17	201.5	11.6 125	0.7 173	11.1 122	GF	0.00 0.00	0	0.1 0.1	122
23	01	1990	*1945		11 23.22	147 6.98	202.5	11.9 125	0.9 158	11.1 122	GF	0.00 0.00	0	0.1 0.1	123
23	01	1990	*1950		11 22.66	147 7.81	203.5	11.8 124	0.8 156	11.1 122	GF	0.00 0.00	0	0.1 0.1	124
23	01	1990	*1955		11 22.11	147 8.64	204.4	10.2 125	1.1 271	11.1 122	GF	0.00 0.00	0	0.1 0.1	125
23	01	1990	*2000		11 21.62	147 9.35	205.3	13.2 124	2.1 133	11.1 122	GF	0.00 0.00	0	0.1 0.1	126
23	01	1990	2001		11 21.5	147 9.5	205.5	13.2 124	2.1 133	11.1 122	c/cs				127
23	01	1990	*2005		11 21.01	147 10.28	206.4	11.8 125	0.9 157	11.1 122	GF	0.00 0.00	0	0.2 0.1	128
23	01	1990	*2010		11 20.45	147 11.11	207.4	11.7 124	0.7 149	11.1 122	GF	0.00 0.00	0	0.1 0.1	129
23	01	1990	*2015		11 19.91	147 11.94	208.4	11.4 123	0.4 155	11.1 122	GF	0.00 0.00	0	0.1 0.1	130
23	01	1990	2019		11 19.5	147 12.6	209.1	11.3 124	0.4 155	11.0 123	c/cs				131
23	01	1990	*2020		11 19.39	147 12.75	209.3	10.9 124	0.2 248	11.0 123	GF	0.00 0.00	0	0.0 0.1	132
23	01	1990	*2030		11 18.38	147 14.29	211.1	12.4 123	1.4 123	11.0 123	GF	0.00 0.00	0	0.0 0.2	133
23	01	1990	*2040		11 17.25	147 16.06	213.2	11.7 124	0.7 132	11.0 123	GF	0.00 0.00	0	0.2 0.2	134
23	01	1990	2044		11 16.8	147 16.7	214.0	11.9 124	0.7 132	11.2 123	c/cs				135
23	01	1990	2047		11 16.5	147 17.2	214.6	11.5 124	0.7 132	10.8 123	c/cs				136
23	01	1990	*2050		11 16.17	147 17.72	215.2	10.8 124	0.1 187	10.8 123	GF	0.00 0.00	0	0.1 0.2	137
23	01	1990	2057		11 15.5	147 18.8	216.4	11.1 123	0.1 187	11.0 122	c/cs				138
23	01	1990	*2100		11 15.17	147 19.27	217.0	12.4 124	1.4 137	11.0 122	GF	0.00 0.00	0	0.0 0.2	139
23	01	1990	*2110		11 14.03	147 21.02	219.0	11.7 124	0.8 151	11.0 122	GF	0.00 0.00	0	0.2 0.2	140
23	01	1990	2117		11 13.3	147 22.2	220.4	11.9 126	0.8 151	11.2 124	c/cs				141
23	01	1990	*2120		11 12.92	147 22.67	221.0	11.0 125	0.3 246	11.2 124	GF	0.00 0.00	0	0.1 0.2	142
23	01	1990	*2130		11 11.86	147 24.20	222.8	12.4 126	1.3 142	11.2 124	GF	0.00 0.00	0	0.0 0.2	143
23	01	1990	2132		11 11.6	147 24.5	223.2	12.4 126	1.3 142	11.2 124	c/cs				144
23	01	1990	2138		11 10.9	147 25.6	224.5	12.4 126	1.3 142	11.1 124	c/cs				145
23	01	1990	*2140		11 10.65	147 25.91	224.9	11.6 126	0.6 168	11.1 124	GF	0.00 0.00	0	0.2 0.2	146
23	01	1990	*2150		11 9.52	147 27.50	226.8	10.9 126	0.4 255	11.1 124	GF	0.00 0.00	0	0.1 0.2	147
23	01	1990	2150		11 9.5	147 27.5	226.8	10.9 126	0.4 255	11.2 124	c/cs				148
23	01	1990	2158		11 8.7	147 28.7	228.3	10.8 126	0.4 255	11.1 124	c/cs				149
23	01	1990	*2200		11 8.46	147 29.00	228.6	11.8 127	0.9 166	11.1 124	GF	0.00 0.00	0	0.1 0.2	150
23	01	1990	2222		11 5.9	147 32.5	232.9	11.8 127	0.9 166	11.2 124	c/cs				151
23	01	1990	*2230		11 4.93	147 33.80	234.5	11.4 127	0.7 196	11.2 124	GF	0.00 0.00	0	0.4 0.5	152
23	01	1990	*2240		11 3.78	147 35.34	236.4	11.4 127	0.7 193	11.2 124	GF	0.00 0.00	0	0.1 0.2	153
23	01	1990	2244		11 3.3	147 36.0	237.2	11.4 126	0.7 193	11.1 123	c/cs				154
23	01	1990	2248		11 2.9	147 36.6	237.9	11.4 126	0.7 193	11.2 123	c/cs				155
23	01	1990	*2250		11 2.64	147 36.89	238.3	10.8 126	0.7 251	11.2 123	GF	0.00 0.00	0	0.1 0.2	156
23	01	1990	*2300		11 1.59	147 38.37	240.1	12.3 124	1.1 134	11.2 123	GF	0.00 0.00	0	0.1 0.2	157
23	01	1990	2306		11 0.9	147 39.4	241.3	12.2 123	1.1 134	11.1 122	c/cs				158
23	01	1990	*2310		11 0.46	147 40.10	242.2	11.6 126	0.9 182	11.1 122	GF	0.00 0.00	0	0.2 0.2	159

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	cse	cmnt	prob. error (sma jx smin @az)	drift dist	drift time	no.	
#																			
24	01	1990	*0440		10 23.14	148 31.38	304.9	11.1	123	0.9	209	11.0	119	GF	0.00 0.00	0	0.2	0.2	213
24	01	1990	0442		10 22.9	148 31.7	305.3	11.1	123	0.9	209	11.1	119	c/cs					214
24	01	1990	*0450		10 22.12	148 32.95	306.7	10.5	124	1.2	241	11.1	119	GF	0.00 0.00	0	0.1	0.2	215
24	01	1990	*0500		10 21.13	148 34.42	308.5	12.0	124	1.5	171	11.1	119	GF	0.00 0.00	0	0.2	0.2	216
24	01	1990	0506		10 20.4	148 35.4	309.7	12.1	126	1.5	171	11.1	121	c/cs					217
24	01	1990	*0510		10 19.97	148 36.09	310.5	11.3	126	0.9	202	11.1	121	GF	0.00 0.00	0	0.2	0.2	218
24	01	1990	0520		10 18.9	148 37.6	312.4	11.2	125	0.9	202	11.0	120	c/cs					219
24	01	1990	*0525		10 18.34	148 38.42	313.3	11.3	125	1.1	195	11.0	120	GF	0.00 0.00	0	0.2	0.2	220
24	01	1990	*0535		10 17.25	148 39.99	315.2	11.4	124	0.9	186	11.0	120	GF	0.00 0.00	0	0.2	0.2	221
24	01	1990	0538		10 16.9	148 40.5	315.8	11.5	125	0.9	186	11.1	121	c/cs					222
24	01	1990	*0545		10 16.16	148 41.59	317.1	11.1	125	0.9	215	11.1	121	GF	0.00 0.00	0	0.1	0.2	223
24	01	1990	0551		10 15.5	148 42.5	318.2	10.2	127	0.9	215	10.2	122	c/cs					224
24	01	1990	0553		10 15.3	148 42.8	318.6	10.9	125	0.9	215	10.9	120	c/cs					225
24	01	1990	*0600		10 14.59	148 43.85	319.9	12.0	125	1.4	168	10.9	120	GF	0.00 0.00	0	0.2	0.2	226
24	01	1990	0608		10 13.7	148 45.2	321.4	11.9	124	1.4	168	10.9	119	c/cs					227
24	01	1990	*0610		10 13.45	148 45.51	321.8	11.4	124	1.1	185	10.9	119	GF	0.00 0.00	0	0.2	0.2	228
24	01	1990	*0620		10 12.38	148 47.11	323.7	10.6	125	1.2	229	10.9	119	GF	0.00 0.00	0	0.2	0.2	229
24	01	1990	*0630		10 11.37	148 48.58	325.5	11.8	125	1.4	175	10.9	119	GF	0.00 0.00	0	0.2	0.2	230
24	01	1990	0638		10 10.5	148 49.9	327.1	11.8	125	1.4	175	10.9	119	c/cs					231
24	01	1990	*0640		10 10.25	148 50.22	327.5	11.1	125	1.1	202	10.9	119	GF	0.00 0.00	0	0.2	0.2	232
24	01	1990	*0650		10 9.20	148 51.77	329.3	10.3	124	1.1	243	10.9	119	GF	0.00 0.00	0	0.2	0.2	233
24	01	1990	*0700		10 8.23	148 53.22	331.1	11.9	124	1.4	168	10.9	119	GF	0.00 0.00	0	0.2	0.2	234
24	01	1990	0703		10 7.9	148 53.7	331.7	11.8	124	1.4	168	10.9	119	c/cs					235
24	01	1990	*0710		10 7.12	148 54.88	333.0	11.2	124	0.9	192	10.9	119	GF	0.00 0.00	0	0.2	0.2	236
24	01	1990	*0720		10 6.09	148 56.46	334.9	10.3	123	1.0	245	10.9	119	GF	0.00 0.00	0	0.2	0.2	237
24	01	1990	*0730		10 5.14	148 57.92	336.6	11.9	123	1.2	158	10.9	119	GF	0.00 0.00	0	0.2	0.2	238
24	01	1990	0731		10 5.0	148 58.1	336.8	11.8	124	1.2	158	10.8	120	c/cs					239
24	01	1990	*0740		10 4.05	148 59.59	338.6	11.3	123	0.7	171	10.8	120	GF	0.00 0.00	0	0.2	0.2	240
24	01	1990	0749		10 3.1	149 1.0	340.3	11.4	122	0.7	171	10.9	119	c/cs					241
24	01	1990	*0750		10 3.04	149 1.20	340.5	10.4	123	0.9	244	10.9	119	GF	0.00 0.00	0	0.1	0.2	242
24	01	1990	*0800		10 2.09	149 2.68	342.2	12.1	122	1.4	151	10.9	119	GF	0.00 0.00	0	0.2	0.2	243
24	01	1990	0807		10 1.3	149 3.9	343.6	12.3	122	1.4	151	11.1	119	c/cs					244
24	01	1990	*0810		10 1.00	149 4.42	344.2	11.4	122	0.7	184	11.1	119	GF	0.00 0.00	0	0.2	0.2	245
24	01	1990	*0820		9 59.99	149 6.06	346.1	10.7	121	0.6	257	11.1	119	GF	0.00 0.00	0	0.1	0.2	246
24	01	1990	0821		9 59.9	149 6.2	346.3	10.5	122	0.6	257	11.0	120	c/cs					247
24	01	1990	*0830		9 59.05	149 7.57	347.9	12.0	123	1.2	151	11.0	120	GF	0.00 0.00	0	0.1	0.2	248
24	01	1990	0836		9 58.4	149 8.6	349.1	11.9	125	1.2	151	10.9	122	c/cs					249
24	01	1990	*0840		9 57.94	149 9.26	349.9	11.3	125	0.6	175	10.9	122	GF	0.00 0.00	0	0.2	0.2	250
24	01	1990	0841		9 57.8	149 9.4	350.1	11.3	125	0.6	175	11.0	122	c/cs					251
24	01	1990	*0850		9 56.87	149 10.84	351.8	10.7	125	0.6	241	11.0	122	GF	0.00 0.00	0	0.1	0.2	252
24	01	1990	0855		9 56.4	149 11.6	352.7	10.8	125	0.6	241	11.0	122	c/cs					253
24	01	1990	*0900		9 55.85	149 12.33	353.6	12.3	125	1.4	151	11.0	122	GF	0.00 0.00	0	0.1	0.2	254
24	01	1990	0909		9 54.8	149 13.9	355.4	12.2	125	1.4	151	11.0	122	c/cs					255
24	01	1990	*0910		9 54.67	149 14.03	355.6	11.6	126	0.9	175	11.0	122	GF	0.00 0.00	0	0.2	0.2	256
24	01	1990	0920		9 53.55	149 15.62	357.6	10.8	125	0.6	235	11.0	122	GF	0.00 0.00	0	0.2	0.2	257
24	01	1990	*0930		9 52.52	149 17.11	359.4	12.3	125	1.4	145	11.0	122	GF	0.00 0.00	0	0.1	0.2	258
24	01	1990	0936		9 51.8	149 18.1	360.6	12.2	125	1.4	145	10.9	122	c/cs					259
24	01	1990	*0940		9 51.36	149 18.82	361.4	11.4	125	0.8	170	10.9	122	GF	0.00 0.00	0	0.2	0.2	260
24	01	1990	0950		9 50.27	149 20.40	363.3	10.4	125	0.7	253	10.9	122	GF	0.00 0.00	0	0.1	0.2	261
24	01	1990	*0952		9 50.1	149 20.7	363.6	10.2	126	0.7	253	10.6	123	c/cs					262
24	01	1990	1000		9 49.27	149 21.80	365.0	11.8	127	1.4	158	10.6	123	GF	0.00 0.00	0	0.1	0.2	263
24	01	1990	1006		9 48.6	149 22.8	366.2	12.0	128	1.4	158	10.8	124	c/cs					264
24	01	1990	*1010		9 48.07	149 23.40	367.0	11.4	128	1.0	180	10.8	124	GF	0.00 0.00	0	0.2	0.2	265

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmineaz)	drift dist	time	no.
24	01	1990	*1020		9 46.90	149 24.91	368.9	11.4	127	0.9	169	10.8	124	GF	0.00 0.00 0	0.2	0.2	266
24	01	1990	1021		9 46.8	149 25.1	369.1	11.3	127	0.9	169	10.6	124	c/cs				267
24	01	1990	1038		9 44.8	149 27.6	372.3	11.5	125	0.9	169	10.8	122	c/cs				268
24	01	1990	1055		9 43.0	149 30.3	375.5	11.4	126	0.9	169	10.7	123	c/cs				269
24	01	1990	1102		9 42.2	149 31.4	376.9	10.8	126	0.9	169	10.1	122	c/cs				270
24	01	1990	1106		9 41.7	149 32.0	377.6	11.5	126	0.9	169	10.8	123	c/cs				271
24	01	1990	1136		9 38.3	149 36.7	383.3	11.5	126	0.9	169	10.8	123	c/cs				272
24	01	1990	1154		9 36.3	149 39.5	386.8	11.4	125	0.9	169	10.7	122	c/cs				273
24	01	1990	1204		9 35.2	149 41.1	388.7	11.3	125	0.9	169	10.6	122	c/cs				274
24	01	1990	*1213		9 34.20	149 42.50	390.4	11.1	126	0.9	184	10.6	122	SF	0.00 0.00 0	1.8	1.9	275
24	01	1990	1227		9 32.7	149 44.6	393.0	11.3	126	0.9	184	10.8	122	c/cs				276
24	01	1990	1247		9 30.4	149 47.7	396.7	11.1	126	0.9	184	10.6	122	c/cs				277
24	01	1990	1317		9 27.2	149 52.2	402.3	10.9	127	0.9	184	10.4	123	c/cs				278
24	01	1990	1319		9 27.0	149 52.5	402.6	11.1	126	0.9	184	10.7	122	c/cs				279
24	01	1990	1319		9 27.0	149 52.5	402.6	11.1	126	0.9	184	10.6	123	c/cs				280
24	01	1990	1336		9 25.1	149 55.1	405.8	11.1	127	0.9	184	10.6	123	c/cs				281
24	01	1990	1359		9 22.5	149 58.5	410.0	11.2	126	0.9	184	10.7	122	c/cs				282
24	01	1990	*1402		9 22.20	149 59.00	410.6	11.4	126	1.0	175	10.7	122	SF	0.00 0.00 0	1.7	1.8	283
24	01	1990	1429		9 19.2	150 3.2	415.7	11.1	125	1.0	175	10.5	121	c/cs				284
24	01	1990	1437		9 18.3	150 4.4	417.2	11.2	126	1.0	175	10.6	122	c/cs				285
24	01	1990	1502		9 15.6	150 8.2	421.9	11.0	126	1.0	175	10.4	122	c/cs				286
24	01	1990	1508		9 14.9	150 9.1	423.0	11.2	126	1.0	175	10.5	122	c/cs				287
24	01	1990	1530		9 12.5	150 12.5	427.1	11.2	126	1.0	175	10.6	122	c/cs				288
24	01	1990	1544		9 11.0	150 14.6	429.7	11.0	126	1.0	175	10.3	122	c/cs				289
24	01	1990	1553		9 10.0	150 16.0	431.3	11.1	126	1.0	175	10.4	122	c/cs				290
24	01	1990	1607		9 8.5	150 18.1	433.9	11.2	126	1.0	175	10.5	122	c/cs				291
24	01	1990	1624		9 6.6	150 20.7	437.1	11.1	125	1.0	175	10.5	121	c/cs				292
24	01	1990	1638		9 5.1	150 22.8	439.7	11.3	125	1.0	175	10.7	121	c/cs				293
24	01	1990	1650		9 3.8	150 24.7	441.9	11.4	125	1.0	175	10.8	121	c/cs				294
24	01	1990	1657		9 3.0	150 25.8	443.3	11.3	126	1.0	175	10.7	122	c/cs				295
24	01	1990	1727		8 59.7	150 30.4	448.9	11.4	126	1.0	175	10.8	122	c/cs				296
24	01	1990	1732		8 59.1	150 31.2	449.9	11.3	125	1.0	175	10.7	121	c/cs				297
24	01	1990	1755		8 56.6	150 34.8	454.2	11.2	126	1.0	175	10.5	122	c/cs				298
24	01	1990	1800		8 56.1	150 35.6	455.2	11.2	126	1.0	175	10.5	122	c/cs				299
24	01	1990	1830		8 52.8	150 40.1	460.8	11.3	126	1.0	175	10.6	122	c/cs				300
24	01	1990	1842		8 51.4	150 42.0	463.0	11.5	128	1.0	175	10.8	124	c/cs				301
24	01	1990	*1900		8 49.31	150 44.74	466.5	11.4	129	1.1	181	10.8	124	GF	0.00 0.00 0	5.1	5.0	302
24	01	1990	1902		8 49.1	150 45.0	466.8	11.6	131	1.1	181	10.9	127	c/cs				303
24	01	1990	*1905		8 48.69	150 45.48	467.4	11.5	131	1.0	181	10.9	127	GF	0.00 0.00 0	0.1	0.1	304
24	01	1990	*1910		8 48.06	150 46.21	468.4	11.6	132	1.1	181	10.9	127	GF	0.00 0.00 0	0.1	0.1	305
24	01	1990	*1915		8 47.42	150 46.94	469.3	11.8	131	1.2	173	10.9	127	GF	0.00 0.00 0	0.1	0.1	306
24	01	1990	1916		8 47.3	150 47.1	469.5	11.6	132	1.2	173	10.7	128	c/cs				307
24	01	1990	*1920		8 46.77	150 47.67	470.3	10.6	133	0.9	227	10.7	128	GF	0.00 0.00 0	0.1	0.1	308
24	01	1990	1928		8 45.8	150 48.7	471.7	10.7	133	0.9	227	10.8	128	c/cs				309
24	01	1990	*1930		8 45.57	150 48.99	472.1	12.1	133	1.6	165	10.8	128	GF	0.00 0.00 0	0.1	0.2	310
24	01	1990	*1940		8 44.21	150 50.49	474.1	11.4	133	1.1	186	10.8	128	GF	0.00 0.00 0	0.3	0.2	311
24	01	1990	*1950		8 42.93	150 51.90	476.0	11.6	132	1.2	172	10.8	128	GF	0.00 0.00 0	0.2	0.2	312
24	01	1990	*1955		8 42.28	150 52.63	477.0	11.5	133	1.2	184	10.8	128	GF	0.00 0.00 0	0.1	0.1	313
24	01	1990	1956		8 42.2	150 52.8	477.2	11.6	132	1.2	184	10.9	127	c/cs				314
24	01	1990	*2005		8 40.99	150 54.08	478.9	11.5	131	1.0	183	10.9	127	GF	0.00 0.00 0	0.2	0.2	315
24	01	1990	*2010		8 40.36	150 54.81	479.9	11.3	131	0.8	192	10.9	127	GF	0.00 0.00 0	0.1	0.1	316
24	01	1990	*2015		8 39.75	150 55.53	480.8	11.4	130	0.8	182	10.9	127	GF	0.00 0.00 0	0.1	0.1	317
24	01	1990	2019		8 39.3	150 56.1	481.5	11.2	130	0.8	182	10.8	127	c/cs				318
24	01	1990	*2020		8 39.14	150 56.26	481.7	10.4	130	0.7	245	10.8	127	GF	0.00 0.00 0	0.1	0.1	319

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	dr hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
																			319
24	01	1990		2029	8 38.1	150 57.5	483.3	10.4	131	0.7	245	10.7	128	c/cs					320
24	01	1990		*2030	8 38.01	150 57.60	483.5	11.6	131	1.0	166	10.7	128	GF	0.00 0.00	0	0.1	0.2	321
24	01	1990		*2045	8 36.11	150 59.80	486.4	11.0	131	0.6	196	10.7	128	GF	0.00 0.00	0	0.3	0.2	322
24	01	1990		2048	8 35.8	151 0.2	486.9	10.8	130	0.6	196	10.6	127	c/cs					323
24	01	1990		*2050	8 35.52	151 0.50	487.3	10.9	130	0.7	191	10.6	127	GF	0.00 0.00	0	0.0	0.1	324
24	01	1990		2054	8 35.0	151 1.1	488.0	10.8	130	0.7	191	10.5	127	c/cs					325
24	01	1990		*2055	8 34.93	151 1.20	488.2	10.9	131	0.9	187	10.5	127	GF	0.00 0.00	0	0.1	0.1	326
24	01	1990		*2105	8 33.73	151 2.59	490.0	11.3	131	1.2	173	10.5	127	GF	0.00 0.00	0	0.2	0.2	327
24	01	1990		2108	8 33.4	151 3.0	490.6	12.0	132	1.2	173	11.1	128	c/cs					328
24	01	1990		*2110	8 33.09	151 3.32	491.0	11.8	131	1.0	171	11.1	128	GF	0.00 0.00	0	0.1	0.1	329
24	01	1990		*2115	8 32.44	151 4.07	492.0	11.8	131	0.9	170	11.1	128	GF	0.00 0.00	0	0.1	0.1	330
24	01	1990		*2120	8 31.80	151 4.82	492.9	11.7	130	0.7	169	11.1	128	GF	0.00 0.00	0	0.1	0.1	331
24	01	1990		*2125	8 31.17	151 5.57	493.9	9.8	131	1.4	289	11.1	128	GF	0.00 0.00	0	0.1	0.1	332
24	01	1990		2127	8 31.0	151 5.8	494.2	9.4	131	1.4	289	10.7	128	c/cs					333
24	01	1990		*2130	8 30.65	151 6.18	494.7	12.3	131	1.8	152	10.7	128	GF	0.00 0.00	0	0.1	0.1	334
24	01	1990		*2135	8 29.97	151 6.96	495.7	11.4	131	1.0	172	10.7	128	GF	0.00 0.00	0	0.1	0.1	335
24	01	1990		*2140	8 29.34	151 7.68	496.7	11.4	131	0.9	171	10.7	128	GF	0.00 0.00	0	0.1	0.1	336
24	01	1990		2141	8 29.2	151 7.8	496.9	11.5	130	0.9	171	10.9	127	c/cs					337
24	01	1990		*2145	8 28.72	151 8.42	497.6	11.4	131	0.9	182	10.9	127	GF	0.00 0.00	0	0.1	0.1	338
24	01	1990		*2150	8 28.10	151 9.15	498.6	11.4	130	0.8	173	10.9	127	GF	0.00 0.00	0	0.1	0.1	339
24	01	1990		*2155	8 27.49	151 9.89	499.6	10.1	131	1.0	267	10.9	127	GF	0.00 0.00	0	0.1	0.1	340
24	01	1990		*2200	8 26.94	151 10.54	500.4	12.0	130	1.2	154	10.9	127	GF	0.00 0.00	0	0.1	0.1	341
24	01	1990		2203	8 26.6	151 11.0	501.0	12.2	131	1.2	154	11.1	128	c/cs					342
24	01	1990		*2210	8 25.63	151 12.10	502.4	11.7	130	0.8	167	11.1	128	GF	0.00 0.00	0	0.2	0.2	343
24	01	1990		*2215	8 25.00	151 12.85	503.4	11.8	131	1.0	170	11.1	128	GF	0.00 0.00	0	0.1	0.1	344
24	01	1990		*2220	8 24.35	151 13.60	504.4	11.8	132	1.1	178	11.1	128	GF	0.00 0.00	0	0.1	0.1	345
24	01	1990		2220	8 24.3	151 13.6	504.4	11.7	132	1.1	178	11.0	128	c/cs					346
24	01	1990		*2235	8 22.38	151 15.80	507.3	11.5	133	1.1	193	11.0	128	GF	0.00 0.00	0	0.3	0.2	347
24	01	1990		*2240	8 21.73	151 16.51	508.3	11.7	132	1.2	179	11.0	128	GF	0.00 0.00	0	0.1	0.1	348
24	01	1990		*2245	8 21.07	151 17.24	509.3	11.3	133	1.0	201	11.0	128	GF	0.00 0.00	0	0.1	0.1	349
24	01	1990		*2250	8 20.43	151 17.94	510.2	11.5	132	1.0	190	11.0	128	GF	0.00 0.00	0	0.1	0.1	350
24	01	1990		2250	8 20.4	151 17.9	510.2	11.4	132	1.0	190	10.9	128	c/cs					351
24	01	1990		*2255	8 19.79	151 18.65	511.1	10.1	131	1.0	276	10.9	128	GF	0.00 0.00	0	0.1	0.1	352
24	01	1990		*2300	8 19.24	151 19.29	512.0	12.3	131	1.5	150	10.9	128	GF	0.00 0.00	0	0.1	0.1	353
24	01	1990		2300	8 19.2	151 19.3	512.0	12.2	131	1.5	150	10.8	128	c/cs					354
24	01	1990		*2310	8 17.91	151 20.85	514.0	11.3	132	0.9	185	10.8	128	GF	0.00 0.00	0	0.3	0.2	355
24	01	1990		*2315	8 17.28	151 21.56	515.0	11.5	132	1.0	178	10.8	128	GF	0.00 0.00	0	0.1	0.1	356
24	01	1990		2317	8 17.0	151 21.8	515.3	11.5	132	1.0	178	10.8	128	c/cs					357
24	01	1990		*2320	8 16.64	151 22.28	515.9	10.6	133	0.9	231	10.8	128	GF	0.00 0.00	0	0.1	0.1	358
24	01	1990		*2330	8 15.44	151 23.60	517.7	12.9	132	2.2	149	10.8	128	GF	0.00 0.00	0	0.1	0.2	359
24	01	1990		2334	8 14.9	151 24.2	518.6	12.9	132	2.2	149	10.8	128	c/cs					360
24	01	1990		*2335	8 14.73	151 24.41	518.8	11.5	133	1.1	184	10.8	128	GF	0.00 0.00	0	0.2	0.1	361
24	01	1990		*2340	8 14.08	151 25.12	519.7	11.6	132	1.1	179	10.8	128	GF	0.00 0.00	0	0.1	0.1	362
24	01	1990		*2345	8 13.43	151 25.84	520.7	11.6	133	1.3	184	10.8	128	GF	0.00 0.00	0	0.1	0.1	363
24	01	1990		*2350	8 12.77	151 26.55	521.7	10.8	134	1.0	221	10.8	128	GF	0.00 0.00	0	0.1	0.1	364
25	01	1990		*0000	8 11.53	151 27.87	523.5	12.1	134	1.7	173	10.8	128	GF	0.00 0.00	0	0.2	0.2	365
25	01	1990		0000	8 11.5	151 27.9	523.5	12.1	134	1.7	173	10.8	128	c/cs					366
25	01	1990		0004	8 11.0	151 28.5	524.3	12.3	134	1.7	173	11.0	128	c/cs					367
25	01	1990		0006	8 10.7	151 28.8	524.7	12.0	134	1.7	173	10.7	128	c/cs					368
25	01	1990		*0010	8 10.13	151 29.34	525.5	11.5	135	1.6	194	10.7	128	GF	0.00 0.00	0	0.3	0.2	369
25	01	1990		*0015	8 9.45	151 30.02	526.4	11.7	133	1.4	177	10.7	128	GF	0.00 0.00	0	0.1	0.1	370
25	01	1990		*0020	8 8.78	151 30.74	527.4	11.5	135	1.6	194	10.7	128	GF	0.00 0.00	0	0.1	0.1	371
25	01	1990		*0025	8 8.10	151 31.42	528.4	11.7	134	1.5	180	10.7	128	GF	0.00 0.00	0	0.1	0.1	371

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed cse	drift speed hed	dr speed cse	cmnt	prob. error (smajxsmineaz)	drift dist time	no.
														372
														373
25	01	1990		0026	8 8.0	151 31.6	528.6	11.7 134	1.5 180	10.8 128	c/cs			374
25	01	1990		0030	8 7.4	151 32.1	529.3	11.9 134	1.5 180	10.9 128	c/cs			375
25	01	1990		*0035	8 6.74	151 32.86	530.3	11.9 134	1.5 183	10.9 128	GF	0.00 0.00	0 0.2	0.2 376
25	01	1990		*0040	8 6.05	151 33.58	531.3	11.8 134	1.6 186	10.9 128	GF	0.00 0.00	0 0.1	0.1 377
25	01	1990		*0045	8 5.36	151 34.29	532.3	11.8 135	1.7 190	10.9 128	GF	0.00 0.00	0 0.1	0.1 378
25	01	1990		*0050	8 4.66	151 34.99	533.3	11.1 135	1.4 214	10.9 128	GF	0.00 0.00	0 0.1	0.1 379
25	01	1990		0053	8 4.3	151 35.4	533.9	10.9 134	1.4 214	10.8 127	c/cs			380
25	01	1990		*0100	8 3.38	151 36.31	535.1	12.5 133	2.2 165	10.8 127	GF	0.00 0.00	0 0.2	0.2 381
25	01	1990		*0110	8 1.95	151 37.85	537.2	11.4 134	1.5 195	10.8 127	GF	0.00 0.00	0 0.4	0.2 382
25	01	1990		*0115	8 1.29	151 38.54	538.2	11.8 135	1.9 189	10.8 127	GF	0.00 0.00	0 0.1	0.1 383
25	01	1990		0115	8 1.3	151 38.5	538.2	11.7 134	1.9 189	10.7 126	c/cs			384
25	01	1990		*0120	8 0.61	151 39.24	539.1	11.7 131	1.5 175	10.7 126	GF	0.00 0.00	0 0.2	0.1 385
25	01	1990		*0135	7 58.68	151 41.45	542.1	11.7 131	1.4 173	10.7 126	GF	0.00 0.00	0 0.4	0.2 386
25	01	1990		*0140	7 58.04	151 42.19	543.0	11.9 131	1.6 165	10.7 126	GF	0.00 0.00	0 0.1	0.1 387
25	01	1990		0143	7 57.7	151 42.6	543.6	11.9 131	1.6 165	10.7 126	c/cs			388
25	01	1990		*0145	7 57.39	151 42.95	544.0	11.5 131	1.3 178	10.7 126	GF	0.00 0.00	0 0.1	0.1 389
25	01	1990		*0150	7 56.76	151 43.68	545.0	11.6 131	1.3 173	10.7 126	GF	0.00 0.00	0 0.1	0.1 390
25	01	1990		*0155	7 56.13	151 44.42	545.9	11.5 130	1.2 173	10.7 126	GF	0.00 0.00	0 0.1	0.1 391
25	01	1990		0200	7 55.5	151 45.2	546.9	11.4 130	1.2 173	10.6 125	c/cs			392
25	01	1990		*0205	7 54.90	151 45.90	547.9	11.5 131	1.5 181	10.6 125	GF	0.00 0.00	0 0.2	0.2 393
25	01	1990		0206	7 54.8	151 46.0	548.1	11.5 131	1.5 181	10.6 125	c/cs			394
25	01	1990		*0210	7 54.27	151 46.63	548.8	11.4 131	1.4 181	10.6 125	GF	0.00 0.00	0 0.1	0.1 395
25	01	1990		*0215	7 53.65	151 47.36	549.8	11.4 130	1.2 176	10.6 125	GF	0.00 0.00	0 0.1	0.1 396
25	01	1990		*0220	7 53.04	151 48.10	550.7	10.6 130	1.0 216	10.6 125	GF	0.00 0.00	0 0.1	0.1 397
25	01	1990		0221	7 52.9	151 48.2	550.9	10.6 130	1.0 216	10.6 125	c/cs			398
25	01	1990		*0230	7 51.89	151 49.46	552.5	12.6 129	2.1 150	10.6 125	GF	0.00 0.00	0 0.2	0.1 399
25	01	1990		*0235	7 51.23	151 50.28	553.5	11.0 128	0.7 182	10.6 125	GF	0.00 0.00	0 0.2	0.1 400
25	01	1990		0236	7 51.1	151 50.4	553.7	11.1 127	0.7 182	10.7 124	c/cs			401
25	01	1990		*0240	7 50.67	151 51.02	554.5	11.2 128	0.9 182	10.7 124	GF	0.00 0.00	0 0.1	0.1 402
25	01	1990		*0245	7 50.10	151 51.76	555.4	11.6 127	1.1 156	10.7 124	GF	0.00 0.00	0 0.1	0.1 403
25	01	1990		*0250	7 49.52	151 52.54	556.4	10.6 127	0.6 225	10.7 124	GF	0.00 0.00	0 0.1	0.2 404
25	01	1990		*0300	7 48.45	151 53.95	558.1	12.7 127	2.1 144	10.7 124	GF	0.00 0.00	0 0.2	0.1 405
25	01	1990		*0305	7 47.81	151 54.80	559.2	11.4 128	1.1 172	10.7 124	GF	0.00 0.00	0 0.1	0.1 406
25	01	1990		0306	7 47.7	151 55.0	559.4	11.5 127	1.1 172	10.8 123	c/cs			407
25	01	1990		*0310	7 47.23	151 55.57	560.1	11.4 128	1.1 180	10.8 123	GF	0.00 0.00	0 0.1	0.1 408
25	01	1990		*0315	7 46.65	151 56.33	561.1	11.3 127	1.0 180	10.8 123	GF	0.00 0.00	0 0.1	0.1 409
25	01	1990		*0320	7 46.08	151 57.09	562.0	10.9 128	0.9 207	10.8 123	GF	0.00 0.00	0 0.1	0.1 410
25	01	1990		0322	7 45.9	151 57.4	562.4	10.7 128	0.9 207	10.6 123	c/cs			411
25	01	1990		*0325	7 45.53	151 57.81	562.9	9.5 128	1.4 270	10.6 123	GF	0.00 0.00	0 0.1	0.1 412
25	01	1990		*0330	7 45.05	151 58.44	563.7	12.0 128	1.6 160	10.6 123	GF	0.00 0.00	0 0.1	0.1 413
25	01	1990		0337	7 44.2	151 59.6	565.1	11.9 128	1.6 160	10.6 123	c/cs			414
25	01	1990		*0340	7 43.83	152 0.03	565.7	11.0 128	0.9 191	10.6 123	GF	0.00 0.00	0 0.3	0.2 415
25	01	1990		0344	7 43.4	152 0.6	566.4	11.0 129	0.9 191	10.6 124	c/cs			416
25	01	1990		*0345	7 43.27	152 0.76	566.6	11.1 127	0.8 181	10.6 124	GF	0.00 0.00	0 0.1	0.1 417
25	01	1990		*0350	7 42.71	152 1.50	567.6	10.2 127	0.7 255	10.6 124	GF	0.00 0.00	0 0.1	0.2 418
25	01	1990		*0400	7 41.69	152 2.87	569.3	12.8 127	2.2 141	10.6 124	GF	0.00 0.00	0 0.2	0.1 419
25	01	1990		*0405	7 41.05	152 3.73	570.3	11.1 127	0.7 171	10.6 124	GF	0.00 0.00	0 0.1	0.1 420
25	01	1990		*0410	7 40.50	152 4.48	571.2	11.1 126	0.6 164	10.6 124	GF	0.00 0.00	0 0.1	0.1 421
25	01	1990		0411	7 40.4	152 4.6	571.4	11.0 126	0.6 164	10.6 124	c/cs			422
25	01	1990		*0415	7 39.96	152 5.23	572.2	11.2 125	0.6 138	10.6 124	GF	0.00 0.00	0 0.0	0.1 423
25	01	1990		*0420	7 39.43	152 6.00	573.1	10.5 126	0.4 225	10.6 124	GF	0.00 0.00	0 0.1	0.1 424
25	01	1990		0425	7 38.9	152 6.7	574.0	10.5 125	0.4 225	10.6 123	c/cs			425
25	01	1990		*0430	7 38.41	152 7.44	574.8	12.0 125	1.4 137	10.6 123	GF	0.00 0.00	0 0.1	0.2 426

#cruise ODP130JR

#	#	#	latitude	longitude	dist	actual	drift	dr	prob. error	drift	no.		
#	da	mo	yr	time	deg	deg	speed	speed	(smajxsmi@az)	dist	time		
#					deg	deg	cse	hed					
25	01	1990	*0435	7 37.84	152 8.27	575.8	10.9 125	0.5 179	10.6 123	GF	0.00 0.00 0	0.1 0.1	425
25	01	1990	*0445	7 36.80	152 9.77	577.7	10.6 125	0.4 212	10.6 123	GF	0.00 0.00 0	0.1 0.2	426
25	01	1990	*0450	7 36.29	152 10.50	578.5	11.1 125	0.6 157	10.6 123	GF	0.00 0.00 0	0.0 0.1	427
25	01	1990	*0455	7 35.76	152 11.27	579.5	9.5 125	1.2 290	10.6 123	GF	0.00 0.00 0	0.1 0.1	428
25	01	1990	0455	7 35.8	152 11.3	579.5	9.7 126	1.2 290	10.8 124	c/cs			429
25	01	1990	*0500	7 35.29	152 11.93	580.3	12.7 127	2.0 143	10.8 124	GF	0.00 0.00 0	0.1 0.1	430
25	01	1990	0504	7 34.8	152 12.6	581.1	12.7 129	2.0 143	10.8 126	c/cs			431
25	01	1990	*0505	7 34.65	152 12.78	581.3	11.6 129	0.9 161	10.8 126	GF	0.00 0.00 0	0.2 0.1	432
25	01	1990	*0510	7 34.05	152 13.54	582.3	11.7 127	0.9 133	10.8 126	GF	0.00 0.00 0	0.1 0.1	433
25	01	1990	*0515	7 33.47	152 14.33	583.3	9.8 132	1.5 261	10.8 126	GF	0.00 0.00 0	0.1 0.1	434
25	01	1990	*0520	7 32.92	152 14.94	584.1	11.4 129	0.8 169	10.8 126	GF	0.00 0.00 0	0.1 0.1	435
25	01	1990	0526	7 32.2	152 15.8	585.2	11.3 130	0.8 169	10.7 127	c/cs			436
25	01	1990	*0535	7 31.12	152 17.15	586.9	11.0 130	0.7 186	10.7 127	GF	0.00 0.00 0	0.2 0.2	437
25	01	1990	*0540	7 30.53	152 17.86	587.8	11.1 130	0.7 183	10.7 127	GF	0.00 0.00 0	0.1 0.1	438
25	01	1990	0541	7 30.4	152 18.0	588.0	11.2 131	0.7 183	10.8 128	c/cs			439
25	01	1990	*0545	7 29.92	152 18.57	588.8	11.5 130	0.9 158	10.8 128	GF	0.00 0.00 0	0.1 0.1	440
25	01	1990	*0550	7 29.30	152 19.31	589.7	10.2 130	0.7 273	10.8 128	GF	0.00 0.00 0	0.1 0.2	441
25	01	1990	*0600	7 28.20	152 20.62	591.4	12.8 131	2.1 146	10.8 128	GF	0.00 0.00 0	0.1 0.2	442
25	01	1990	0602	7 27.9	152 20.9	591.9	13.1 133	2.1 146	11.0 130	c/cs			443
25	01	1990	*0605	7 27.48	152 21.43	592.5	11.2 133	0.6 202	11.0 130	GF	0.00 0.00 0	0.2 0.1	444
25	01	1990	*0610	7 26.84	152 22.12	593.5	11.6 133	0.8 180	11.0 130	GF	0.00 0.00 0	0.1 0.1	445
25	01	1990	*0615	7 26.18	152 22.83	594.4	11.4 134	0.9 196	11.0 130	GF	0.00 0.00 0	0.1 0.1	446
25	01	1990	*0620	7 25.52	152 23.52	595.4	11.6 134	0.9 184	11.0 130	GF	0.00 0.00 0	0.1 0.1	447
25	01	1990	0623	7 25.1	152 23.9	596.0	11.4 134	0.9 184	10.8 130	c/cs			448
25	01	1990	*0625	7 24.86	152 24.22	596.3	11.3 134	1.0 190	10.8 130	GF	0.00 0.00 0	0.1 0.1	449
25	01	1990	0628	7 24.5	152 24.6	596.9	11.5 134	1.0 190	11.0 130	c/cs			450
25	01	1990	*0635	7 23.53	152 25.60	598.2	11.4 136	1.2 203	11.0 130	GF	0.00 0.00 0	0.2 0.2	451
25	01	1990	0638	7 23.1	152 26.0	598.8	11.2 135	1.2 203	10.9 129	c/cs			452
25	01	1990	*0640	7 22.86	152 26.27	599.2	11.5 134	1.1 187	10.9 129	GF	0.00 0.00 0	0.1 0.1	453
25	01	1990	*0645	7 22.20	152 26.97	600.1	11.2 133	0.9 203	10.9 129	GF	0.00 0.00 0	0.1 0.1	454
25	01	1990	*0650	7 21.56	152 27.65	601.1	10.5 133	0.8 248	10.9 129	GF	0.00 0.00 0	0.1 0.1	455
25	01	1990	0650	7 21.6	152 27.6	601.1	10.4 133	0.8 248	10.8 129	c/cs			456
25	01	1990	*0700	7 20.38	152 28.94	602.8	12.7 134	2.1 159	10.8 129	GF	0.00 0.00 0	0.1 0.2	457
25	01	1990	0702	7 20.1	152 29.2	603.2	12.8 133	2.1 159	11.0 128	c/cs			458
25	01	1990	*0705	7 19.65	152 29.72	603.9	11.3 133	1.0 198	11.0 128	GF	0.00 0.00 0	0.2 0.1	459
25	01	1990	*0710	7 19.01	152 30.42	604.8	11.2 132	0.9 201	11.0 128	GF	0.00 0.00 0	0.1 0.1	460
25	01	1990	*0715	7 18.38	152 31.12	605.8	11.4 133	1.1 196	11.0 128	GF	0.00 0.00 0	0.1 0.1	461
25	01	1990	*0720	7 17.73	152 31.82	606.7	11.2 133	1.0 205	11.0 128	GF	0.00 0.00 0	0.1 0.1	462
25	01	1990	*0725	7 17.09	152 32.51	607.6	9.8 132	1.3 280	11.0 128	GF	0.00 0.00 0	0.1 0.1	463
25	01	1990	0727	7 16.9	152 32.8	608.0	9.7 132	1.3 280	10.9 128	c/cs			464
25	01	1990	*0730	7 16.55	152 33.12	608.5	12.0 132	1.4 165	10.9 128	GF	0.00 0.00 0	0.1 0.1	465
25	01	1990	*0740	7 15.21	152 34.62	610.5	11.5 132	1.0 182	10.9 128	GF	0.00 0.00 0	0.2 0.2	466
25	01	1990	0742	7 15.0	152 34.9	610.8	11.5 133	1.0 182	10.9 129	c/cs			467
25	01	1990	*0745	7 14.56	152 35.33	611.4	11.5 132	0.8 173	10.9 129	GF	0.00 0.00 0	0.1 0.1	468
25	01	1990	*0750	7 13.92	152 36.05	612.4	10.5 132	0.7 262	10.9 129	GF	0.00 0.00 0	0.1 0.1	469
25	01	1990	*0800	7 12.76	152 37.36	614.1	12.1 133	1.4 162	10.9 129	GF	0.00 0.00 0	0.1 0.2	470
25	01	1990	0805	7 12.1	152 38.1	615.1	12.2 133	1.4 162	11.0 130	c/cs			471
25	01	1990	*0810	7 11.38	152 38.85	616.1	11.3 134	0.8 196	11.0 130	GF	0.00 0.00 0	0.2 0.2	472
25	01	1990	*0815	7 10.73	152 39.54	617.1	11.2 133	0.7 207	11.0 130	GF	0.00 0.00 0	0.1 0.1	473
25	01	1990	*0820	7 10.09	152 40.22	618.0	10.5 134	0.9 257	11.0 130	GF	0.00 0.00 0	0.1 0.1	474
25	01	1990	0828	7 9.1	152 41.2	619.4	10.4 134	0.9 257	10.9 130	c/cs			475
25	01	1990	*0830	7 8.88	152 41.49	619.8	12.7 134	1.9 156	10.9 130	GF	0.00 0.00 0	0.1 0.2	476
25	01	1990	*0835	7 8.15	152 42.26	620.8	11.2 133	0.7 195	10.9 130	GF	0.00 0.00 0	0.2 0.1	477

#cruise ODP130JR

#	#	da	mo	yr	time	latitude deg	latitude min	longitude deg	longitude min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. (sma)	error (jxsmin@az)	drift dist	drift time	no.	
25	01	1990			*0840	7	7.51	152	42.95	621.8	11.1	134	0.8	212	10.9	130	GF	0.00	0.00	0	0.1	0.1	478
25	01	1990			*0845	7	6.87	152	43.62	622.7	11.4	134	0.9	191	10.9	130	GF	0.00	0.00	0	0.1	0.1	479
25	01	1990			*0850	7	6.21	152	44.31	623.6	11.2	134	0.9	203	10.9	130	GF	0.00	0.00	0	0.1	0.1	480
25	01	1990			0853	7	5.8	152	44.7	624.2	11.3	133	0.9	203	11.0	129	c/cs						481
25	01	1990			*0855	7	5.56	152	44.99	624.6	11.6	134	1.1	187	11.0	129	GF	0.00	0.00	0	0.1	0.1	482
25	01	1990			*0905	7	4.23	152	46.40	626.5	11.6	134	1.1	190	11.0	129	GF	0.00	0.00	0	0.2	0.2	483
25	01	1990			0905	7	4.2	152	46.4	626.5	11.6	134	1.1	190	11.0	129	c/cs						484
25	01	1990			*0910	7	3.56	152	47.10	627.5	11.4	134	1.1	198	11.0	129	GF	0.00	0.00	0	0.1	0.1	485
25	01	1990			*0915	7	2.90	152	47.79	628.4	11.7	133	1.0	177	11.0	129	GF	0.00	0.00	0	0.1	0.1	486
25	01	1990			*0920	7	2.24	152	48.51	629.4	11.5	133	0.9	186	11.0	129	GF	0.00	0.00	0	0.1	0.1	487
25	01	1990			*0925	7	1.59	152	49.22	630.3	10.1	134	1.3	268	11.0	129	GF	0.00	0.00	0	0.1	0.1	488
25	01	1990			*0930	7	1.01	152	49.83	631.2	12.9	133	2.1	152	11.0	129	GF	0.00	0.00	0	0.1	0.1	489
25	01	1990			0933	7	0.6	152	50.3	631.8	12.8	132	2.1	152	10.9	128	c/cs						490
25	01	1990			*0935	7	0.29	152	50.63	632.3	11.6	131	1.0	172	10.9	128	GF	0.00	0.00	0	0.2	0.1	491
25	01	1990			*0940	6	59.65	152	51.36	633.2	11.5	132	1.0	179	10.9	128	GF	0.00	0.00	0	0.1	0.1	492
25	01	1990			*0945	6	59.01	152	52.08	634.2	11.1	130	0.5	190	10.9	128	GF	0.00	0.00	0	0.1	0.1	493
25	01	1990			*0950	6	58.41	152	52.79	635.1	11.2	132	0.9	195	10.9	128	GF	0.00	0.00	0	0.0	0.1	494
25	01	1990			*0955	6	57.78	152	53.49	636.0	9.8	132	1.3	274	10.9	128	GF	0.00	0.00	0	0.1	0.1	495
25	01	1990			*1000	6	57.23	152	54.10	636.9	12.6	131	1.8	148	10.9	128	GF	0.00	0.00	0	0.1	0.1	496
25	01	1990			1002	6	57.0	152	54.4	637.3	12.7	131	1.8	148	10.9	128	c/cs						497
25	01	1990			*1010	6	55.85	152	55.71	639.0	12.0	131	1.2	158	10.9	128	GF	0.00	0.00	0	0.3	0.2	498
25	01	1990			*1015	6	55.20	152	56.47	640.0	11.8	131	1.0	161	10.9	128	GF	0.00	0.00	0	0.1	0.1	499
25	01	1990			*1020	6	54.56	152	57.22	640.9	10.7	131	0.5	240	10.9	128	GF	0.00	0.00	0	0.1	0.1	500
25	01	1990			1026	6	53.9	152	58.0	642.0	10.6	131	0.5	240	10.8	128	c/cs						501
25	01	1990			*1030	6	53.40	152	58.58	642.7	12.1	130	1.4	145	10.8	128	GF	0.00	0.00	0	0.1	0.2	502
25	01	1990			1030	6	53.4	152	58.6	642.7	12.2	131	1.4	145	10.9	129	c/cs						503
25	01	1990			*1040	6	52.07	153	0.13	644.8	11.6	131	0.9	161	10.9	129	GF	0.00	0.00	0	0.2	0.2	504
25	01	1990			1040	6	52.1	153	0.1	644.8	11.6	131	0.9	161	10.8	129	c/cs						505
25	01	1990			*1045	6	51.43	153	0.86	645.7	11.4	131	0.8	166	10.8	129	GF	0.00	0.00	0	0.1	0.1	506
25	01	1990			*1050	6	50.80	153	1.58	646.7	11.8	130	1.0	139	10.8	129	GF	0.00	0.00	0	0.1	0.1	507
25	01	1990			*1055	6	50.17	153	2.34	647.7	9.9	132	1.0	281	10.8	129	GF	0.00	0.00	0	0.1	0.1	508
25	01	1990			*1100	6	49.62	153	2.96	648.5	12.5	131	1.7	141	10.8	129	GF	0.00	0.00	0	0.1	0.1	509
25	01	1990			1106	6	48.8	153	3.9	649.7	12.3	129	1.7	141	10.7	127	c/cs						510
25	01	1990			*1110	6	48.29	153	4.56	650.6	11.6	128	0.9	135	10.7	127	GF	0.00	0.00	0	0.3	0.2	511
25	01	1990			*1115	6	47.70	153	5.33	651.5	11.8	129	1.2	145	10.7	127	GF	0.00	0.00	0	0.1	0.1	512
25	01	1990			1136	6	45.1	153	8.6	655.7	11.9	129	1.2	145	10.7	127	c/cs						513
25	01	1990			1145	6	44.0	153	10.0	657.4	11.9	129	1.2	145	10.8	127	c/cs						514
25	01	1990			*1149	6	43.50	153	10.60	658.2	11.7	129	1.0	151	10.8	127	SF	0.00	0.00	0	0.7	0.6	515
25	01	1990			1158	6	42.4	153	12.0	660.0	11.2	129	1.0	151	10.3	127	c/cs						516
25	01	1990			1205	6	41.6	153	13.0	661.3	11.7	129	1.0	151	10.8	127	c/cs						517
25	01	1990			1235	6	37.9	153	17.6	667.2	11.7	129	1.0	151	10.8	127	c/cs						518
25	01	1990			1305	6	34.2	153	22.2	673.0	11.8	131	1.0	151	10.9	129	c/cs						519
25	01	1990			1323	6	31.9	153	24.9	676.6	11.8	131	1.0	151	10.8	129	c/cs						520
25	01	1990			*1338	6	29.97	153	27.10	679.5	12.0	128	1.2	118	10.8	129	SF	0.00	0.00	0	1.8	1.8	521
25	01	1990			1352	6	28.2	153	29.3	682.3	12.3	127	1.2	118	11.1	128	c/cs						522
25	01	1990			1355	6	27.9	153	29.8	682.9	12.2	127	1.2	118	10.9	128	c/cs						523
25	01	1990			1410	6	26.0	153	32.3	686.0	11.6	128	1.2	118	10.3	129	c/cs						524
25	01	1990			1414	6	25.6	153	32.9	686.7	12.1	128	1.2	118	10.9	129	c/cs						525
25	01	1990			1440	6	22.3	153	37.1	692.0	12.1	128	1.2	118	10.9	129	c/cs						526
25	01	1990			1510	6	18.6	153	41.9	698.1	12.1	127	1.2	118	10.8	128	c/cs						527
25	01	1990			1517	6	17.8	153	43.0	699.5	12.0	129	1.2	118	10.8	130	c/cs						528
25	01	1990			1539	6	15.0	153	46.5	703.9	11.9	130	1.2	118	10.7	131	c/cs						529
25	01	1990			1553	6	13.2	153	48.6	706.7	11.7	128	1.2	118	10.5	129	c/cs						530

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmi@az)	drift dist	drift time	no.	
#																			531
25	01	1990	1605		6 11.8	153 50.5	709.0	11.7	128	1.2	118	10.5	129	c/cs				532	
25	01	1990	1615		6 10.6	153 52.0	711.0	11.9	128	1.2	118	10.6	129	c/cs				533	
25	01	1990	1624		6 9.5	153 53.4	712.7	12.0	128	1.2	118	10.8	129	c/cs				534	
25	01	1990	1647		6 6.7	153 57.1	717.3	11.9	128	1.2	118	10.7	129	c/cs				535	
25	01	1990	1717		6 3.0	154 1.8	723.3	11.8	128	1.2	118	10.6	129	c/cs				536	
25	01	1990	1732		6 1.2	154 4.2	726.2	11.9	128	1.2	118	10.7	129	c/cs				537	
25	01	1990	*1745		5 59.62	154 6.20	728.8	12.0	131	1.3	144	10.7	129	SF	0.00 0.00	0	5.1 4.1	538	
25	01	1990	1749		5 59.1	154 6.8	729.6	12.0	131	1.3	144	10.8	129	c/cs				539	
25	01	1990	1819		5 55.2	154 11.4	735.6	12.0	131	1.3	144	10.8	129	c/cs				540	
25	01	1990	1838		5 52.7	154 14.3	739.4	11.9	131	1.3	144	10.6	129	c/cs				541	
25	01	1990	1852		5 50.9	154 16.4	742.2	12.1	131	1.3	144	10.8	129	c/cs				542	
25	01	1990	1901		5 49.7	154 17.8	744.0	12.0	131	1.3	144	10.7	129	c/cs				543	
25	01	1990	*1914		5 48.01	154 19.80	746.6	11.8	132	1.3	162	10.7	129	SF	0.00 0.00	0	2.0 1.5	544	
25	01	1990	1915		5 47.9	154 19.9	746.8	12.0	132	1.3	162	10.9	129	c/cs				545	
25	01	1990	1925		5 46.5	154 21.4	748.8	12.2	132	1.3	162	11.1	129	c/cs				546	
25	01	1990	1934		5 45.3	154 22.8	750.7	12.1	133	1.3	162	10.9	130	c/cs				547	
25	01	1990	2004		5 41.2	154 27.2	756.7	12.0	134	1.3	162	10.9	131	c/cs				548	
25	01	1990	2034		5 37.0	154 31.5	762.7	12.1	134	1.3	162	11.0	131	c/cs				549	
25	01	1990	2103		5 32.9	154 35.8	768.6	12.2	133	1.3	162	11.0	130	c/cs				550	
25	01	1990	*2110		5 31.90	154 36.80	770.0	12.8	128	1.8	117	11.0	130	GF	0.00 0.00	0	2.5 1.9	551	
25	01	1990	2133		5 28.9	154 40.7	774.9	12.6	128	1.8	117	10.9	130	c/cs				552	
25	01	1990	2142		5 27.7	154 42.2	776.8	12.7	127	1.8	117	11.0	129	c/cs				553	
25	01	1990	2203		5 27.7	154 42.2	776.8	12.7	127	1.8	117	11.1	129	c/cs				554	
25	01	1990	2203		5 25.0	154 45.7	781.2	12.8	127	1.8	117	11.2	130	c/cs				555	
25	01	1990	2226		5 22.0	154 49.6	786.1	12.9	128	1.8	117	11.2	130	c/cs				556	
25	01	1990	*2230		5 21.50	154 50.30	787.0	11.7	131	0.6	144	11.2	130	GF	0.00 0.00	0	2.3 1.3	557	
25	01	1990	2234		5 21.0	154 50.9	787.8	11.6	133	0.6	144	11.0	132	c/cs				558	
25	01	1990	2234		5 21.0	154 50.9	787.8	11.6	133	0.6	144	11.0	132	c/cs				559	
25	01	1990	2255		5 18.3	154 53.9	791.8	11.6	133	0.6	144	11.0	132	c/cs				560	
25	01	1990	*2300		5 17.60	154 54.60	792.8	11.8	133	0.9	143	11.0	132	GF	0.00 0.00	0	0.3 0.5	561	
25	01	1990	2308		5 16.5	154 55.8	794.4	11.8	133	0.9	143	11.0	131	c/cs				562	
25	01	1990	2315		5 15.6	154 56.8	795.7	11.8	133	0.9	143	10.9	132	c/cs				563	
25	01	1990	2337		5 12.7	154 60.0	800.1	11.8	133	0.9	143	10.9	132	c/cs				564	
26	01	1990	*0000		5 9.60	155 3.30	804.6	12.3	131	1.3	121	10.9	132	GF	0.00 0.00	0	0.9 1.0	565	
26	01	1990	0000		5 9.6	155 3.3	804.6	12.3	131	1.3	121	10.9	132	c/cs				566	
26	01	1990	0007		5 8.7	155 4.4	806.0	12.4	131	1.3	121	11.1	132	c/cs				567	
26	01	1990	0036		5 4.7	155 8.9	812.0	12.4	131	1.3	121	11.0	132	c/cs				568	
26	01	1990	0036		5 4.7	155 8.9	812.0	12.4	131	1.3	121	11.0	132	c/cs				569	
26	01	1990	*0100		5 1.50	155 12.70	817.0	11.0	131	0.3	42	11.0	132	GF	0.00 0.00	0	1.3 1.0	570	
26	01	1990	0106		5 0.8	155 13.5	818.1	11.2	131	0.3	42	11.2	132	c/cs				571	
26	01	1990	0106		5 0.8	155 13.5	818.1	11.2	131	0.3	42	11.2	132	c/cs				572	
26	01	1990	0128		4 58.1	155 16.7	822.2	11.2	132	0.3	42	11.2	133	c/cs				573	
26	01	1990	*0130		4 57.87	155 16.95	822.5	12.0	132	0.9	115	11.2	133	GF	0.00 0.00	0	0.1 0.5	574	
26	01	1990	0158		4 54.1	155 21.2	828.1	12.0	131	0.9	115	11.2	132	c/cs				575	
26	01	1990	*0200		4 53.88	155 21.46	828.5	11.9	130	0.9	98	11.2	132	GF	0.00 0.00	0	0.4 0.5	576	
26	01	1990	0214		4 52.1	155 23.6	831.3	10.3	130	0.9	98	9.6	133	c/cs				577	
26	01	1990	0216		4 51.9	155 23.9	831.7	11.9	130	0.9	98	11.1	132	c/cs				578	
26	01	1990	0234		4 49.6	155 26.6	835.2	11.9	132	0.9	98	11.2	135	c/cs				579	
26	01	1990	0249		4 47.6	155 28.8	838.2	11.6	132	0.9	98	10.8	135	c/cs				580	
26	01	1990	0257		4 46.6	155 30.0	839.8	11.6	133	0.9	98	10.9	136	c/cs				581	
26	01	1990	*0300		4 46.16	155 30.40	840.3	11.1	134	0.4	73	10.9	136	GF	0.00 0.00	0	0.9 1.0	582	
26	01	1990	0304		4 45.6	155 30.9	841.1	11.3	136	0.4	73	11.1	138	c/cs				583	
26	01	1990	0318		4 43.7	155 32.8	843.7	11.4	136	0.4	73	11.2	138	c/cs				584	
26	01	1990	0348		4 39.6	155 36.8	849.4	11.6	136	0.4	73	11.4	138	c/cs				585	
26	01	1990	0413		4 36.2	155 40.1	854.3	11.5	135	0.4	73	11.3	137	c/cs				586	
26	01	1990	0434		4 33.3	155 43.0	858.3	11.4	134	0.4	73	11.2	136	c/cs				587	
26	01	1990	0447		4 31.6	155 44.7	860.8	11.6	134	0.4	73	11.4	136	c/cs				588	

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	drift dist	time	no.	
#																			
																			584
26	01	1990	0502	4	29.6	155 46.8	863.6	11.5	131	0.4	73	11.3	133	c/cs				585	
26	01	1990	0525	4	26.7	155 50.2	868.1	11.3	131	0.4	73	11.1	133	c/cs				586	
26	01	1990	0529	4	26.2	155 50.7	868.8	11.5	131	0.4	73	11.2	133	c/cs				587	
26	01	1990	*0530	4	26.04	155 50.88	869.0	11.4	134	0.2	179	11.2	133	GF	0.00 0.00	0	1.1	2.5	588
26	01	1990	0535	4	25.4	155 51.6	870.0	11.1	134	0.2	179	11.0	133	c/cs				589	
26	01	1990	0539	4	24.9	155 52.1	870.7	11.8	134	0.2	179	11.6	133	c/cs				590	
26	01	1990	0545	4	24.1	155 53.0	871.9	11.5	134	0.2	179	11.4	133	c/cs				591	
26	01	1990	0607	4	21.2	155 56.0	876.1	11.3	133	0.2	179	11.2	132	c/cs				592	
26	01	1990	0634	4	17.7	155 59.8	881.2	11.3	132	0.2	179	11.1	131	c/cs				593	
26	01	1990	*0700	4	14.46	156 3.41	886.0	11.8	133	0.8	169	11.1	131	GF	0.00 0.00	0	0.3	1.5	594
26	01	1990	0704	4	13.9	156 4.0	886.8	11.9	133	0.8	169	11.3	131	c/cs				595	
26	01	1990	*0708	4	13.38	156 4.56	887.6	11.3	134	0.6	214	11.3	131	GF	0.00 0.00	0	0.1	0.1	596
26	01	1990	0713	4	12.7	156 5.2	888.6	11.4	135	0.6	214	11.3	132	c/cs				597	
26	01	1990	0734	4	9.9	156 8.1	892.6	11.1	135	0.6	214	11.1	132	c/cs				598	
26	01	1990	0743	4	8.7	156 9.3	894.2	11.3	135	0.6	214	11.2	132	c/cs				599	
26	01	1990	0756	4	7.0	156 11.0	896.7	11.4	134	0.6	214	11.3	131	c/cs				600	
26	01	1990	0823	4	3.4	156 14.7	901.8	11.3	134	0.6	214	11.2	131	c/cs				601	
26	01	1990	0837	4	1.6	156 16.6	904.5	11.3	133	0.6	214	11.2	130	c/cs				602	
26	01	1990	*0900	3	58.67	156 19.78	908.8	11.3	133	0.6	211	11.2	130	GF	0.00 0.00	0	1.1	1.9	603
26	01	1990	0902	3	58.4	156 20.1	909.1	11.3	131	0.6	211	11.2	128	c/cs				604	
26	01	1990	*0905	3	58.04	156 20.48	909.7	11.0	133	1.1	231	11.2	128	GF	0.00 0.00	0	0.1	0.1	605
26	01	1990	*0910	3	57.41	156 21.15	910.6	11.5	132	0.8	202	11.2	128	GF	0.00 0.00	0	0.1	0.1	606
26	01	1990	*0915	3	56.77	156 21.86	911.6	11.7	132	0.9	186	11.2	128	GF	0.00 0.00	0	0.1	0.1	607
26	01	1990	*0920	3	56.12	156 22.59	912.6	10.8	132	0.8	248	11.2	128	GF	0.00 0.00	0	0.1	0.2	608
26	01	1990	*0930	3	54.92	156 23.94	914.4	13.0	130	1.8	143	11.2	128	GF	0.00 0.00	0	0.1	0.2	609
26	01	1990	0932	3	54.6	156 24.3	914.8	13.0	128	1.8	143	11.2	126	c/cs				610	
26	01	1990	*0935	3	54.24	156 24.78	915.4	11.1	130	0.8	223	11.2	126	GF	0.00 0.00	0	0.2	0.1	611
26	01	1990	*0940	3	53.64	156 25.49	916.4	11.2	129	0.6	217	11.2	126	GF	0.00 0.00	0	0.1	0.1	612
26	01	1990	0943	3	53.3	156 25.9	916.9	10.9	129	0.6	217	10.9	126	c/cs				613	
26	01	1990	*0945	3	53.06	156 26.21	917.3	10.8	129	0.7	223	10.9	126	GF	0.00 0.00	0	0.0	0.1	614
26	01	1990	0946	3	52.9	156 26.3	917.5	11.2	129	0.7	223	11.3	126	c/cs				615	
26	01	1990	*0950	3	52.47	156 26.93	918.2	10.5	130	1.1	266	11.3	126	GF	0.00 0.00	0	0.1	0.1	616
26	01	1990	*1000	3	51.35	156 28.28	920.0	12.4	129	1.3	161	11.3	126	GF	0.00 0.00	0	0.2	0.2	617
26	01	1990	1000	3	51.3	156 28.3	920.0	12.3	129	1.3	161	11.2	126	c/cs				618	
26	01	1990	*1005	3	50.70	156 29.07	921.0	11.2	131	1.0	218	11.2	126	GF	0.00 0.00	0	0.1	0.1	619
26	01	1990	1009	3	50.2	156 29.6	921.7	11.4	133	1.0	218	11.3	128	c/cs				620	
26	01	1990	*1010	3	50.08	156 29.77	921.9	11.4	133	0.9	217	11.3	128	GF	0.00 0.00	0	0.1	0.1	621
26	01	1990	*1015	3	49.44	156 30.47	922.9	11.4	132	0.9	217	11.3	128	GF	0.00 0.00	0	0.1	0.1	622
26	01	1990	*1020	3	48.80	156 31.17	923.8	11.3	132	0.8	218	11.3	128	GF	0.00 0.00	0	0.1	0.1	623
26	01	1990	*1040	3	46.26	156 33.98	927.6	11.5	132	0.8	208	11.3	128	GF	0.00 0.00	0	0.3	0.3	624
26	01	1990	1041	3	46.1	156 34.1	927.8	11.5	132	0.8	208	11.3	128	c/cs				625	
26	01	1990	*1045	3	45.62	156 34.69	928.6	11.4	133	1.1	216	11.3	128	GF	0.00 0.00	0	0.1	0.1	626
26	01	1990	*1050	3	44.97	156 35.38	929.5	9.4	132	2.0	290	11.3	128	GF	0.00 0.00	0	0.1	0.1	627
26	01	1990	1051	3	44.9	156 35.5	929.7	7.6	132	2.0	290	9.5	127	c/cs				628	
26	01	1990	*1100	3	44.11	156 36.35	930.8	6.9	134	2.7	289	9.5	127	GF	0.00 0.00	0	0.3	0.2	629
26	01	1990	1117	3	42.7	156 37.8	932.8	3.9	138	2.7	289	6.4	126	c/cs				630	
26	01	1990	*1120	3	42.60	156 37.90	933.0	6.0	134	0.9	244	6.4	126	GF	0.00 0.00	0	0.9	0.3	631
26	01	1990	1138	3	41.4	156 39.2	934.8	4.9	158	0.9	244	4.9	147	c/cs				632	
26	01	1990	1139	3	41.3	156 39.2	934.9	6.1	177	0.9	244	5.8	169	c/cs				633	
26	01	1990	1140	3	41.2	156 39.2	935.0	7.5	203	0.9	244	6.9	198	c/cs				634	
26	01	1990	*1145	3	40.60	156 39.00	935.6	7.3	207	1.2	271	6.9	198	GF	0.00 0.00	0	0.4	0.4	635
26	01	1990	1145	3	40.6	156 39.0	935.6	8.1	207	1.2	271	7.6	199	c/cs				636	
26	01	1990	1156	3	39.3	156 38.3	937.1	7.9	205	1.2	271	7.5	197	c/cs				636	

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmineaz)	drift dist	time	no.	
#																			
27	01	1990	*0035		3 16. 63	157 38. 26	1030. 8	7. 6	106	0. 8	203	7. 7	100	GF	0. 00 0. 00	0	0. 1	0. 1	743
27	01	1990	*0040		3 16. 46	157 38. 87	1031. 4	7. 6	106	0. 8	202	7. 7	100	GF	0. 00 0. 00	0	0. 1	0. 1	744
27	01	1990	*0045		3 16. 29	157 39. 48	1032. 1	7. 4	106	0. 8	213	7. 7	100	GF	0. 00 0. 00	0	0. 1	0. 1	745
27	01	1990	0048		3 16. 2	157 39. 8	1032. 4	7. 5	106	0. 8	213	7. 8	100	c/cs					746
27	01	1990	*0050		3 16. 12	157 40. 08	1032. 7	7. 7	104	0. 6	205	7. 8	100	GF	0. 00 0. 00	0	0. 1	0. 1	747
27	01	1990	*0055		3 15. 96	157 40. 70	1033. 3	7. 4	106	0. 9	221	7. 8	100	GF	0. 00 0. 00	0	0. 1	0. 1	748
27	01	1990	*0100		3 15. 79	157 41. 29	1033. 9	7. 7	105	0. 7	200	7. 8	100	GF	0. 00 0. 00	0	0. 1	0. 1	749
27	01	1990	*0105		3 15. 62	157 41. 91	1034. 6	7. 8	105	0. 7	191	7. 8	100	GF	0. 00 0. 00	0	0. 1	0. 1	750
27	01	1990	*0110		3 15. 45	157 42. 54	1035. 2	8. 5	105	1. 0	149	7. 8	100	GF	0. 00 0. 00	0	0. 0	0. 0	751
27	01	1990	*0113		3 15. 34	157 42. 95	1035. 7	7. 6	104	0. 6	213	7. 8	100	GF	0. 00 0. 00	0	0. 0	0. 0	752
27	01	1990	0113		3 15. 3	157 43. 0	1035. 7	6. 8	105	0. 6	213	7. 0	101	c/cs					753
27	01	1990	*0115		3 15. 28	157 43. 17	1035. 9	6. 8	107	0. 7	212	7. 0	101	GF	0. 00 0. 00	0	0. 0	0. 0	754
27	01	1990	0117		3 15. 2	157 43. 4	1036. 1	7. 6	106	0. 7	212	7. 8	101	c/cs					755
27	01	1990	*0120		3 15. 11	157 43. 75	1036. 5	7. 9	105	0. 6	178	7. 8	101	GF	0. 00 0. 00	0	0. 1	0. 1	756
27	01	1990	*0125		3 14. 94	157 44. 39	1037. 2	7. 8	103	0. 3	197	7. 8	101	GF	0. 00 0. 00	0	0. 0	0. 1	757
27	01	1990	*0130		3 14. 79	157 45. 02	1037. 8	7. 7	105	0. 6	200	7. 8	101	GF	0. 00 0. 00	0	0. 0	0. 1	758
27	01	1990	0147		3 14. 2	157 47. 1	1040. 0	7. 7	106	0. 6	200	7. 8	101	c/cs					759
27	01	1990	*0200		3 13. 76	157 48. 74	1041. 7	7. 7	107	0. 8	196	7. 8	101	GF	0. 00 0. 00	0	0. 3	0. 5	760
27	01	1990	0201		3 13. 7	157 48. 9	1041. 8	8. 0	107	0. 8	196	8. 0	101	c/cs					761
27	01	1990	*0230		3 12. 61	157 52. 55	1045. 6	7. 8	108	1. 0	205	8. 0	101	GF	0. 00 0. 00	0	0. 4	0. 5	762
27	01	1990	0231		3 12. 6	157 52. 7	1045. 8	7. 8	107	1. 0	205	8. 0	100	c/cs					763
27	01	1990	0238		3 12. 3	157 53. 5	1046. 7	7. 5	107	1. 0	205	7. 7	100	c/cs					764
27	01	1990	0245		3 12. 0	157 54. 4	1047. 6	7. 7	107	1. 0	205	7. 9	100	c/cs					765
27	01	1990	*0300		3 11. 47	157 56. 24	1049. 5	9. 1	105	1. 4	137	7. 9	100	GF	0. 00 0. 00	0	0. 5	0. 5	766
27	01	1990	0304		3 11. 3	157 56. 8	1050. 1	8. 9	104	1. 4	137	7. 8	98	c/cs					767
27	01	1990	*0330		3 10. 40	158 0. 58	1054. 0	6. 4	103	1. 6	256	7. 8	98	GF	0. 00 0. 00	0	0. 7	0. 5	768
27	01	1990	0334		3 10. 3	158 1. 0	1054. 4	6. 4	104	1. 6	256	7. 8	99	c/cs					769
27	01	1990	*0400		3 9. 61	158 3. 69	1057. 2	7. 7	106	0. 9	201	7. 8	99	GF	0. 00 0. 00	0	0. 8	0. 5	770
27	01	1990	0402		3 9. 5	158 3. 9	1057. 4	7. 5	105	0. 9	201	7. 6	98	c/cs					771
27	01	1990	0412		3 9. 2	158 5. 1	1058. 7	7. 6	105	0. 9	201	7. 8	98	c/cs					772
27	01	1990	0427		3 8. 7	158 7. 0	1060. 6	7. 6	105	0. 9	201	7. 8	98	c/cs					773
27	01	1990	*0430		3 8. 63	158 7. 35	1060. 9	7. 6	105	0. 9	203	7. 8	98	GF	0. 00 0. 00	0	0. 5	0. 5	774
27	01	1990	0449		3 8. 0	158 9. 7	1063. 4	7. 5	106	0. 9	203	7. 7	99	c/cs					775
27	01	1990	*0500		3 7. 64	158 11. 01	1064. 7	7. 5	105	0. 8	206	7. 7	99	GF	0. 00 0. 00	0	0. 5	0. 5	776
27	01	1990	0506		3 7. 4	158 11. 7	1065. 5	8. 1	104	0. 8	206	8. 3	99	c/cs					777
27	01	1990	0520		3 7. 0	158 13. 6	1067. 4	8. 2	104	0. 8	206	8. 4	99	c/cs					778
27	01	1990	*0530		3 6. 64	158 14. 90	1068. 7	8. 6	105	0. 8	179	8. 4	99	GF	0. 00 0. 00	0	0. 4	0. 5	779
27	01	1990	0550		3 5. 9	158 17. 7	1071. 6	8. 6	105	0. 8	179	8. 4	99	c/cs					780
27	01	1990	*0600		3 5. 56	158 19. 06	1073. 0	8. 3	105	0. 9	200	8. 4	99	GF	0. 00 0. 00	0	0. 4	0. 5	781
27	01	1990	0610		3 5. 2	158 20. 4	1074. 4	8. 0	106	0. 9	200	8. 2	99	c/cs					782
27	01	1990	0617		3 4. 9	158 21. 3	1075. 4	7. 7	105	0. 9	200	7. 8	98	c/cs					783
27	01	1990	0625		3 4. 7	158 22. 3	1076. 4	8. 0	105	0. 9	200	8. 1	98	c/cs					784
27	01	1990	*0630		3 4. 51	158 22. 94	1077. 0	8. 0	104	0. 9	197	8. 1	98	GF	0. 00 0. 00	0	0. 5	0. 5	785
27	01	1990	0649		3 3. 9	158 25. 4	1079. 6	7. 6	105	0. 9	197	7. 7	99	c/cs					786
27	01	1990	0652		3 3. 8	158 25. 8	1080. 0	8. 0	105	0. 9	197	8. 1	99	c/cs					787
27	01	1990	*0700		3 3. 51	158 26. 81	1081. 0	8. 0	104	0. 8	199	8. 1	99	GF	0. 00 0. 00	0	0. 4	0. 5	788
27	01	1990	0722		3 2. 8	158 29. 6	1084. 0	7. 7	105	0. 8	199	7. 8	99	c/cs					789
27	01	1990	*0730		3 2. 52	158 30. 64	1085. 0	8. 1	105	0. 8	172	7. 8	99	GF	0. 00 0. 00	0	0. 4	0. 5	790
27	01	1990	0734		3 2. 4	158 31. 2	1085. 5	8. 1	105	0. 8	172	7. 8	99	c/cs					791
27	01	1990	0754		3 1. 7	158 33. 8	1088. 2	7. 8	104	0. 8	172	7. 5	98	c/cs					792
27	01	1990	0758		3 1. 6	158 34. 3	1088. 7	8. 1	104	0. 8	172	7. 9	98	c/cs					793
27	01	1990	*0800		3 1. 52	158 34. 55	1089. 0	8. 2	104	0. 9	172	7. 9	98	GF	0. 00 0. 00	0	0. 4	0. 5	794
27	01	1990	0809		3 1. 2	158 35. 7	1090. 2	8. 0	105	0. 9	172	7. 7	99	c/cs					795

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
																		796	
																		797	
27	01	1990		0813	3 1.1	158 36.3	1090.8	8.3	104	0.9	172	8.0	98	c/cs				798	
27	01	1990		*0830	3 0.53	158 38.53	1093.1	8.3	103	0.8	166	8.0	98	GF	0.00 0.00	0	0.4	0.5	799
27	01	1990		0833	3 0.4	158 38.9	1093.5	7.9	104	0.8	166	7.6	99	c/cs				800	
27	01	1990		0836	3 0.3	158 39.3	1093.9	8.3	104	0.8	166	8.0	99	c/cs				801	
27	01	1990		0853	2 59.8	158 41.6	1096.3	8.2	104	0.8	166	7.9	99	c/cs				802	
27	01	1990		*0900	2 59.55	158 42.55	1097.2	8.0	104	0.7	181	7.9	99	GF	0.00 0.00	0	0.4	0.5	803
27	01	1990		0917	2 59.0	158 44.8	1099.5	8.2	104	0.7	181	8.1	99	c/cs				804	
27	01	1990		*0930	2 58.60	158 46.49	1101.3	8.6	104	0.9	156	8.1	99	GF	0.00 0.00	0	0.3	0.5	805
27	01	1990		0937	2 58.4	158 47.5	1102.3	8.6	104	0.9	156	8.1	99	c/cs				806	
27	01	1990		1004	2 57.4	158 51.2	1106.2	8.3	103	0.9	156	7.8	98	c/cs				807	
27	01	1990		1010	2 57.2	158 52.0	1107.0	7.7	103	0.9	156	7.2	98	c/cs				808	
27	01	1990		1013	2 57.2	158 52.4	1107.4	8.6	103	0.9	156	8.1	98	c/cs				809	
27	01	1990		1035	2 56.5	158 55.5	1110.5	8.4	104	0.9	156	7.9	99	c/cs				810	
27	01	1990		1041	2 56.3	158 56.3	1111.4	8.5	104	0.9	156	8.0	99	c/cs				811	
27	01	1990		1103	2 55.5	158 59.3	1114.5	8.3	103	0.9	156	7.8	98	c/cs				812	
27	01	1990		1111	2 55.3	159 0.4	1115.6	8.4	104	0.9	156	7.9	99	c/cs				813	
27	01	1990		1141	2 54.2	159 4.5	1119.8	8.4	104	0.9	156	7.9	99	c/cs				814	
27	01	1990		1157	2 53.7	159 6.7	1122.1	8.1	104	0.9	156	7.7	99	c/cs				815	
27	01	1990		1206	2 53.4	159 7.9	1123.3	8.1	103	0.9	156	7.6	98	c/cs				816	
27	01	1990		1220	2 53.0	159 9.7	1125.2	8.2	104	0.9	156	7.7	99	c/cs				817	
27	01	1990		1228	2 52.7	159 10.8	1126.3	8.0	104	0.9	156	7.5	99	c/cs				818	
27	01	1990		1234	2 52.5	159 11.6	1127.1	8.4	103	0.9	156	7.9	98	c/cs	0.00 0.00	0	3.0	3.5	819
27	01	1990		*1300	2 51.70	159 15.10	1130.7	8.1	102	0.7	167	7.9	98	SF	0.00 0.00	0			820
27	01	1990		1300	2 51.7	159 15.1	1130.7	8.2	103	0.7	167	7.9	99	c/cs				821	
27	01	1990		1330	2 50.7	159 19.1	1134.8	8.1	103	0.7	167	7.8	99	c/cs				822	
27	01	1990		1351	2 50.1	159 21.9	1137.6	7.9	104	0.7	167	7.6	99	c/cs				823	
27	01	1990		1403	2 49.7	159 23.4	1139.2	8.0	103	0.7	167	7.8	99	c/cs	0.00 0.00	0	0.8	1.2	824
27	01	1990		*1410	2 49.50	159 24.30	1140.1	8.2	105	1.0	165	7.8	99	SF	0.00 0.00	0			825
27	01	1990		1422	2 49.1	159 25.9	1141.8	8.2	105	1.0	165	7.8	99	c/cs				826	
27	01	1990		1450	2 48.1	159 29.6	1145.6	8.2	105	1.0	165	7.8	99	c/cs				827	
27	01	1990		1511	2 47.3	159 32.4	1148.5	8.0	106	1.0	165	7.5	100	c/cs				828	
27	01	1990		1515	2 47.1	159 32.9	1149.0	8.3	105	1.0	165	7.9	99	c/cs				829	
27	01	1990		1535	2 46.4	159 35.6	1151.8	8.4	106	1.0	165	8.0	100	c/cs				830	
27	01	1990		1547	2 46.0	159 37.2	1153.5	8.0	105	1.0	165	7.6	99	c/cs				831	
27	01	1990		1557	2 45.6	159 38.5	1154.8	8.5	105	1.0	165	8.1	99	c/cs				832	
27	01	1990		1612	2 45.0	159 40.5	1157.0	8.1	105	1.0	165	7.6	99	c/cs	0.00 0.00	0	2.1	2.1	833
27	01	1990		*1617	2 44.87	159 41.20	1157.6	8.3	104	1.0	150	7.6	99	SF	0.00 0.00	0			834
27	01	1990		1617	2 44.9	159 41.2	1157.6	8.6	104	1.0	150	7.9	99	c/cs				835	
27	01	1990		1636	2 44.2	159 43.8	1160.4	8.6	104	1.0	150	7.9	99	c/cs				836	
27	01	1990		1652	2 43.6	159 46.1	1162.7	8.5	104	1.0	150	7.9	99	c/cs				837	
27	01	1990		1717	2 42.8	159 49.5	1166.2	8.6	104	1.0	150	8.0	99	c/cs				838	
27	01	1990		1732	2 42.2	159 51.6	1168.4	8.5	104	1.0	150	7.8	99	c/cs				839	
27	01	1990		1738	2 42.0	159 52.4	1169.2	8.8	104	1.0	150	8.1	99	c/cs				840	
27	01	1990		1757	2 41.3	159 55.1	1172.0	8.4	104	1.0	150	7.7	99	c/cs	0.00 0.00	0	1.8	1.8	841
27	01	1990		*1804	2 41.10	159 56.10	1173.0	7.8	105	0.9	184	7.7	99	SF	0.00 0.00	0			842
27	01	1990		1804	2 41.1	159 56.1	1173.0	7.9	105	0.9	184	7.8	99	c/cs				843	
27	01	1990		1820	2 40.5	159 58.1	1175.1	7.7	105	0.9	184	7.6	99	c/cs				844	
27	01	1990		1830	2 40.2	159 59.4	1176.4	7.6	105	0.9	184	7.5	99	c/cs				845	
27	01	1990		1848	2 39.6	160 1.6	1178.7	7.8	105	0.9	184	7.7	99	c/cs				846	
27	01	1990		1858	2 39.2	160 2.8	1180.0	6.9	105	0.9	184	6.7	98	c/cs				847	
27	01	1990		1900	2 39.2	160 3.1	1180.2	7.7	105	0.9	184	7.6	99	c/cs				848	
27	01	1990		1917	2 38.6	160 5.2	1182.4	7.3	106	0.9	184	7.2	99	c/cs					
27	01	1990		1920	2 38.5	160 5.5	1182.8	7.7	105	0.9	184	7.6	99	c/cs					

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	drift dist	time	no.		
#																			849	
27	01	1990	1950		2 37.5	160 9.2	1186.6	7.6	106	0.9	184	7.5	99	c/cs				850		
27	01	1990	2019		2 36.5	160 12.8	1190.3	7.5	106	0.9	184	7.3	99	c/cs				851		
27	01	1990	2025		2 36.3	160 13.5	1191.0	7.6	107	0.9	184	7.5	100	c/cs				852		
27	01	1990	2036		2 35.9	160 14.9	1192.4	7.2	106	0.9	184	7.1	99	c/cs				853		
27	01	1990	2042		2 35.7	160 15.6	1193.2	7.7	105	0.9	184	7.6	99	c/cs				854		
27	01	1990	*2100		2 35.08	160 17.79	1195.5	7.7	104	0.7	185	7.6	99	GF	0.00	0.00	0	2.5	2.9	855
27	01	1990	2112		2 34.7	160 19.3	1197.0	8.0	104	0.7	185	7.9	99	c/cs				856		
27	01	1990	2118		2 34.5	160 20.1	1197.8	7.7	105	0.7	185	7.6	100	c/cs	0.00	0.00	0	0.4	0.5	857
27	01	1990	*2130		2 34.10	160 21.53	1199.3	7.6	106	0.8	194	7.6	100	GF						858
27	01	1990	2136		2 33.9	160 22.3	1200.1	7.8	111	0.8	194	7.7	105	c/cs						859
27	01	1990	2143		2 33.6	160 23.1	1201.0	7.9	116	0.8	194	7.8	110	c/cs						860
27	01	1990	2143		2 33.1	160 24.1	1202.1	7.6	106	0.8	194	7.6	100	c/cs						861
27	01	1990	2151		2 33.1	160 24.1	1202.1	7.6	106	0.8	194	7.6	100	GF	0.00	0.00	0	0.4	0.5	862
27	01	1990	*2200		2 32.77	160 25.15	1203.2	7.9	111	1.6	185	7.6	100	c/cs						863
27	01	1990	2221		2 31.8	160 27.7	1206.0	7.9	110	1.6	185	7.7	99	GF	0.00	0.00	0	0.8	0.5	864
27	01	1990	*2230		2 31.34	160 28.85	1207.2	8.0	102	0.5	150	7.7	95	c/cs						865
27	01	1990	2238		2 31.1	160 29.9	1208.2	8.0	98	0.5	150	7.6	112	c/cs						866
27	01	1990	2249		2 30.9	160 31.3	1209.7	8.0	114	0.5	150	7.8	142	c/cs						867
27	01	1990	2251		2 30.8	160 31.6	1210.0	8.3	142	0.5	150	8.1	141	c/cs						868
27	01	1990	2253		2 30.6	160 31.8	1210.2	8.6	142	0.5	150	8.0	123	c/cs						869
27	01	1990	2256		2 30.3	160 32.0	1210.7	8.4	124	0.5	150	8.0	123	c/cs						870
27	01	1990	2259		2 30.0	160 32.4	1211.1	8.3	122	0.5	150	7.8	120	c/cs						871
27	01	1990	*2300		2 29.95	160 32.49	1211.2	7.8	131	1.5	217	7.8	120	GF	0.00	0.00	0	0.2	0.5	872
27	01	1990	2302		2 29.8	160 32.7	1211.5	8.1	162	1.5	217	7.4	153	c/cs						873
27	01	1990	2303		2 29.7	160 32.7	1211.6	9.5	184	1.5	217	8.3	178	c/cs						874
27	01	1990	2309		2 28.7	160 32.7	1212.6	8.0	178	1.5	217	6.9	170	c/cs						875
27	01	1990	2309		2 28.7	160 32.7	1212.6	6.4	180	1.5	217	5.3	170	c/cs						876
27	01	1990	2313		2 28.2	160 32.7	1213.1	6.3	180	1.5	217	5.2	170	c/cs						877
27	01	1990	2325		2 26.9	160 32.7	1214.4	6.4	185	1.9	230	5.2	170	GF	0.00	0.00	0	0.7	0.5	878
27	01	1990	*2330		2 26.36	160 32.70	1214.9	6.4	185	1.9	230	5.2	170	c/cs						879
27	01	1990	2335		2 25.8	160 32.7	1215.5	6.5	186	1.9	230	5.3	171	c/cs						880
27	01	1990	2335		2 25.8	160 32.7	1215.5	6.8	195	1.9	230	5.3	183	c/cs						881
27	01	1990	2355		2 23.7	160 32.4	1217.6	6.7	177	1.9	230	5.8	161	c/cs						882
27	01	1990	2358		2 23.4	160 32.3	1217.9	6.7	177	1.9	230	5.8	161	c/cs						883
27	01	1990	2358		2 23.4	160 32.3	1218.1	5.9	154	1.9	230	5.8	135	c/cs						884
27	01	1990	2359		2 23.2	160 32.3	1218.1	5.9	154	1.9	230	5.8	135	GF	0.00	0.00	0	1.0	0.5	885
28	01	1990	*0000		2 23.16	160 32.39	1218.2	6.7	137	1.0	150	5.8	135	c/cs						886
28	01	1990	0000		2 23.2	160 32.4	1218.2	5.5	101	1.0	150	4.9	93	c/cs						887
28	01	1990	0000		2 23.2	160 32.4	1218.2	5.2	74	1.0	150	5.0	63	c/cs						888
28	01	1990	0002		2 23.1	160 32.6	1218.3	5.2	74	1.0	150	5.0	63	c/cs						889
28	01	1990	0006		2 23.1	160 32.6	1218.3	6.4	67	1.0	150	6.3	58	c/cs						890
28	01	1990	0012		2 23.2	160 32.9	1218.7	6.4	67	1.0	150	6.3	58	c/cs						891
28	01	1990	0018		2 23.5	160 33.5	1219.3	6.8	92	1.0	150	6.4	85	c/cs						892
28	01	1990	0024		2 23.4	160 34.2	1220.0	7.5	98	1.0	150	6.9	92	c/cs						893
28	01	1990	0028		2 23.3	160 34.9	1220.7	7.8	109	1.0	150	7.1	104	c/cs						894
28	01	1990	0028		2 23.2	160 35.4	1221.3	7.2	88	1.0	150	6.8	81	c/cs						895
28	01	1990	0029		2 23.2	160 35.5	1221.4	5.4	51	1.0	150	5.7	41	c/cs						896
28	01	1990	*0030		2 23.23	160 35.59	1221.5	5.7	35	0.6	313	5.7	41	GF	0.00	0.00	0	0.5	0.5	897
28	01	1990	0031		2 23.3	160 35.6	1221.6	5.7	35	0.6	313	5.7	41	c/cs						898
28	01	1990	0036		2 23.3	160 35.6	1221.6	6.0	23	0.6	313	5.8	29	c/cs						899
28	01	1990	0044		2 23.8	160 35.8	1222.1	6.4	17	0.6	313	6.1	22	c/cs						900
28	01	1990	0047		2 23.8	160 35.8	1222.1	6.4	17	0.6	313	6.1	22	c/cs						901
28	01	1990	0053		2 24.6	160 36.1	1222.9	6.0	6	0.6	313	5.7	11	c/cs						902
28	01	1990	0053		2 24.6	160 36.1	1222.9	6.6	353	0.6	313	6.1	357	c/cs						903
28	01	1990	0057		2 24.9	160 36.1	1223.2	6.6	353	0.6	313	6.1	357	c/cs						904
28	01	1990	0057		2 25.5	160 36.0	1223.9	6.9	340	0.6	313	6.4	343	c/cs						905
28	01	1990	0055		2 25.7	160 36.0	1224.1	7.0	312	0.6	313	6.4	312	c/cs						906
28	01	1990	0057		2 25.9	160 35.8	1224.3	7.0	284	0.6	313	6.5	281	c/cs						907
28	01	1990	0059		2 26.0	160 35.6	1224.6	6.6	277	0.6	313	6.1	274	c/cs						908
28	01	1990	*0100		2 25.97	160 35.46	1224.7	6.8	261	1.6	204	6.1	274	GF	0.00	0.00	0	0.3	0.5	909
28	01	1990	0109		2 25.8	160 34.4	1225.7	6.6	263	1.6	204	6.0	276	c/cs						910
28	01	1990	0126		2 25.6	160 32.6	1227.6	6.3	262	1.6	204	5.6	276	c/cs						911

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	had	dr speed	cse	cmnt	prob. error (smajxsmi@az)	drift dist	time	no.		
#																				
28	01	1990	0134		2 25.5	160 31.7	1228.4	6.2	263	1.6	204	5.6	277	c/cs					902	
28	01	1990	0200		2 25.1	160 29.1	1231.1	3.8	90	1.6	204	4.7	72	c/cs					903	
28	01	1990	0230		2 25.1	160 31.0	1233.0	1.4	41	1.6	204	2.9	32	c/cs					904	
28	01	1990	0300		2 25.7	160 31.4	1233.7	1.4	56	1.6	204	2.9	39	c/cs					905	
28	01	1990	0330		2 26.1	160 32.0	1234.4	1.4	57	1.6	204	2.9	40	c/cs					906	
28	01	1990	0355		2 26.4	160 32.5	1235.0	1.6	204	1.6	204	0.0	72	c/cs					907	
28	01	1990	*0400		2 26.26	160 32.48	1235.2	0.0	186	0.0	186	0.0	72	803A	0.00	0.00	0	4.7	3.0	908
06	02	1990	*1730		2 25.99	160 32.45	1235.4	2.3	157	2.3	157	0.0	72	803D	0.00	0.00	0	0.3	229.5	909
06	02	1990	1730		2 26.0	160 32.4	1235.4	1.2	150	2.3	157	1.1	343	c/cs						910
06	02	1990	1748		2 25.7	160 32.6	1235.8	13.0	144	2.3	157	10.8	141	c/cs						911
06	02	1990	1804		2 22.9	160 34.7	1239.2	13.7	144	2.3	157	11.5	141	c/cs						912
06	02	1990	1819		2 22.9	160 34.7	1239.2	13.7	144	2.3	157	11.7	142	c/cs						913
06	02	1990	1819		2 20.2	160 36.7	1242.6	13.9	144	2.3	157	11.7	142	c/cs						914
06	02	1990	1824		2 19.2	160 37.4	1243.8	13.0	145	2.3	157	10.8	142	c/cs						915
06	02	1990	1824		2 18.9	160 37.6	1244.2	14.0	144	2.3	157	11.8	142	c/cs						916
06	02	1990	1826		2 18.9	160 37.6	1244.2	13.9	144	2.3	157	11.7	142	c/cs						917
06	02	1990	1836		2 17.0	160 39.0	1246.6	13.9	144	2.3	157	11.7	142	c/cs						918
06	02	1990	1855		2 13.4	160 41.6	1251.0	14.2	145	2.3	157	12.0	143	c/cs						919
06	02	1990	1857		2 13.4	160 41.6	1251.0	14.2	144	2.3	157	12.0	142	c/cs						920
06	02	1990	1857		2 13.0	160 41.8	1251.4	14.2	144	2.3	157	12.0	142	c/cs						921
06	02	1990	1927		2 7.2	160 46.0	1258.5	14.3	143	2.3	157	12.1	141	c/cs						922
06	02	1990	1944		2 4.0	160 48.4	1262.6	14.3	143	2.3	157	12.1	141	c/cs						923
06	02	1990	2014		1 58.2	160 52.7	1269.8	14.3	143	2.3	157	12.1	141	c/cs						924
06	02	1990	*2030		1 58.2	160 52.7	1269.8	14.3	143	2.3	157	12.1	141	GF	0.00	0.00	0	6.8	3.0	925
06	02	1990	*2030		1 55.17	160 54.94	1273.6	15.0	144	3.0	155	12.1	141	GF	0.00	0.00	0	0.2	0.1	926
06	02	1990	*2035		1 54.16	160 55.68	1274.8	14.1	143	2.0	158	12.1	141	GF	0.00	0.00	0	0.2	0.1	927
06	02	1990	*2035		1 54.16	160 55.68	1274.8	14.1	143	2.0	158	12.1	141	GF	0.00	0.00	0	0.2	0.1	928
06	02	1990	*2040		1 53.22	160 56.38	1276.0	14.0	143	1.9	156	12.1	141	GF	0.00	0.00	0	0.2	0.1	929
06	02	1990	*2040		1 53.22	160 56.38	1276.0	14.0	143	1.9	156	12.1	141	c/cs						930
06	02	1990	2044		1 52.5	160 56.9	1276.9	14.0	143	1.9	156	12.2	141	c/cs						931
06	02	1990	*2045		1 52.29	160 57.08	1277.2	14.1	143	1.9	159	12.2	141	GF	0.00	0.00	0	0.2	0.1	932
06	02	1990	*2045		1 52.29	160 57.08	1277.2	14.1	143	1.9	159	12.2	141	GF	0.00	0.00	0	0.2	0.1	933
06	02	1990	*2050		1 51.35	160 57.78	1278.3	13.4	143	1.3	167	12.2	141	GF	0.00	0.00	0	0.2	0.2	934
06	02	1990	*2050		1 51.35	160 57.78	1278.3	13.4	143	1.3	167	12.2	141	GF	0.00	0.00	0	0.2	0.2	935
06	02	1990	*2100		1 49.56	160 59.11	1280.6	14.2	143	2.1	157	12.2	141	GF	0.00	0.00	0	0.2	0.2	936
06	02	1990	*2100		1 49.0	160 59.5	1281.3	14.1	143	2.1	157	12.2	140	c/cs						937
06	02	1990	2103		1 49.0	160 59.5	1281.3	14.1	143	2.1	157	12.2	140	GF	0.00	0.00	0	0.3	0.2	938
06	02	1990	*2110		1 47.68	161 0.54	1282.9	13.8	143	1.8	165	12.2	140	GF	0.00	0.00	0	0.3	0.2	939
06	02	1990	*2110		1 47.68	161 0.54	1282.9	13.8	143	1.8	165	12.2	140	c/cs						940
06	02	1990	2111		1 47.5	161 0.7	1283.2	13.8	144	1.8	165	12.2	141	c/cs						941
06	02	1990	*2115		1 46.75	161 1.22	1284.1	13.8	144	1.7	165	12.2	141	GF	0.00	0.00	0	0.1	0.1	942
06	02	1990	*2115		1 46.75	161 1.22	1284.1	13.8	144	1.7	165	12.2	141	GF	0.00	0.00	0	0.1	0.1	943
06	02	1990	*2120		1 45.82	161 1.90	1285.2	13.7	145	1.7	172	12.2	141	GF	0.00	0.00	0	0.1	0.1	944
06	02	1990	*2120		1 45.82	161 1.90	1285.2	13.7	145	1.7	172	12.2	141	GF	0.00	0.00	0	0.1	0.1	945
06	02	1990	*2125		1 44.89	161 2.56	1286.4	12.8	145	1.0	195	12.2	141	GF	0.00	0.00	0	0.1	0.1	946
06	02	1990	*2125		1 44.89	161 2.56	1286.4	12.8	145	1.0	195	12.2	141	GF	0.00	0.00	0	0.1	0.1	947
06	02	1990	*2130		1 44.02	161 3.18	1287.4	14.4	144	2.3	163	12.2	141	GF	0.00	0.00	0	0.1	0.1	948
06	02	1990	*2130		1 44.02	161 3.18	1287.4	14.4	144	2.3	163	12.2	141	GF	0.00	0.00	0	0.1	0.1	949
06	02	1990	2133		1 43.4	161 3.6	1288.2	14.5	144	2.3	163	12.3	141	c/cs						950
06	02	1990	*2140		1 42.06	161 4.58	1289.8	13.8	144	1.7	165	12.3	141	GF	0.00	0.00	0	0.4	0.2	951
06	02	1990	*2140		1 42.06	161 4.58	1289.8	13.8	144	1.7	165	12.3	141	GF	0.00	0.00	0	0.4	0.2	952
06	02	1990	*2145		1 41.13	161 5.26	1291.0	14.0	144	1.9	167	12.3	141	GF	0.00	0.00	0	0.1	0.1	953
06	02	1990	*2145		1 41.13	161 5.26	1291.0	14.0	144	1.9	167	12.3	141	GF	0.00	0.00	0	0.2	0.1	954
06	02	1990	*2150		1 40.18	161 5.94	1292.2	13.3	143	1.2	167	12.3	141	GF	0.00	0.00	0	0.2	0.2	955
06	02	1990	*2150		1 40.18	161 5.94	1292.2	13.3	143	1.2	167	12.3	141	GF	0.00	0.00	0	0.2	0.2	956
06	02	1990	*2200		1 38.40	161 7.27	1294.4	14.5	143	2.3	156	12.3	141	GF	0.00	0.00	0	0.2	0.2	957
06	02	1990	*2200		1 38.40	161 7.27	1294.4	14.5	143	2.3	156	12.2	141	c/cs						958
06	02	1990	2203		1 37.8	161 7.7	1295.1	14.5	143	2.3	156	12.2	141	c/cs						959
06	02	1990	*2210		1 37.8	161 7.7	1295.1	14.5	143	2.3	156	12.2	141	GF	0.00	0.00	0	0.4	0.2	960
06	02	1990	*2210		1 36.46	161 8.71	1296.8	13.9	143	1.7	161	12.2	141	GF	0.00	0.00	0	0.4	0.2	961
06	02	1990	*2210		1 36.46	161 8.71	1296.8	13.9	143	1.7	161	12.2	141	GF	0.00	0.00	0	0.1	0.1	962
06	02	1990	*2215		1 35.53	161 9.40	1298.0	13.9	145	1.8	169	12.2	141	GF	0.00	0.00	0	0.1	0.1	963
06	02	1990	*2215		1 35.53	161 9.40	1298.0	13.9	145	1.8	169	12.2	141	GF	0.00	0.00	0	0.1	0.1	964
06	02	1990	*2220		1 34.59	161 10.07	1299.1	13.4	144	1.3	174	12.2	141	GF	0.00	0.00	0	0.1	0.1	965
06	02	1990	*2220		1 34.59	161 10.07	1299.1	13.4	144	1.3	174	12.2	141	c/cs						966
06	02	1990	2223		1 34.0	161 10.5	1299.8	13.4	144	1.3	174	12.2	141	c/cs						967
06	02	1990	*2230		1 32.79	161 11.38	1301.3	14.5	144	2.4	160	12.2	141	GF	0.00	0.00	0	0.2	0.2	968
06	02	1990	*2230		1 32.79	161 11.38	1301.3	14.5	144	2.4	160	12.2	141	GF	0.00	0.00	0	0.4	0.2	969
06	02	1990	*2240		1 30.83	161 12.80	1303.8	13.8	144	1.7	165	12.2	141	GF	0.00	0.00	0	0.1	0.1	970
06	02	1990	*2240		1 30.83	161 12.80	1303.8	13.8	144	1.7	165	12.2	141	GF						

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmineaz)	drift dist	time	no.	
#																			
06	02	1990	*2320		1 23.32	161 18.29	1313.1	13.9	143	1.7	159	12.3	141	GF	0.00 0.00 0	0.2	0.1	955	
																			956
06	02	1990	2322		1 22.9	161 18.6	1313.5	14.0	143	1.7	159	12.4	141	c/cs				957	
06	02	1990	*2335		1 20.52	161 20.39	1316.6	14.0	143	1.7	155	12.4	141	GF	0.00 0.00 0	0.4	0.2	958	
06	02	1990	*2340		1 19.59	161 21.10	1317.7	13.9	142	1.6	153	12.4	141	GF	0.00 0.00 0	0.1	0.1	959	
06	02	1990	*2345		1 18.67	161 21.81	1318.9	13.8	143	1.5	156	12.4	141	GF	0.00 0.00 0	0.1	0.1	960	
06	02	1990	2349		1 17.9	161 22.4	1319.8	13.7	142	1.5	156	12.3	140	c/cs				961	
06	02	1990	*2350		1 17.76	161 22.51	1320.0	13.3	143	1.2	176	12.3	140	GF	0.00 0.00 0	0.1	0.1	962	
07	02	1990	*0000		1 15.99	161 23.84	1322.3	14.3	142	2.1	155	12.3	140	GF	0.00 0.00 0	0.2	0.2	963	
07	02	1990	0000		1 16.0	161 23.8	1322.3	14.3	142	2.1	155	12.3	140	c/cs				964	
07	02	1990	0008		1 14.5	161 25.0	1324.2	14.1	142	2.1	155	12.1	140	c/cs				965	
07	02	1990	*0010		1 14.11	161 25.30	1324.6	13.4	143	1.4	165	12.1	140	GF	0.00 0.00 0	0.3	0.2	966	
07	02	1990	*0015		1 13.22	161 25.98	1325.8	13.7	142	1.7	158	12.1	140	GF	0.00 0.00 0	0.1	0.1	967	
07	02	1990	0017		1 13.22	161 25.98	1325.8	13.7	142	1.7	158	12.1	140	c/cs				968	
07	02	1990	*0020		1 12.9	161 26.3	1326.2	13.4	142	1.7	158	11.7	140	c/cs				969	
07	02	1990	0020		1 12.33	161 26.67	1326.9	12.3	142	0.6	174	11.7	140	GF	0.00 0.00 0	0.1	0.1	968	
07	02	1990	0023		1 11.8	161 27.1	1327.5	9.4	140	0.6	174	8.8	138	c/cs				970	
07	02	1990	0026		1 11.5	161 27.3	1328.0	7.9	143	0.6	174	7.4	140	c/cs				971	
07	02	1990	*0030		1 11.07	161 27.67	1328.5	9.2	143	1.8	155	7.4	140	GF	0.00 0.00 0	0.1	0.2	972	
07	02	1990	*0035		1 10.46	161 28.13	1329.3	8.4	141	1.1	152	7.4	140	GF	0.00 0.00 0	0.2	0.1	973	
07	02	1990	0035		1 10.5	161 28.1	1329.3	8.2	143	1.1	152	7.2	142	c/cs				974	
07	02	1990	*0040		1 9.91	161 28.54	1329.9	8.3	143	1.1	147	7.2	142	GF	0.00 0.00 0	0.1	0.1	975	
07	02	1990	*0045		1 9.36	161 28.96	1330.6	8.4	144	1.2	157	7.2	142	GF	0.00 0.00 0	0.1	0.1	976	
07	02	1990	0047		1 9.1	161 29.1	1330.9	8.4	142	1.2	157	7.2	140	c/cs				977	
07	02	1990	*0050		1 8.80	161 29.38	1331.3	8.0	143	0.8	170	7.2	140	GF	0.00 0.00 0	0.1	0.1	978	
07	02	1990	*0100		1 7.74	161 30.18	1332.7	9.6	142	2.3	149	7.2	140	GF	0.00 0.00 0	0.1	0.2	979	
07	02	1990	*0105		1 7.11	161 30.67	1333.5	8.6	143	1.4	159	7.2	140	GF	0.00 0.00 0	0.2	0.1	979	
07	02	1990	*0110		1 6.54	161 31.10	1334.2	8.4	143	1.2	162	7.2	140	GF	0.00 0.00 0	0.1	0.1	980	
07	02	1990	*0115		1 5.98	161 31.52	1334.9	8.6	143	1.4	159	7.2	140	GF	0.00 0.00 0	0.1	0.1	981	
07	02	1990	*0120		1 5.41	161 31.95	1335.6	8.6	144	1.4	163	7.2	140	GF	0.00 0.00 0	0.1	0.1	982	
07	02	1990	0120		1 5.4	161 32.0	1335.6	8.5	140	1.4	163	7.2	135	c/cs				983	
07	02	1990	*0125		1 4.87	161 32.41	1336.3	8.4	139	1.3	163	7.2	135	GF	0.00 0.00 0	0.1	0.1	984	
07	02	1990	0130		1 4.3	161 32.9	1337.0	8.4	138	1.3	163	7.2	134	c/cs				985	
07	02	1990	*0135		1 3.82	161 33.33	1337.7	8.5	138	1.5	161	7.2	134	GF	0.00 0.00 0	0.2	0.2	986	
07	02	1990	*0140		1 3.29	161 33.80	1338.4	8.7	138	1.6	158	7.2	134	GF	0.00 0.00 0	0.1	0.1	987	
07	02	1990	*0145		1 2.75	161 34.28	1339.1	8.6	139	1.6	162	7.2	134	GF	0.00 0.00 0	0.1	0.1	988	
07	02	1990	*0150		1 2.21	161 34.75	1339.8	9.0	128	2.0	106	7.2	134	GF	0.00 0.00 0	0.1	0.1	989	
07	02	1990	0155		1 1.7	161 35.3	1340.6	7.9	166	2.0	106	7.1	180	c/cs				990	
07	02	1990	*0205		1 0.47	161 35.65	1341.9	8.9	174	2.0	151	7.1	180	GF	0.00 0.00 0	0.5	0.2	991	
07	02	1990	*0210		0 59.73	161 35.73	1342.6	8.8	175	1.8	156	7.1	180	GF	0.00 0.00 0	0.2	0.1	992	
07	02	1990	*0215		0 59.00	161 35.79	1343.4	8.8	178	1.7	172	7.1	180	GF	0.00 0.00 0	0.1	0.1	993	
07	02	1990	*0220		0 58.27	161 35.81	1344.1	8.9	182	1.8	188	7.1	180	GF	0.00 0.00 0	0.1	0.1	994	
07	02	1990	*0225		0 57.53	161 35.79	1344.8	7.2	180	0.1	203	7.1	180	GF	0.00 0.00 0	0.1	0.1	995	
07	02	1990	0228		0 57.2	161 35.8	1345.2	7.2	179	0.1	203	7.1	179	c/cs				996	
07	02	1990	*0230		0 56.93	161 35.79	1345.4	8.9	179	1.8	178	7.1	179	GF	0.00 0.00 0	0.0	0.1	997	
07	02	1990	*0236		0 56.04	161 35.81	1346.3	8.8	177	1.7	171	7.1	179	GF	0.00 0.00 0	0.2	0.1	998	
07	02	1990	0238		0 55.7	161 35.8	1346.6	8.9	179	1.7	171	7.2	181	c/cs				999	
07	02	1990	*0241		0 55.30	161 35.83	1347.1	9.0	182	1.8	188	7.2	181	GF	0.00 0.00 0	0.1	0.1	1000	
07	02	1990	*0246		0 54.55	161 35.80	1347.8	8.5	181	1.3	182	7.2	181	GF	0.00 0.00 0	0.2	0.1	1001	
07	02	1990	0250		0 54.0	161 35.8	1348.4	8.0	179	1.3	182	6.7	179	c/cs				1002	
07	02	1990	*0251		0 53.85	161 35.79	1348.5	8.0	180	1.4	185	6.7	179	GF	0.00 0.00 0	0.1	0.1	1003	
07	02	1990	*0256		0 53.18	161 35.79	1349.2	8.1	181	1.4	191	6.7	179	GF	0.00 0.00 0	0.1	0.1	1004	
07	02	1990	*0300		0 52.64	161 35.78	1349.7	8.4	176	1.8	164	6.7	179	GF	0.00 0.00 0	0.1	0.1	1005	
07	02	1990	*0301		0 52.50	161 35.79	1349.9	8.4	178	1.7	176	6.7	179	GF	0.00 0.00 0	0.0	0.0	1006	
07	02	1990	*0306		0 51.80	161 35.81	1350.6	8.5	180	1.8	183	6.7	179	GF	0.00 0.00 0	0.1	0.1	1007	

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmine@az)	drift dist	time	no.	
#																			1008
07	02	1990		0307	0 51.7	161 35.8	1350.7	8.8	179	1.8	183	7.1	178	c/cs					1009
07	02	1990		*0311	0 51.07	161 35.82	1351.3	8.7	179	1.6	182	7.1	178	GF	0.00	0.00	0	0.1	1010
07	02	1990		0313	0 50.8	161 35.8	1351.6	8.8	163	1.6	182	7.3	159	c/cs					1011
07	02	1990		0314	0 50.6	161 35.9	1351.7	7.7	141	1.6	182	6.6	132	c/cs					1012
07	02	1990		*0316	0 50.44	161 36.03	1352.0	7.4	137	1.0	170	6.6	132	GF	0.00	0.00	0	0.1	1013
07	02	1990		0316	0 50.4	161 36.0	1352.0	6.7	111	1.0	170	6.3	103	c/cs					1014
07	02	1990		0318	0 50.4	161 36.2	1352.2	6.7	97	1.0	170	6.5	89	c/cs					1015
07	02	1990		*0321	0 50.32	161 36.57	1352.6	7.3	97	1.3	144	6.5	89	GF	0.00	0.00	0	0.1	1016
07	02	1990		0325	0 50.3	161 37.1	1353.0	7.8	94	1.3	144	7.0	86	c/cs					1017
07	02	1990		*0330	0 50.21	161 37.70	1353.7	8.5	93	1.7	124	7.0	86	GF	0.00	0.00	0	0.2	1018
07	02	1990		0330	0 50.2	161 37.7	1353.7	8.4	90	1.7	124	7.1	82	c/cs					1019
07	02	1990		*0331	0 50.21	161 37.84	1353.8	7.7	89	1.1	141	7.1	82	GF	0.00	0.00	0	0.0	1020
07	02	1990		*0336	0 50.22	161 38.48	1354.5	7.8	91	1.4	144	7.1	82	GF	0.00	0.00	0	0.1	1021
07	02	1990		*0341	0 50.21	161 39.13	1355.1	7.5	89	1.0	149	7.1	82	GF	0.00	0.00	0	0.1	1022
07	02	1990		0345	0 50.2	161 39.6	1355.6	6.6	69	1.0	149	6.5	61	c/cs					1023
07	02	1990		*0346	0 50.26	161 39.73	1355.7	7.1	68	1.0	123	6.5	61	GF	0.00	0.00	0	0.1	1024
07	02	1990		0346	0 50.3	161 39.7	1355.7	6.2	43	1.0	123	6.1	33	c/cs					1025
07	02	1990		0348	0 50.4	161 39.9	1355.9	5.2	8	1.0	123	5.7	359	c/cs					1026
07	02	1990		*0351	0 50.67	161 39.91	1356.2	5.8	1	0.2	78	5.7	359	GF	0.00	0.00	0	0.1	1027
07	02	1990		0351	0 50.7	161 39.9	1356.2	6.4	359	0.2	78	6.3	357	c/cs					1028
07	02	1990		*0356	0 51.20	161 39.90	1356.7	6.2	6	0.9	100	6.3	357	GF	0.00	0.00	0	0.0	1029
07	02	1990		*0400	0 51.61	161 39.94	1357.1	6.9	5	1.0	59	6.3	357	GF	0.00	0.00	0	0.1	1030
07	02	1990		0402	0 51.8	161 40.0	1357.4	7.7	5	1.0	59	7.2	358	c/cs					1031
07	02	1990		*0406	0 52.35	161 40.00	1357.9	7.5	2	0.6	54	7.2	358	GF	0.00	0.00	0	0.1	1032
07	02	1990		0409	0 52.7	161 40.0	1358.3	7.9	360	0.6	54	7.6	356	c/cs					1033
07	02	1990		*0411	0 52.99	161 40.01	1358.5	7.8	2	0.8	73	7.6	356	GF	0.00	0.00	0	0.0	1034
07	02	1990		*0416	0 53.64	161 40.03	1359.2	7.9	1	0.7	62	7.6	356	GF	0.00	0.00	0	0.1	1035
07	02	1990		*0421	0 54.30	161 40.04	1359.8	7.5	0	0.5	94	7.6	356	GF	0.00	0.00	0	0.1	1036
07	02	1990		*0430	0 55.43	161 40.04	1361.0	8.3	0	0.9	36	7.6	356	GF	0.00	0.00	0	0.2	1037
07	02	1990		*0436	0 56.26	161 40.04	1361.8	7.7	358	0.3	59	7.6	356	GF	0.00	0.00	0	0.1	1038
07	02	1990		0439	0 56.6	161 40.0	1362.2	7.9	359	0.3	59	7.8	357	c/cs					1039
07	02	1990		*0441	0 56.91	161 40.02	1362.4	7.8	1	0.5	85	7.8	357	GF	0.00	0.00	0	0.0	1040
07	02	1990		*0446	0 57.56	161 40.03	1363.1	7.8	0	0.4	84	7.8	357	GF	0.00	0.00	0	0.0	1041
07	02	1990		*0451	0 58.21	161 40.03	1363.7	7.7	1	0.6	94	7.8	357	GF	0.00	0.00	0	0.0	1042
07	02	1990		0451	0 58.2	161 40.0	1363.7	7.9	0	0.6	94	8.0	356	c/cs					1043
07	02	1990		0458	0 59.1	161 40.0	1364.7	7.7	359	0.6	94	7.8	355	c/cs					1044
07	02	1990		*0500	0 59.39	161 40.03	1364.9	8.4	359	0.8	38	7.8	355	GF	0.00	0.00	0	0.1	1045
07	02	1990		0505	1 0.1	161 40.0	1365.6	8.0	336	0.8	38	7.7	331	c/cs					1046
07	02	1990		*0506	1 0.21	161 39.96	1365.8	7.3	324	1.0	217	7.7	331	GF	0.00	0.00	0	0.1	1047
07	02	1990		0506	1 0.2	161 40.0	1365.8	7.0	277	1.0	217	6.5	285	c/cs					1048
07	02	1990		0508	1 0.2	161 39.7	1366.0	8.4	270	1.0	217	7.8	276	c/cs					1049
07	02	1990		*0511	1 0.24	161 39.31	1366.4	8.4	275	0.6	261	7.8	276	GF	0.00	0.00	0	0.1	1050
07	02	1990		*0516	1 0.30	161 38.61	1367.1	8.8	268	1.5	222	7.8	276	GF	0.00	0.00	0	0.1	1051
07	02	1990		0517	1 0.3	161 38.5	1367.3	9.1	267	1.5	222	8.1	274	c/cs					1052
07	02	1990		*0521	1 0.26	161 37.86	1367.9	8.3	271	0.5	212	8.1	274	GF	0.00	0.00	0	0.1	1053
07	02	1990		0523	1 0.3	161 37.6	1368.1	8.0	272	0.5	212	7.8	275	c/cs					1054
07	02	1990		*0530	1 0.30	161 36.65	1369.1	9.2	269	1.6	242	7.8	275	GF	0.00	0.00	0	0.1	1055
07	02	1990		*0536	1 0.29	161 35.73	1370.0	8.3	270	0.9	218	7.8	275	GF	0.00	0.00	0	0.2	1056
07	02	1990		*0541	1 0.29	161 35.04	1370.7	8.6	270	1.1	228	7.8	275	GF	0.00	0.00	0	0.1	1057
07	02	1990		*0551	1 0.28	161 33.61	1372.1	8.5	269	1.0	223	7.8	275	GF	0.00	0.00	0	0.2	1058
07	02	1990		0553	1 0.3	161 33.3	1372.4	8.3	270	1.0	223	7.7	276	c/cs					1059
07	02	1990		*0556	1 0.28	161 32.91	1372.8	7.2	271	0.8	147	7.7	276	GF	0.00	0.00	0	0.1	1060
07	02	1990		*0600	1 0.29	161 32.43	1373.3	9.3	273	1.7	257	7.7	276	GF	0.00	0.00	0	0.1	1060

#cruise ODP130JR

#	#da	mo	yr	time	latitude	longitude	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.			
#					deg	deg															
					min	min															
07	02	1990	0604		1	0.3	161 31.8	1373.9	9.4	274	1.7	257	7.8	278	c/cs				1061		
07	02	1990	0605		1	0.3	161 31.7	1374.1	9.5	274	1.7	257	7.9	277	c/cs				1062		
07	02	1990	*0606		1	0.34	161 31.50	1374.2	7.9	272	0.7	188	7.9	277	GF	0.00	0.00	0	0.2	0.1	1063
07	02	1990	*0611		1	0.36	161 30.84	1374.9	6.9	282	1.2	66	7.9	277	GF	0.00	0.00	0	0.1	0.1	1064
07	02	1990	*0616		1	0.48	161 30.28	1375.5	2.6	152	9.6	110	7.9	277	GF	0.00	0.00	0	0.1	0.1	1065
07	02	1990	*0621		1	0.29	161 30.38	1375.7	10.2	91	18.0	93	7.9	277	GF	0.00	0.00	0	0.8	0.1	1066
07	02	1990	*0634		1	0.26	161 32.58	1377.9	7.0	89	14.8	93	7.9	277	GF	0.00	0.00	0	3.9	0.2	1067
07	02	1990	*0700		1	0.29	161 35.62	1380.9	7.9	277	0.0	0	7.9	277	804	0.00	0.00	0	6.4	0.4	1068
07	02	1990	0700		1	0.3	161 35.6	1380.9	0.0	0	0.0	0	0.0	276	c/cs						1069
07	02	1990	*1011		1	0.29	161 35.62	1380.9	0.1	152	0.1	152	0.0	276	804	0.00	0.00	0	0.0	75.2	1070
10	02	1990	1112		1	0.2	161 35.7	1381.0	0.0	339	0.1	152	0.1	333	c/cs						1071
10	02	1990	1134		1	0.2	161 35.7	1381.0	0.1	332	0.1	152	0.3	332	c/cs						1072
10	02	1990	1159		1	0.2	161 35.6	1381.1	1.7	288	0.1	152	1.8	291	c/cs						1073
10	02	1990	*1200		1	0.25	161 35.62	1381.1	2.7	256	1.6	216	1.8	291	804	0.00	0.00	0	0.2	1.8	1074
10	02	1990	1202		1	0.2	161 35.5	1381.2	4.7	224	1.6	216	3.1	228	c/cs						1075
10	02	1990	1206		1	0.0	161 35.3	1381.5	6.1	223	1.6	216	4.5	225	c/cs						1076
10	02	1990	1211		0	59.6	161 35.0	1382.0	7.7	222	1.6	216	6.1	224	c/cs						1077
10	02	1990	1220		0	58.8	161 34.2	1383.2	8.7	223	1.6	216	7.1	224	c/cs						1078
10	02	1990	1231		0	57.6	161 33.1	1384.8	8.5	218	1.6	216	6.9	219	c/cs						1079
10	02	1990	1233		0	57.4	161 32.9	1385.1	8.7	224	1.6	216	7.1	226	c/cs						1080
10	02	1990	1245		0	56.1	161 31.7	1386.8	8.9	213	1.6	216	7.3	212	c/cs						1081
10	02	1990	1247		0	55.9	161 31.5	1387.1	8.2	183	1.6	216	6.9	176	c/cs						1082
10	02	1990	1248		0	55.7	161 31.5	1387.3	5.7	162	1.6	216	4.9	147	c/cs						1083
10	02	1990	1249		0	55.6	161 31.6	1387.4	6.3	133	1.6	216	6.3	118	c/cs						1084
10	02	1990	1250		0	55.6	161 31.6	1387.5	5.3	101	1.6	216	6.2	87	c/cs						1085
10	02	1990	*1254		0	55.50	161 32.00	1387.8	6.3	90	0.4	159	6.2	87	SF	0.00	0.00	0	1.5	0.9	1086
10	02	1990	1255		0	55.5	161 32.1	1387.9	7.3	91	0.4	159	7.2	88	c/cs						1087
10	02	1990	1325		0	55.5	161 35.8	1391.6	7.5	91	0.4	159	7.3	88	c/cs						1088
10	02	1990	1343		0	55.4	161 38.0	1393.8	7.4	87	0.4	159	7.3	84	c/cs						1089
10	02	1990	1348		0	55.5	161 38.6	1394.4	6.2	53	0.4	159	6.4	50	c/cs						1090
10	02	1990	1349		0	55.5	161 38.7	1394.6	5.9	27	0.4	159	6.2	24	c/cs						1091
10	02	1990	1350		0	55.6	161 38.7	1394.6	5.4	0	0.4	159	5.7	359	c/cs						1092
10	02	1990	1351		0	55.7	161 38.7	1394.7	5.2	319	0.4	159	5.6	320	c/cs						1093
10	02	1990	1356		0	56.0	161 38.5	1395.2	6.1	315	0.4	159	6.5	316	c/cs						1094
10	02	1990	1405		0	56.7	161 37.8	1396.1	6.1	312	0.4	159	6.4	314	c/cs						1095
10	02	1990	1424		0	58.0	161 36.4	1398.0	6.2	311	0.4	159	6.6	313	c/cs						1096
10	02	1990	1444		0	59.3	161 34.8	1400.1	6.0	310	0.4	159	6.4	312	c/cs						1097
10	02	1990	1451		0	59.8	161 34.3	1400.8	6.4	299	0.4	159	6.7	301	c/cs						1098
10	02	1990	1453		0	59.9	161 34.1	1401.0	6.1	259	0.4	159	6.1	262	c/cs						1099
10	02	1990	1456		0	59.8	161 33.8	1401.3	6.2	278	0.4	159	6.4	281	c/cs						1100
10	02	1990	*1500		0	59.90	161 33.40	1401.7	7.7	278	1.3	265	6.4	281	SF	0.00	0.00	0	0.8	2.1	1101
10	02	1990	1500		0	59.9	161 33.4	1401.7	8.4	275	1.3	265	7.2	277	c/cs						1102
10	02	1990	1507		0	60.0	161 32.4	1402.7	9.0	276	1.3	265	7.8	278	c/cs						1103
10	02	1990	1523		1	0.2	161 30.0	1405.1	8.6	277	1.3	265	7.3	279	c/cs						1104
10	02	1990	1529		1	0.3	161 29.2	1406.0	8.8	277	1.3	265	7.5	279	c/cs						1105
10	02	1990	1559		1	0.9	161 24.8	1410.4	8.9	276	1.3	265	7.7	278	c/cs						1106
10	02	1990	1622		1	1.2	161 21.4	1413.8	8.7	277	1.3	265	7.5	279	c/cs						1107
10	02	1990	*1631		1	1.40	161 20.10	1415.1	8.4	277	1.0	260	7.5	279	SF	0.00	0.00	0	2.0	1.5	1108
10	02	1990	1633		1	1.4	161 19.8	1415.4	8.6	277	1.0	260	7.6	279	c/cs						1109
10	02	1990	1649		1	1.7	161 17.6	1417.7	7.8	279	1.0	260	6.9	282	c/cs						1110
10	02	1990	1711		1	2.2	161 14.7	1420.5	7.3	279	1.0	260	6.4	282	c/cs						1111
10	02	1990	1741		1	2.7	161 11.1	1424.2	7.3	280	1.0	260	6.4	283	c/cs						1112
10	02	1990	1811		1	3.4	161 7.5	1427.9	7.4	280	1.0	260	6.4	283	c/cs						1113

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
																		1114	
																		1115	
10	02	1990	1835		1 3.9	161 4.6	1430.8	7.7	281	1.0	260	6.8	284	c/cs				1116	
10	02	1990	1904		1 4.6	161 0.9	1434.6	7.8	279	1.0	260	6.9	282	c/cs				1117	
10	02	1990	1911		1 4.8	160 60.0	1435.5	7.6	280	1.0	260	6.7	283	c/cs				1118	
10	02	1990	1918		1 4.8	160 59.1	1436.4	7.8	279	1.0	260	6.8	282	c/cs				1119	
10	02	1990	1943		1 4.9	160 59.1	1439.6	7.4	278	1.0	260	6.4	281	c/cs				1120	
10	02	1990	1946		1 5.4	160 55.9	1440.0	7.8	278	1.0	260	6.9	281	c/cs				1121	
10	02	1990	*2008		1 5.5	160 55.6	1440.0	7.7	280	0.8	270	6.9	281	GF	0.00 0.00	0	3.6	3.6	1122
10	02	1990	*2013		1 5.90	160 52.71	1442.9	7.5	280	0.7	270	6.9	281	GF	0.00 0.00	0	0.1	0.1	1123
10	02	1990	2016		1 6.01	160 52.08	1443.5	7.6	280	0.7	270	6.9	281	c/cs				1124	
10	02	1990	*2018		1 6.1	160 51.7	1443.9	7.6	280	0.7	270	6.9	281	GF	0.00 0.00	0	0.1	0.1	1125
10	02	1990	*2023		1 6.12	160 51.46	1444.1	7.8	279	0.9	262	6.9	281	GF	0.00 0.00	0	0.1	0.1	1126
10	02	1990	2029		1 6.22	160 50.82	1444.8	6.7	280	0.2	129	7.9	281	c/cs				1127	
10	02	1990	*2030		1 6.3	160 50.2	1445.5	7.7	280	0.2	129	7.9	281	GF	0.00 0.00	0	0.0	0.1	1128
10	02	1990	2038		1 6.36	160 50.03	1445.6	8.8	279	0.9	266	7.9	281	c/cs				1129	
10	02	1990	*2044		1 6.6	160 48.9	1446.8	9.4	280	0.9	266	8.5	281	GF	0.00 0.00	0	0.2	0.2	1130
10	02	1990	*2049		1 6.71	160 47.94	1447.7	9.4	280	0.9	266	8.5	281	GF	0.00 0.00	0	0.1	0.1	1131
10	02	1990	*2054		1 6.84	160 47.17	1448.5	9.5	280	1.0	273	8.5	281	GF	0.00 0.00	0	0.1	0.1	1132
10	02	1990	2057		1 6.98	160 46.39	1449.3	9.6	280	1.1	273	8.5	281	GF	0.00 0.00	0	0.1	0.1	1133
10	02	1990	*2100		1 7.1	160 45.9	1449.8	10.2	282	1.1	273	9.1	283	c/cs				1134	
10	02	1990	*2104		1 7.17	160 45.42	1450.3	10.3	283	1.2	287	9.1	283	GF	0.00 0.00	0	0.1	0.1	1135
10	02	1990	*2109		1 7.33	160 44.75	1451.0	10.2	283	1.1	282	9.1	283	GF	0.00 0.00	0	0.1	0.1	1136
10	02	1990	*2114		1 7.52	160 43.92	1451.8	10.4	283	1.3	280	9.1	283	GF	0.00 0.00	0	0.1	0.1	1137
10	02	1990	2116		1 7.71	160 43.07	1452.7	10.4	281	1.3	271	9.1	283	GF	0.00 0.00	0	0.1	0.1	1138
10	02	1990	*2119		1 7.71	160 42.7	1453.0	10.4	282	1.3	271	9.1	284	c/cs				1139	
10	02	1990	*2124		1 7.8	160 42.22	1453.5	10.2	282	1.1	267	9.1	284	GF	0.00 0.00	0	0.1	0.1	1140
10	02	1990	2128		1 7.89	160 41.39	1454.4	10.0	283	0.9	274	9.1	284	GF	0.00 0.00	0	0.1	0.1	1141
10	02	1990	*2130		1 8.07	160 40.7	1455.1	9.8	282	0.9	274	8.9	283	c/cs				1142	
10	02	1990	*2134		1 8.2	160 40.42	1455.4	10.6	283	1.7	283	8.9	283	GF	0.00 0.00	0	0.1	0.1	1143
10	02	1990	2135		1 8.29	160 40.42	1455.4	10.6	283	1.7	283	8.9	283	GF	0.00 0.00	0	0.1	0.1	1144
10	02	1990	*2139		1 8.45	160 39.73	1456.1	9.9	282	1.0	277	8.9	283	GF	0.00 0.00	0	0.1	0.1	1145
10	02	1990	*2144		1 8.5	160 39.6	1456.3	10.1	282	1.0	277	9.1	283	c/cs				1146	
10	02	1990	*2149		1 8.63	160 38.91	1456.9	10.4	282	1.3	275	9.1	283	GF	0.00 0.00	0	0.1	0.1	1147
10	02	1990	*2154		1 8.81	160 38.06	1457.8	10.2	282	1.1	276	9.1	283	GF	0.00 0.00	0	0.1	0.1	1148
10	02	1990	*2159		1 8.81	160 38.06	1457.8	10.2	282	1.1	276	9.1	283	GF	0.00 0.00	0	0.1	0.1	1149
10	02	1990	*2200		1 8.99	160 37.23	1458.7	10.2	282	1.1	276	9.1	283	GF	0.00 0.00	0	0.1	0.1	1150
10	02	1990	*2204		1 9.17	160 36.40	1459.5	10.1	282	1.0	277	9.1	283	GF	0.00 0.00	0	0.1	0.1	1151
10	02	1990	2205		1 9.35	160 35.58	1460.3	8.6	282	0.5	118	9.1	283	GF	0.00 0.00	0	0.0	0.0	1152
10	02	1990	*2209		1 9.35	160 35.58	1460.3	8.6	282	0.5	118	9.1	283	GF	0.00 0.00	0	0.1	0.1	1153
10	02	1990	2210		1 9.38	160 35.44	1460.5	10.9	282	1.8	276	9.1	283	GF	0.00 0.00	0	0.1	0.1	1154
10	02	1990	2211		1 9.53	160 34.73	1461.2	10.3	281	1.2	265	9.1	283	GF	0.00 0.00	0	0.1	0.1	1155
10	02	1990	2212		1 9.6	160 34.6	1461.4	10.1	283	1.2	265	9.0	285	c/cs				1156	
10	02	1990	*2214		1 9.6	160 34.6	1461.4	10.1	283	1.2	265	9.0	285	GF	0.00 0.00	0	0.1	0.1	1157
10	02	1990	2215		1 9.71	160 33.90	1462.1	9.6	284	0.6	269	7.2	319	c/cs				1158	
10	02	1990	*2219		1 9.7	160 33.7	1462.2	7.6	315	0.6	269	6.1	351	c/cs				1159	
10	02	1990	2220		1 9.7	160 33.7	1462.2	7.6	315	0.6	269	6.1	351	c/cs				1160	
10	02	1990	2221		1 9.8	160 33.7	1462.3	6.2	345	0.6	269	5.9	24	c/cs				1161	
10	02	1990	2222		1 9.8	160 33.7	1462.3	5.7	18	0.6	269	5.9	24	GF	0.00 0.00	0	0.1	0.1	1162
10	02	1990	*2224		1 9.9	160 33.6	1462.5	6.3	25	0.4	38	5.9	24	GF	0.00 0.00	0	0.1	0.1	1163
10	02	1990	2225		1 10.12	160 33.69	1462.6	6.3	25	0.4	38	5.8	356	c/cs				1164	
10	02	1990	2226		1 10.2	160 33.7	1462.7	6.1	358	0.4	38	6.3	322	c/cs				1165	
10	02	1990	*2228		1 10.3	160 33.7	1462.8	6.4	325	0.4	38	6.3	322	GF	0.00 0.00	0	0.0	0.1	1166
10	02	1990	2229		1 10.3	160 33.7	1462.8	6.4	325	0.4	38	6.3	322	GF	0.00 0.00	0	0.0	0.1	1167
10	02	1990	*2230		1 10.58	160 33.55	1463.2	7.3	319	1.1	300	6.7	326	c/cs				1168	
10	02	1990	2231		1 10.9	160 33.3	1463.5	7.7	322	1.1	300	6.7	326	c/cs				1169	
10	02	1990	*2232		1 10.9	160 33.3	1463.5	7.7	322	1.1	300	6.7	326	GF	0.00 0.00	0	0.1	0.1	1170
10	02	1990	2233		1 11.06	160 33.15	1463.8	7.2	325	0.6	310	6.7	326	GF	0.00 0.00	0	0.1	0.1	1171
10	02	1990	*2234		1 11.5	160 32.9	1464.3	7.3	328	0.6	310	6.8	329	c/cs				1172	
10	02	1990	2235		1 11.5	160 32.9	1464.3	7.3	328	0.6	310	6.8	329	GF	0.00 0.00	0	0.1	0.1	1173
10	02	1990	*2236		1 11.66	160 32.74	1464.5	8.2	325	1.5	309	6.8	329	GF	0.00 0.00	0	0.1	0.1	1174
10	02	1990	2237		1 11.66	160 32.74	1464.5	8.2	325	1.5	309	6.8	329	GF	0.00 0.00	0	0.1	0.1	1175
10	02	1990	*2238		1 12.11	160 32.43	1465.1	7.4	329	0.7	328	6.8	329	GF	0.00 0.00	0	0.1	0.1	1176
10	02	1990	2239		1 12.11	160 32.43	1465.1	7.4	329	0.7	328	6.8	329	GF	0.00 0.00	0	0.1	0.1	1177
10	02	1990	*2240		1 12.64	160 32.11	1465.7	7.6	329	0.9	325	6.8	329	GF	0.00 0.00	0	0.1	0.1	1178
10	02	1990	2241		1 12.64	160 32.11	1465.7	7.6	329	0.9	325	6.8	329	GF	0.00 0.00	0	0.1	0.1	1179
10	02	1990	*2242		1 13.18	160 31.78	1466.3	7.5	330	0.7	341	6.8	329	GF	0.00 0.00	0	0.1	0.1	1180
10	02	1990	2243		1 13.18	160 31.78	1466.3	7.5	330	0.7	341	6.8	329	GF	0.00 0.00	0	0.1	0.1	1181
10	02	1990	*2244		1 13.72	160 31.47	1466.9	7.6	328	0.9	324	6.8	329	GF	0.00 0.00	0	0.1	0.1	1182
10	02	1990	2245		1 13.72	160 31.47	1466.9	7.6	328	0.9	324	6.8	329	GF	0.00 0.00	0	0.1	0.1	1183

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	dr speed	cmnt	prob. error (smajxsmn@az)	drift dist	time	no.	
#																
10	02	1990	2250		1 13.8	160 31.4	1467.1	7.6	330	0.9	324	6.8	331	c/cs		1167
10	02	1990	*2254		1 14.27	160 31.15	1467.6	7.2	329	0.5	306	6.8	331	GF	0.00 0.00 0	0.1 0.1 1168
10	02	1990	2257		1 14.6	160 31.0	1467.9	7.3	331	0.5	306	6.9	333	c/cs		1169
10	02	1990	*2300		1 14.90	160 30.79	1468.3	8.3	330	1.5	315	6.9	333	GF	0.00 0.00 0	0.0 0.1 1170
10	02	1990	*2304		1 15.38	160 30.51	1468.9	6.2	331	0.7	173	6.9	333	GF	0.00 0.00 0	0.1 0.1 1171
10	02	1990	2313		1 16.2	160 30.1	1469.8	5.9	360	0.7	173	6.6	359	c/cs		1172
10	02	1990	2315		1 16.4	160 30.1	1470.0	5.8	46	0.7	173	6.2	41	c/cs		1173
10	02	1990	2317		1 16.5	160 30.2	1470.2	6.4	87	0.7	173	6.4	81	c/cs		1174
10	02	1990	2319		1 16.5	160 30.4	1470.4	6.5	133	0.7	173	6.0	129	c/cs		1175
10	02	1990	2320		1 16.5	160 30.5	1470.5	5.8	177	0.7	173	5.1	177	c/cs		1176
10	02	1990	2321		1 16.4	160 30.5	1470.6	6.3	193	0.7	173	5.7	195	c/cs		1177
10	02	1990	2324		1 16.1	160 30.4	1470.9	7.4	182	0.7	173	6.7	183	c/cs		1178
10	02	1990	2326		1 15.8	160 30.4	1471.2	7.4	149	0.7	173	6.8	147	c/cs		1179
10	02	1990	2328		1 15.6	160 30.5	1471.4	7.7	142	0.7	173	7.1	139	c/cs		1180
10	02	1990	2331		1 15.3	160 30.8	1471.8	8.2	151	0.7	173	7.6	149	c/cs		1181
10	02	1990	2335		1 14.8	160 31.0	1472.3	8.1	146	0.7	173	7.5	144	c/cs		1182
10	02	1990	2341		1 14.2	160 31.5	1473.1	8.3	150	0.7	173	7.7	148	c/cs		1183
10	02	1990	*2345		1 13.68	160 31.76	1473.7	7.6	148	0.0	328	7.7	148	805	0.00 0.00 0	0.5 0.7 1184
10	02	1990	2358		1 12.3	160 32.6	1475.3	6.9	148	0.0	328	6.9	148	c/cs		1185
11	02	1990	0000		1 12.1	160 32.8	1475.6	7.8	148	0.0	328	7.8	148	c/cs		1186
11	02	1990	0030		1 8.8	160 34.8	1479.5	0.0	328	0.0	328	0.0	0	c/cs		1187
17	02	1990	*0345		1 13.68	160 31.76	1485.2	0.7	307	0.7	307	0.0	0	805	0.00 0.00 0	5.8 148.0 1188
17	02	1990	0351		1 13.7	160 31.7	1485.3	3.8	261	0.7	307	3.3	252	c/cs		1189
17	02	1990	0353		1 13.7	160 31.6	1485.4	5.6	236	0.7	307	5.4	228	c/cs		1190
17	02	1990	*0355		1 13.60	160 31.42	1485.6	6.8	229	1.4	231	5.4	228	GF	0.00 0.00 0	0.1 0.2 1191
17	02	1990	0355		1 13.6	160 31.4	1485.6	10.4	229	1.4	231	9.0	229	c/cs		1192
17	02	1990	0358		1 13.3	160 31.0	1486.1	12.5	229	1.4	231	11.1	229	c/cs		1193
17	02	1990	*0400		1 12.99	160 30.71	1486.6	13.4	230	2.2	233	11.1	229	GF	0.00 0.00 0	0.1 0.1 1194
17	02	1990	*0405		1 12.27	160 29.86	1487.7	13.2	230	2.1	237	11.1	229	GF	0.00 0.00 0	0.2 0.1 1195
17	02	1990	0406		1 12.1	160 29.7	1487.9	13.8	229	2.1	237	11.7	228	c/cs		1196
17	02	1990	*0410		1 11.53	160 28.99	1488.8	13.9	230	2.2	238	11.7	228	GF	0.00 0.00 0	0.2 0.1 1197
17	02	1990	*0415		1 10.78	160 28.11	1490.0	13.7	230	2.0	239	11.7	228	GF	0.00 0.00 0	0.2 0.1 1198
17	02	1990	*0420		1 10.04	160 27.24	1491.1	13.3	229	1.6	237	11.7	228	GF	0.00 0.00 0	0.2 0.1 1199
17	02	1990	0426		1 9.2	160 26.2	1492.4	13.3	230	1.6	237	11.7	229	c/cs		1200
17	02	1990	*0430		1 8.60	160 25.56	1493.3	13.7	229	2.0	229	11.7	229	GF	0.00 0.00 0	0.3 0.2 1201
17	02	1990	*0440		1 7.10	160 23.83	1495.6	13.9	229	2.2	230	11.7	229	GF	0.00 0.00 0	0.3 0.2 1202
17	02	1990	*0445		1 6.34	160 22.95	1496.8	13.8	229	2.1	228	11.7	229	GF	0.00 0.00 0	0.2 0.1 1203
17	02	1990	0445		1 6.3	160 23.0	1496.8	14.0	229	2.1	228	12.0	229	c/cs		1204
17	02	1990	*0450		1 5.57	160 22.07	1497.9	13.6	229	1.6	227	12.0	229	GF	0.00 0.00 0	0.2 0.1 1205
17	02	1990	*0500		1 4.08	160 20.37	1500.2	14.2	228	2.2	225	12.0	229	GF	0.00 0.00 0	0.3 0.2 1206
17	02	1990	*0510		1 2.51	160 18.60	1502.6	13.9	229	1.9	227	12.0	229	GF	0.00 0.00 0	0.4 0.2 1207
17	02	1990	0515		1 1.7	160 17.7	1503.7	13.9	229	1.9	227	11.9	229	c/cs		1208
17	02	1990	*0520		1 0.98	160 16.86	1504.9	14.1	228	2.2	226	11.9	229	GF	0.00 0.00 0	0.3 0.2 1209
17	02	1990	*0525		1 0.20	160 15.98	1506.1	14.0	228	2.1	225	11.9	229	GF	0.00 0.00 0	0.2 0.1 1210
17	02	1990	*0535		0 58.65	160 14.23	1508.4	14.1	228	2.2	225	11.9	229	GF	0.00 0.00 0	0.3 0.2 1211
17	02	1990	*0540		0 57.87	160 13.35	1509.6	14.0	229	2.1	228	11.9	229	GF	0.00 0.00 0	0.2 0.1 1212
17	02	1990	*0545		0 57.10	160 12.47	1510.7	14.1	229	2.1	228	11.9	229	GF	0.00 0.00 0	0.2 0.1 1213
17	02	1990	0545		0 57.1	160 12.5	1510.7	14.0	229	2.1	228	11.9	229	c/cs		1214
17	02	1990	*0550		0 56.33	160 11.59	1511.9	14.1	228	2.2	225	11.9	229	GF	0.00 0.00 0	0.2 0.1 1215
17	02	1990	*0555		0 55.55	160 10.71	1513.1	13.3	229	1.4	229	11.9	229	GF	0.00 0.00 0	0.2 0.1 1216
17	02	1990	*0600		0 54.82	160 9.87	1514.2	14.3	229	2.4	227	11.9	229	GF	0.00 0.00 0	0.1 0.1 1217
17	02	1990	*0610		0 53.25	160 8.08	1516.6	13.8	229	1.9	231	11.9	229	GF	0.00 0.00 0	0.4 0.2 1218
17	02	1990	*0615		0 52.50	160 7.21	1517.7	13.7	230	1.7	234	11.9	229	GF	0.00 0.00 0	0.2 0.1 1219

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date run: Wed Jul 18 16:38:07 1990

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	drift speed	drift cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
#																			
17	02	1990		0615	0 52.5	160 7.2	1517.7	13.7	230	1.7	234	12.0	229	c/cs					1220
17	02	1990		*0620	0 51.76	160 6.34	1518.9	13.2	229	1.2	234	12.0	229	GF	0.00 0.00	0	0.1	0.1	1221
17	02	1990		*0630	0 50.33	160 4.67	1521.1	13.8	229	1.9	232	12.0	229	GF	0.00 0.00	0	0.2	0.2	1222
17	02	1990		*0640	0 48.83	160 2.92	1523.4	13.6	229	1.6	231	12.0	229	GF	0.00 0.00	0	0.3	0.2	1223
17	02	1990		*0645	0 48.09	160 2.06	1524.5	13.8	230	1.8	236	12.0	229	GF	0.00 0.00	0	0.1	0.1	1224
17	02	1990		0645	0 48.1	160 2.1	1524.5	13.6	229	1.8	236	11.7	228	c/cs					1225
17	02	1990		0649	0 47.5	160 1.4	1525.4	13.8	230	1.8	236	12.0	229	c/cs					1226
17	02	1990		*0650	0 47.35	160 1.20	1525.7	13.6	229	1.6	232	12.0	229	GF	0.00 0.00	0	0.2	0.1	1227
17	02	1990		*0655	0 46.61	160 0.34	1526.8	12.6	230	0.6	242	12.0	229	GF	0.00 0.00	0	0.1	0.1	1228
17	02	1990		*0700	0 45.93	159 59.54	1527.8	13.9	230	2.0	236	12.0	229	GF	0.00 0.00	0	0.1	0.1	1229
17	02	1990		0709	0 44.6	159 57.9	1529.9	13.8	231	2.0	236	11.9	230	c/cs					1230
17	02	1990		*0710	0 44.44	159 57.76	1530.2	13.6	230	1.7	230	11.9	230	GF	0.00 0.00	0	0.3	0.2	1231
17	02	1990		*0715	0 43.71	159 56.89	1531.3	13.5	231	1.6	242	11.9	230	GF	0.00 0.00	0	0.1	0.1	1232
17	02	1990		*0720	0 43.01	159 56.01	1532.4	13.5	232	1.7	248	11.9	230	GF	0.00 0.00	0	0.1	0.1	1233
17	02	1990		*0725	0 42.32	159 55.12	1533.5	13.4	231	1.5	242	11.9	230	GF	0.00 0.00	0	0.1	0.1	1234
17	02	1990		0727	0 42.0	159 54.8	1534.0	13.5	232	1.5	242	12.0	231	c/cs					1235
17	02	1990		*0735	0 40.94	159 53.35	1535.8	13.6	232	1.6	238	12.0	231	GF	0.00 0.00	0	0.3	0.2	1236
17	02	1990		*0740	0 40.24	159 52.46	1536.9	13.7	231	1.7	234	12.0	231	GF	0.00 0.00	0	0.1	0.1	1237
17	02	1990		*0745	0 39.53	159 51.57	1538.1	13.7	232	1.8	237	12.0	231	GF	0.00 0.00	0	0.1	0.1	1238
17	02	1990		*0750	0 38.82	159 50.67	1539.2	13.2	232	1.2	238	12.0	231	GF	0.00 0.00	0	0.1	0.1	1239
17	02	1990		0755	0 38.1	159 49.8	1540.3	13.2	232	1.2	238	12.0	231	c/cs					1240
17	02	1990		*0800	0 37.45	159 48.94	1541.4	14.3	232	2.3	236	12.0	231	GF	0.00 0.00	0	0.2	0.2	1241
17	02	1990		*0810	0 35.98	159 47.07	1543.8	13.8	232	1.8	239	12.0	231	GF	0.00 0.00	0	0.4	0.2	1242
17	02	1990		*0815	0 35.27	159 46.16	1544.9	14.0	232	2.0	236	12.0	231	GF	0.00 0.00	0	0.2	0.1	1243
17	02	1990		0815	0 35.3	159 46.2	1544.9	13.9	232	2.0	236	11.9	231	c/cs					1244
17	02	1990		*0820	0 34.55	159 45.25	1546.1	13.4	232	1.4	238	11.9	231	GF	0.00 0.00	0	0.2	0.1	1245
17	02	1990		*0830	0 33.17	159 43.50	1548.3	14.4	231	2.5	230	11.9	231	GF	0.00 0.00	0	0.2	0.2	1246
17	02	1990		0833	0 32.7	159 42.9	1549.1	14.4	230	2.5	230	12.0	230	c/cs					1247
17	02	1990		*0840	0 31.63	159 41.65	1550.7	13.8	230	1.8	229	12.0	230	GF	0.00 0.00	0	0.4	0.2	1248
17	02	1990		*0845	0 30.89	159 40.77	1551.9	13.8	230	1.8	229	12.0	230	GF	0.00 0.00	0	0.2	0.1	1249
17	02	1990		*0850	0 30.15	159 39.89	1553.0	13.1	229	1.2	224	12.0	230	GF	0.00 0.00	0	0.2	0.1	1250
17	02	1990		*0900	0 28.73	159 38.23	1555.2	14.5	230	2.6	231	12.0	230	GF	0.00 0.00	0	0.2	0.2	1251
17	02	1990		0903	0 28.3	159 37.7	1555.9	14.3	229	2.6	231	11.7	229	c/cs					1252
17	02	1990		*0910	0 27.18	159 36.41	1557.6	14.2	229	2.4	229	11.7	229	GF	0.00 0.00	0	0.4	0.2	1253
17	02	1990		0912	0 26.9	159 36.1	1558.1	13.7	230	2.4	229	11.2	230	c/cs					1254
17	02	1990		*0920	0 25.69	159 34.66	1559.9	12.9	230	1.7	227	11.2	230	GF	0.00 0.00	0	0.4	0.2	1255
17	02	1990		0921	0 25.6	159 34.5	1560.1	13.0	231	1.7	227	11.3	231	c/cs					1256
17	02	1990		0928	0 24.6	159 33.3	1561.6	13.1	231	1.7	227	11.5	231	c/cs					1257
17	02	1990		*0930	0 24.31	159 32.99	1562.1	14.2	231	2.7	228	11.5	231	GF	0.00 0.00	0	0.3	0.2	1258
17	02	1990		*0940	0 22.81	159 31.17	1564.4	12.8	230	1.3	225	11.5	231	GF	0.00 0.00	0	0.4	0.2	1259
17	02	1990		0940	0 22.8	159 31.2	1564.4	10.6	233	1.3	225	9.3	234	c/cs					1260
17	02	1990		0943	0 22.5	159 30.7	1565.0	9.6	234	1.3	225	8.3	235	c/cs					1261
17	02	1990		0946	0 22.2	159 30.4	1565.4	8.6	232	1.3	225	7.3	233	c/cs					1262
17	02	1990		*0950	0 21.85	159 29.91	1566.0	8.1	232	0.8	222	7.3	233	GF	0.00 0.00	0	0.2	0.2	1263
17	02	1990		*1000	0 21.02	159 28.85	1567.4	9.1	234	1.8	239	7.3	233	GF	0.00 0.00	0	0.1	0.2	1264
17	02	1990		1001	0 20.9	159 28.7	1567.5	8.7	238	1.8	239	6.9	238	c/cs					1265
17	02	1990		1006	0 20.6	159 28.1	1568.2	8.6	255	1.8	239	6.9	259	c/cs					1266
17	02	1990		*1010	0 20.40	159 27.56	1568.8	8.3	257	1.4	248	6.9	259	GF	0.00 0.00	0	0.3	0.2	1267
17	02	1990		1013	0 20.3	159 27.2	1569.2	8.9	257	1.4	248	7.5	259	c/cs					1268
17	02	1990		*1020	0 20.08	159 26.14	1570.3	8.3	257	0.8	234	7.5	259	GF	0.00 0.00	0	0.2	0.2	1269
17	02	1990		1022	0 20.0	159 25.9	1570.5	8.0	257	0.8	234	7.2	259	c/cs					1270
17	02	1990		*1030	0 19.77	159 24.84	1571.6	9.3	257	2.1	250	7.2	259	GF	0.00 0.00	0	0.1	0.2	1271
17	02	1990		1036	0 19.6	159 23.9	1572.5	9.5	259	2.1	250	7.4	262	c/cs					1272

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmi@az)	drift dist	time	no.	
25	02	1990	*1200		0 38.46	159 4.55	1614.0	9.4	319	2.7	310	6.7	323	GF	0.00 0.00	0	0.1	0.1	1326
25	02	1990	*1207		0 39.29	159 3.84	1615.1	8.0	319	1.4	297	6.7	323	GF	0.00 0.00	0	0.3	0.1	1327
25	02	1990	*1212		0 39.79	159 3.40	1615.7	6.6	319	0.5	215	6.7	323	GF	0.00 0.00	0	0.1	0.1	1328
25	02	1990	1212		0 39.8	159 3.4	1615.7	6.6	319	0.5	215	6.7	323	c/cs					1329
25	02	1990	*1218		0 40.29	159 2.97	1616.4	8.3	319	1.6	303	6.7	323	GF	0.00 0.00	0	0.0	0.1	1330
25	02	1990	*1223		0 40.81	159 2.52	1617.1	8.1	317	1.6	293	6.7	323	GF	0.00 0.00	0	0.1	0.1	1331
25	02	1990	1224		0 40.9	159 2.4	1617.2	8.6	318	1.6	293	7.2	323	c/cs					1332
25	02	1990	1248		0 43.5	159 0.1	1620.6	8.5	318	1.6	293	7.1	323	c/cs					1333
25	02	1990	1305		0 45.2	158 58.5	1623.0	8.6	318	1.6	293	7.2	323	c/cs					1334
25	02	1990	*1333		0 48.20	158 55.80	1627.1	8.9	320	1.8	308	7.2	323	SF	0.00 0.00	0	1.9	1.2	1335
25	02	1990	1335		0 48.4	158 55.6	1627.3	8.9	320	1.8	308	7.1	323	c/cs					1336
25	02	1990	1400		0 51.3	158 53.2	1631.0	8.6	321	1.8	308	6.9	324	c/cs					1337
25	02	1990	1411		0 52.5	158 52.2	1632.6	8.8	319	1.8	308	7.1	322	c/cs					1338
25	02	1990	1417		0 53.2	158 51.7	1633.5	8.9	320	1.8	308	7.2	323	c/cs					1339
25	02	1990	*1423		0 53.84	158 51.10	1634.4	8.7	321	1.5	311	7.2	323	GF	0.00 0.00	0	1.5	0.8	1340
25	02	1990	*1430		0 54.63	158 50.46	1635.4	9.2	321	2.0	315	7.2	323	GF	0.00 0.00	0	0.2	0.1	1341
25	02	1990	*1438		0 55.59	158 49.69	1636.6	8.8	320	1.6	306	7.2	323	GF	0.00 0.00	0	0.3	0.1	1342
25	02	1990	*1443		0 56.15	158 49.22	1637.4	8.8	320	1.6	298	7.2	323	GF	0.00 0.00	0	0.1	0.1	1343
25	02	1990	1447		0 56.6	158 48.8	1637.9	8.6	320	1.5	298	7.2	324	c/cs					1344
25	02	1990	*1448		0 56.69	158 48.75	1638.1	8.6	320	1.5	298	7.2	324	GF	0.00 0.00	0	0.1	0.1	1345
25	02	1990	*1453		0 57.23	158 48.29	1638.8	8.5	320	1.4	297	7.2	324	GF	0.00 0.00	0	0.1	0.1	1346
25	02	1990	*1500		0 57.97	158 47.67	1639.8	8.3	320	1.2	295	7.2	324	GF	0.00 0.00	0	0.1	0.1	1347
25	02	1990	*1508		0 58.92	158 46.90	1641.0	9.2	321	2.0	310	7.2	324	GF	0.00 0.00	0	0.3	0.1	1348
25	02	1990	1512		0 58.92	158 46.90	1641.0	8.9	320	1.7	304	7.2	324	GF	0.00 0.00	0	0.3	0.1	1349
25	02	1990	*1513		0 59.4	158 46.5	1641.6	8.9	321	1.7	304	7.3	325	c/cs					1350
25	02	1990	*1518		0 59.49	158 46.43	1641.7	8.7	321	1.5	299	7.3	325	GF	0.00 0.00	0	0.1	0.1	1351
25	02	1990	*1523		1 0.05	158 45.97	1642.4	9.0	321	1.8	304	7.3	325	GF	0.00 0.00	0	0.1	0.1	1352
25	02	1990	*1530		1 0.63	158 45.50	1643.2	8.3	320	1.2	292	7.3	325	GF	0.00 0.00	0	0.1	0.1	1353
25	02	1990	1537		1 1.38	158 44.88	1644.2	9.1	322	1.8	309	7.3	325	GF	0.00 0.00	0	0.1	0.1	1354
25	02	1990	*1538		1 2.2	158 44.2	1645.2	8.9	323	1.8	309	7.1	327	c/cs					1355
25	02	1990	*1543		1 2.33	158 44.14	1645.4	8.6	323	1.5	304	7.1	327	GF	0.00 0.00	0	0.2	0.1	1356
25	02	1990	*1548		1 2.90	158 43.71	1646.1	8.5	325	1.4	313	7.1	327	GF	0.00 0.00	0	0.1	0.1	1357
25	02	1990	*1553		1 3.48	158 43.30	1646.8	8.6	323	1.5	304	7.1	327	GF	0.00 0.00	0	0.1	0.1	1358
25	02	1990	*1600		1 4.05	158 42.87	1647.5	8.2	324	1.1	304	7.1	327	GF	0.00 0.00	0	0.1	0.1	1359
25	02	1990	1607		1 4.82	158 42.31	1648.5	9.0	323	2.0	308	7.1	327	GF	0.00 0.00	0	0.1	0.1	1360
25	02	1990	*1608		1 5.7	158 41.7	1649.5	9.1	321	2.0	308	7.2	325	c/cs					1361
25	02	1990	*1613		1 5.78	158 41.58	1649.7	8.6	322	1.5	310	7.2	325	GF	0.00 0.00	0	0.3	0.1	1362
25	02	1990	*1618		1 6.35	158 41.14	1650.4	8.5	322	1.5	306	7.2	325	GF	0.00 0.00	0	0.1	0.1	1363
25	02	1990	*1623		1 6.91	158 40.70	1651.1	8.6	322	1.5	310	7.2	325	GF	0.00 0.00	0	0.1	0.1	1364
25	02	1990	*1628		1 7.48	158 40.26	1651.8	8.7	323	1.6	313	7.2	325	GF	0.00 0.00	0	0.1	0.1	1365
25	02	1990	1630		1 8.06	158 39.82	1652.5	8.8	322	1.7	308	7.2	325	GF	0.00 0.00	0	0.1	0.1	1366
25	02	1990	*1638		1 8.3	158 39.6	1652.8	8.9	321	1.7	308	7.2	324	c/cs					1367
25	02	1990	*1643		1 8.3	158 39.6	1652.8	9.0	321	1.8	309	7.2	324	GF	0.00 0.00	0	0.3	0.2	1368
25	02	1990	*1648		1 9.21	158 38.89	1654.0	8.8	321	1.6	308	7.2	324	GF	0.00 0.00	0	0.1	0.1	1369
25	02	1990	*1653		1 9.79	158 38.42	1654.8	8.8	321	1.6	308	7.2	324	GF	0.00 0.00	0	0.1	0.1	1370
25	02	1990	1700		1 10.36	158 37.96	1655.5	8.8	321	1.6	308	7.2	324	GF	0.00 0.00	0	0.1	0.1	1371
25	02	1990	*1708		1 10.93	158 37.50	1656.2	8.0	321	0.9	297	7.2	324	GF	0.00 0.00	0	0.1	0.1	1372
25	02	1990	*1713		1 11.66	158 36.91	1657.2	9.5	321	2.3	312	7.2	324	GF	0.00 0.00	0	0.1	0.1	1373
25	02	1990	1717		1 11.7	158 36.9	1657.2	9.4	321	2.3	312	7.2	324	c/cs					1374
25	02	1990	*1723		1 11.7	158 36.9	1657.2	9.0	320	1.9	307	7.2	324	GF	0.00 0.00	0	0.3	0.1	1375
25	02	1990	*1728		1 12.64	158 36.12	1658.4	9.0	320	1.9	307	7.2	324	GF	0.00 0.00	0	0.2	0.1	1376
25	02	1990	*1730		1 13.22	158 35.64	1659.2	8.8	321	1.7	309	7.2	324	GF	0.00 0.00	0	0.1	0.1	1377
25	02	1990	*1735		1 13.79	158 35.18	1659.9	8.8	321	1.7	309	7.2	324	GF	0.00 0.00	0	0.1	0.1	1378
25	02	1990	*1740		1 14.36	158 34.72	1660.7	9.1	321	1.9	312	7.2	324	GF	0.00 0.00	0	0.1	0.1	1379
25	02	1990	*1745		1 14.36	158 34.72	1660.7	9.1	321	1.9	312	7.2	324	GF	0.00 0.00	0	0.2	0.1	1380
25	02	1990	*1750		1 14.95	158 34.25	1661.4	5.8	321	1.4	155	7.2	324	GF	0.00 0.00	0	0.2	0.1	1381
25	02	1990	*1755		1 15.10	158 34.13	1661.6	9.4	322	2.2	314	7.2	324	GF	0.00 0.00	0	0.0	0.0	1382

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hd	dr speed	cse	cmnt	prob. error (smajxsmineaz)	drift dist	time	no.		
#																			1379	
25	02	1990		1730	1 15.1	158 34.1	1661.6	9.4	321	2.2	314	7.2	323	c/cs						
25	02	1990		*1738	1 16.07	158 33.34	1662.9	8.6	319	1.5	300	7.2	323	GF	0.00	0.00	0	0.3	0.1	1380
25	02	1990		*1743	1 16.61	158 32.87	1663.6	9.2	319	2.2	304	7.2	323	GF	0.00	0.00	0	0.1	0.1	1381
25	02	1990		1746	1 17.0	158 32.6	1664.0	9.3	319	2.2	304	7.2	323	c/cs						1382
25	02	1990		*1748	1 17.19	158 32.36	1664.3	9.0	320	1.8	307	7.2	323	GF	0.00	0.00	0	0.2	0.1	1383
25	02	1990		*1753	1 17.76	158 31.88	1665.1	8.1	321	0.9	301	7.2	323	GF	0.00	0.00	0	0.1	0.1	1384
25	02	1990		*1800	1 18.49	158 31.28	1666.0	9.7	321	2.5	314	7.2	323	GF	0.00	0.00	0	0.1	0.1	1385
25	02	1990		*1813	1 20.12	158 29.94	1668.1	8.8	321	1.6	310	7.2	323	GF	0.00	0.00	0	0.5	0.2	1386
25	02	1990		1816	1 20.5	158 29.7	1668.6	8.9	321	1.6	310	7.3	323	c/cs						1387
25	02	1990		*1818	1 20.69	158 29.47	1668.9	9.1	320	1.9	308	7.3	323	GF	0.00	0.00	0	0.1	0.1	1388
25	02	1990		*1823	1 21.27	158 28.98	1669.6	8.9	320	1.7	307	7.3	323	GF	0.00	0.00	0	0.2	0.1	1389
25	02	1990		*1828	1 21.84	158 28.50	1670.4	9.1	319	1.9	305	7.3	323	GF	0.00	0.00	0	0.1	0.1	1390
25	02	1990		*1838	1 22.99	158 27.51	1671.9	7.5	320	0.5	265	7.3	323	GF	0.00	0.00	0	0.3	0.2	1391
25	02	1990		1841	1 23.3	158 27.3	1672.3	7.5	319	0.5	265	7.2	322	c/cs						1392
25	02	1990		*1844	1 23.56	158 27.02	1672.7	9.2	318	2.0	305	7.2	322	GF	0.00	0.00	0	0.0	0.1	1393
25	02	1990		*1849	1 24.13	158 26.51	1673.4	9.2	319	2.0	309	7.2	322	GF	0.00	0.00	0	0.2	0.1	1394
25	02	1990		*1854	1 24.71	158 26.01	1674.2	9.2	318	2.1	303	7.2	322	GF	0.00	0.00	0	0.2	0.1	1395
25	02	1990		1857	1 25.1	158 25.7	1674.6	9.3	318	2.1	303	7.3	322	c/cs						1396
25	02	1990		*1859	1 25.28	158 25.49	1675.0	8.9	318	1.7	300	7.3	322	GF	0.00	0.00	0	0.2	0.1	1397
25	02	1990		*1900	1 25.39	158 25.39	1675.1	9.1	319	1.9	308	7.3	322	GF	0.00	0.00	0	0.0	0.0	1398
25	02	1990		*1904	1 25.85	158 24.99	1675.7	9.1	320	1.9	311	7.3	322	GF	0.00	0.00	0	0.1	0.1	1399
25	02	1990		*1909	1 26.43	158 24.50	1676.5	9.1	320	1.9	311	7.3	322	GF	0.00	0.00	0	0.2	0.1	1400
25	02	1990		*1914	1 27.01	158 24.01	1677.2	9.0	319	1.8	308	7.3	322	GF	0.00	0.00	0	0.2	0.1	1401
25	02	1990		*1919	1 27.58	158 23.52	1678.0	9.1	320	1.9	311	7.3	322	GF	0.00	0.00	0	0.1	0.1	1402
25	02	1990		*1924	1 28.16	158 23.03	1678.7	9.0	320	1.8	311	7.3	322	GF	0.00	0.00	0	0.2	0.1	1403
25	02	1990		1927	1 28.5	158 22.7	1679.2	9.0	320	1.8	311	7.3	322	c/cs						1404
25	02	1990		*1930	1 28.85	158 22.45	1679.6	9.5	320	2.2	311	7.3	322	GF	0.00	0.00	0	0.2	0.1	1405
25	02	1990		*1934	1 29.33	158 22.04	1680.3	9.1	321	1.8	316	7.3	322	GF	0.00	0.00	0	0.1	0.1	1406
25	02	1990		*1939	1 29.92	158 21.56	1681.0	9.1	320	1.8	311	7.3	322	GF	0.00	0.00	0	0.2	0.1	1407
25	02	1990		*1944	1 30.50	158 21.07	1681.8	9.0	320	1.7	314	7.3	322	GF	0.00	0.00	0	0.2	0.1	1408
25	02	1990		*1949	1 31.08	158 20.59	1682.5	9.1	319	1.8	305	7.3	322	GF	0.00	0.00	0	0.1	0.1	1409
25	02	1990		1950	1 31.2	158 20.5	1682.7	9.0	319	1.8	305	7.2	323	c/cs						1410
25	02	1990		*1954	1 31.65	158 20.10	1683.3	9.0	319	1.9	305	7.2	323	GF	0.00	0.00	0	0.2	0.1	1411
25	02	1990		*1959	1 32.22	158 19.61	1684.0	7.6	321	0.4	296	7.2	323	GF	0.00	0.00	0	0.2	0.1	1412
25	02	1990		*2000	1 32.32	158 19.53	1684.2	9.3	320	2.1	309	7.2	323	GF	0.00	0.00	0	0.0	0.0	1413
25	02	1990		*2009	1 33.39	158 18.63	1685.6	9.1	319	2.0	303	7.2	323	GF	0.00	0.00	0	0.3	0.2	1414
25	02	1990		*2014	1 33.96	158 18.13	1686.3	9.1	320	1.9	308	7.2	323	GF	0.00	0.00	0	0.2	0.1	1415
25	02	1990		*2019	1 34.54	158 17.64	1687.1	9.3	319	2.1	307	7.2	323	GF	0.00	0.00	0	0.2	0.1	1416
25	02	1990		2020	1 34.7	158 17.5	1687.2	9.2	319	2.1	307	7.1	323	c/cs						1417
25	02	1990		*2024	1 35.12	158 17.14	1687.9	8.9	320	1.8	307	7.1	323	GF	0.00	0.00	0	0.2	0.1	1418
25	02	1990		2026	1 35.3	158 16.9	1688.2	8.6	320	1.8	307	6.8	323	c/cs						1419
25	02	1990		*2030	1 35.78	158 16.58	1688.7	8.8	320	2.1	308	6.8	323	GF	0.00	0.00	0	0.2	0.1	1420
25	02	1990		2032	1 36.0	158 16.4	1689.0	9.4	319	2.1	308	7.3	322	c/cs						1421
25	02	1990		*2039	1 36.83	158 15.67	1690.1	9.0	319	1.7	308	7.3	322	GF	0.00	0.00	0	0.3	0.2	1422
25	02	1990		*2044	1 37.40	158 15.18	1690.9	8.9	320	1.6	313	7.3	322	GF	0.00	0.00	0	0.1	0.1	1423
25	02	1990		*2049	1 37.97	158 14.71	1691.6	9.1	320	1.8	310	7.3	322	GF	0.00	0.00	0	0.1	0.1	1424
25	02	1990		2049	1 38.0	158 14.7	1691.6	9.0	320	1.8	310	7.2	323	c/cs						1425
25	02	1990		*2050	1 38.1	158 14.6	1691.8	9.0	320	1.8	310	7.2	323	**** missing data ****						1426
25	02	1990		*2054	1 38.55	158 14.23	1692.4	8.6	319	1.5	299	7.2	323	GF	0.00	0.00	0	0.2	0.1	1427
25	02	1990		2058	1 39.0	158 13.9	1692.9	8.8	318	1.5	299	7.4	322	c/cs						1428
25	02	1990		*2100	1 39.20	158 13.66	1693.2	9.3	319	1.9	308	7.4	322	GF	0.00	0.00	0	0.1	0.1	1429
25	02	1990		2108	1 40.1	158 12.8	1694.5	9.0	319	1.9	308	7.1	322	c/cs						1430
25	02	1990		*2109	1 40.25	158 12.75	1694.6	8.9	320	1.9	312	7.1	322	GF	0.00	0.00	0	0.3	0.2	1431

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	dr hed	speed	cse	cmnt	prob. error (smajxsmi@az)	drift dist	drift time	no.	
	25	02	1990	*2114	1 40.82	158 12.27	1695.4	9.1	318	2.0	305	7.1	322	GF	0.00 0.00	0	0.2	0.1	1432
	25	02	1990	2116	1 41.0	158 12.1	1695.7	9.2	318	2.0	305	7.2	322	c/cs					1433
	25	02	1990	*2119	1 41.39	158 11.76	1696.1	8.9	319	1.7	305	7.2	322	GF	0.00 0.00	0	0.2	0.1	1434
	25	02	1990	*2124	1 41.95	158 11.27	1696.9	8.1	318	1.0	293	7.2	322	GF	0.00 0.00	0	0.1	0.1	1435
	25	02	1990	*2130	1 42.56	158 10.73	1697.7	9.3	319	2.1	309	7.2	322	GF	0.00 0.00	0	0.1	0.1	1436
	25	02	1990	*2139	1 43.61	158 9.82	1699.1	8.8	319	1.6	303	7.2	322	GF	0.00 0.00	0	0.3	0.2	1437
	25	02	1990	2142	1 43.9	158 9.5	1699.5	8.8	319	1.6	303	7.3	323	c/cs					1438
	25	02	1990	*2144	1 44.16	158 9.34	1699.8	8.9	320	1.7	307	7.3	323	GF	0.00 0.00	0	0.1	0.1	1439
	25	02	1990	*2149	1 44.73	158 8.86	1700.5	8.9	320	1.7	307	7.3	323	GF	0.00 0.00	0	0.1	0.1	1440
	25	02	1990	*2154	1 45.30	158 8.38	1701.3	8.2	320	1.0	301	7.3	323	GF	0.00 0.00	0	0.1	0.1	1441
	25	02	1990	*2200	1 45.93	158 7.86	1702.1	9.4	320	2.2	309	7.3	323	GF	0.00 0.00	0	0.1	0.1	1442
	25	02	1990	2202	1 46.2	158 7.7	1702.4	9.5	320	2.2	309	7.4	323	c/cs					1443
	25	02	1990	*2209	1 47.02	158 6.94	1703.5	8.9	319	1.6	302	7.4	323	GF	0.00 0.00	0	0.3	0.2	1444
	25	02	1990	*2214	1 47.58	158 6.46	1704.3	9.0	319	1.7	304	7.4	323	GF	0.00 0.00	0	0.1	0.1	1445
	25	02	1990	2218	1 48.0	158 6.1	1704.9	8.9	319	1.7	304	7.2	323	c/cs					1446
	25	02	1990	*2219	1 48.15	158 5.97	1705.0	9.1	319	2.0	303	7.2	323	GF	0.00 0.00	0	0.1	0.1	1447
	25	02	1990	*2224	1 48.72	158 5.47	1705.8	8.0	319	1.0	289	7.2	323	GF	0.00 0.00	0	0.2	0.1	1448
	25	02	1990	2226	1 48.9	158 5.3	1706.0	8.2	318	1.0	289	7.4	322	c/cs					1449
	25	02	1990	*2230	1 49.33	158 4.93	1706.6	9.5	320	2.2	311	7.4	322	GF	0.00 0.00	0	0.1	0.1	1450
	25	02	1990	*2239	1 50.42	158 4.00	1708.0	8.9	319	1.6	304	7.4	322	GF	0.00 0.00	0	0.3	0.2	1451
	25	02	1990	*2244	1 50.98	158 3.51	1708.8	9.2	320	1.8	314	7.4	322	GF	0.00 0.00	0	0.1	0.1	1452
	25	02	1990	*2249	1 51.57	158 3.02	1709.5	8.9	320	1.6	310	7.4	322	GF	0.00 0.00	0	0.2	0.1	1453
	25	02	1990	*2254	1 52.14	158 2.54	1710.3	8.9	319	1.6	304	7.4	322	GF	0.00 0.00	0	0.1	0.1	1454
	25	02	1990	2256	1 52.4	158 2.3	1710.6	9.0	319	1.6	304	7.4	322	c/cs					1455
	25	02	1990	*2259	1 52.70	158 2.05	1711.0	9.1	319	1.7	308	7.4	322	GF	0.00 0.00	0	0.1	0.1	1456
	25	02	1990	2304	1 53.3	158 1.6	1711.8	8.7	319	1.7	308	7.0	322	c/cs					1457
	25	02	1990	2308	1 53.7	158 1.2	1712.4	9.0	320	1.7	308	7.3	323	c/cs					1458
	25	02	1990	*2309	1 53.83	158 1.08	1712.5	8.8	320	1.6	306	7.3	323	GF	0.00 0.00	0	0.3	0.2	1459
	25	02	1990	*2314	1 54.39	158 0.61	1713.2	8.8	320	1.5	306	7.3	323	GF	0.00 0.00	0	0.1	0.1	1460
	25	02	1990	*2319	1 54.95	158 0.14	1714.0	8.8	319	1.6	303	7.3	323	GF	0.00 0.00	0	0.1	0.1	1461
	25	02	1990	*2324	1 55.51	157 59.66	1714.7	7.7	320	0.6	277	7.3	323	GF	0.00 0.00	0	0.1	0.1	1462
	25	02	1990	*2330	1 56.10	157 59.16	1715.5	9.8	320	2.5	310	7.3	323	GF	0.00 0.00	0	0.1	0.1	1463
	25	02	1990	2336	1 56.8	157 58.5	1716.5	9.7	319	2.5	310	7.2	322	c/cs					1464
	25	02	1990	*2339	1 57.21	157 58.21	1716.9	9.1	319	1.9	307	7.2	322	GF	0.00 0.00	0	0.4	0.2	1465
	25	02	1990	*2344	1 57.78	157 57.71	1717.7	9.0	319	1.9	306	7.2	322	GF	0.00 0.00	0	0.2	0.1	1466
	25	02	1990	2344	1 57.8	157 57.7	1717.7	9.1	319	1.9	306	7.3	322	c/cs					1467
	25	02	1990	*2349	1 58.35	157 57.21	1718.5	8.9	319	1.7	305	7.3	322	GF	0.00 0.00	0	0.2	0.1	1468
	25	02	1990	*2354	1 58.91	157 56.72	1719.2	7.7	319	0.6	275	7.3	322	GF	0.00 0.00	0	0.1	0.1	1469
	26	02	1990	*0000	1 59.49	157 56.21	1720.0	9.1	319	1.9	306	7.3	322	GF	0.00 0.00	0	0.1	0.1	1470
	26	02	1990	0000	1 59.5	157 56.2	1720.0	9.1	319	1.9	306	7.3	322	c/cs					1471
	26	02	1990	*0010	2 0.63	157 55.21	1721.5	9.2	318	2.0	302	7.3	322	GF	0.00 0.00	0	0.3	0.2	1472
	26	02	1990	0014	2 1.1	157 54.8	1722.1	9.3	318	2.0	302	7.4	322	c/cs					1473
	26	02	1990	*0015	2 1.20	157 54.69	1722.3	9.2	318	1.9	303	7.4	322	GF	0.00 0.00	0	0.2	0.1	1474
	26	02	1990	*0020	2 1.77	157 54.18	1723.0	9.1	319	1.8	305	7.4	322	GF	0.00 0.00	0	0.2	0.1	1475
	26	02	1990	*0025	2 2.34	157 53.68	1723.8	9.1	319	1.8	305	7.4	322	GF	0.00 0.00	0	0.1	0.1	1476
	26	02	1990	*0030	2 2.91	157 53.18	1724.5	9.3	318	2.0	304	7.4	322	GF	0.00 0.00	0	0.1	0.1	1477
	26	02	1990	*0035	2 3.49	157 52.66	1725.3	9.1	319	1.8	305	7.4	322	GF	0.00 0.00	0	0.2	0.1	1478
	26	02	1990	*0040	2 4.06	157 52.16	1726.1	9.1	319	1.8	305	7.4	322	GF	0.00 0.00	0	0.1	0.1	1479
	26	02	1990	0044	2 4.5	157 51.8	1726.7	9.0	319	1.8	305	7.3	322	c/cs					1480
	26	02	1990	*0045	2 4.63	157 51.66	1726.8	8.9	319	1.7	305	7.3	322	GF	0.00 0.00	0	0.2	0.1	1481
	26	02	1990	*0050	2 5.19	157 51.17	1727.6	9.0	319	1.7	304	7.3	322	GF	0.00 0.00	0	0.1	0.1	1482
	26	02	1990	*0100	2 6.31	157 50.18	1729.1	9.2	318	1.9	304	7.3	322	GF	0.00 0.00	0	0.3	0.2	1483
	26	02	1990	*0105	2 6.88	157 49.67	1729.8	9.0	318	1.8	303	7.3	322	GF	0.00 0.00	0	0.2	0.1	1484

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	speed	drift hed	dr speed	cmnt	prob. error (smajxsmi@az)	dist	drift time	no.		
																	1485		
																	1486		
26	02	1990		*0110	2 7.44	157 49.17	1730.6	9.0	318	1.8	302	7.3	322	GF	0.00 0.00	0	0.1	0.1	1487
26	02	1990		0114	2 7.9	157 48.8	1731.2	9.0	319	1.8	302	7.3	323	c/cs	0.00 0.00	0	0.1	0.1	1488
26	02	1990		*0115	2 8.00	157 48.67	1731.3	8.8	319	1.6	303	7.3	323	GF	0.00 0.00	0	0.1	0.1	1489
26	02	1990		*0120	2 8.56	157 48.19	1732.1	8.8	319	1.6	300	7.3	323	GF	0.00 0.00	0	0.3	0.2	1490
26	02	1990		*0130	2 9.67	157 47.22	1733.6	9.2	318	2.0	300	7.3	323	GF	0.00 0.00	0	0.2	0.1	1491
26	02	1990		*0135	2 10.24	157 46.71	1734.3	9.1	319	1.9	302	7.3	323	GF	0.00 0.00	0	0.2	0.1	1492
26	02	1990		*0140	2 10.81	157 46.21	1735.1	8.8	319	1.6	300	7.3	323	GF	0.00 0.00	0	0.1	0.1	1493
26	02	1990		0144	2 11.3	157 45.8	1735.7	8.6	319	1.6	300	7.2	323	c/cs	0.00 0.00	0	0.1	0.1	1494
26	02	1990		*0145	2 11.36	157 45.73	1735.8	8.8	319	1.8	305	7.2	323	GF	0.00 0.00	0	0.1	0.1	1495
26	02	1990		*0150	2 11.92	157 45.25	1736.5	8.8	319	1.7	302	7.2	323	GF	0.00 0.00	0	0.1	0.1	1496
26	02	1990		*0155	2 12.47	157 44.77	1737.3	8.3	318	1.3	293	7.2	323	GF	0.00 0.00	0	0.1	0.1	1497
26	02	1990		*0200	2 12.99	157 44.31	1738.0	9.1	318	2.1	299	7.2	323	GF	0.00 0.00	0	0.1	0.1	1498
26	02	1990		0202	2 13.2	157 44.1	1738.3	9.3	318	2.1	299	7.3	323	c/cs	0.00 0.00	0	0.4	0.2	1499
26	02	1990		*0210	2 14.13	157 43.27	1739.5	8.8	318	1.6	297	7.3	323	GF	0.00 0.00	0	0.1	0.1	1500
26	02	1990		*0215	2 14.68	157 42.78	1740.2	8.9	319	1.7	301	7.3	323	GF	0.00 0.00	0	0.1	0.1	1501
26	02	1990		*0220	2 15.24	157 42.29	1741.0	8.7	319	1.5	297	7.3	323	GF	0.00 0.00	0	0.3	0.2	1502
26	02	1990		*0230	2 16.33	157 41.33	1742.4	9.4	318	2.3	300	7.3	323	GF	0.00 0.00	0	0.2	0.1	1503
26	02	1990		0232	2 16.6	157 41.1	1742.8	9.4	318	2.3	300	7.3	323	c/cs	0.00 0.00	0	0.2	0.1	1504
26	02	1990		*0235	2 16.91	157 40.80	1743.2	8.9	319	1.7	301	7.3	323	GF	0.00 0.00	0	0.1	0.1	1505
26	02	1990		*0240	2 17.47	157 40.31	1744.0	8.9	317	1.8	291	7.3	323	GF	0.00 0.00	0	0.2	0.1	1506
26	02	1990		*0245	2 18.01	157 39.80	1744.7	8.9	318	1.8	296	7.3	323	GF	0.00 0.00	0	0.1	0.1	1507
26	02	1990		*0250	2 18.56	157 39.30	1745.5	8.8	317	1.7	291	7.3	323	GF	0.00 0.00	0	0.1	0.1	1508
26	02	1990		0253	2 18.9	157 39.0	1745.9	8.7	317	1.7	291	7.2	323	c/cs	0.00 0.00	0	0.3	0.2	1509
26	02	1990		*0300	2 19.62	157 38.31	1746.9	9.5	318	2.4	303	7.2	323	GF	0.00 0.00	0	0.2	0.1	1510
26	02	1990		*0305	2 20.21	157 37.78	1747.7	9.0	318	1.9	298	7.2	323	GF	0.00 0.00	0	0.2	0.1	1511
26	02	1990		0307	2 20.4	157 37.6	1748.0	8.9	319	1.9	298	7.2	325	c/cs	0.00 0.00	0	0.2	0.1	1512
26	02	1990		*0310	2 20.77	157 37.29	1748.4	8.9	319	2.0	295	7.2	325	GF	0.00 0.00	0	0.2	0.1	1513
26	02	1990		*0315	2 21.33	157 36.80	1749.2	8.8	319	1.8	297	7.2	325	GF	0.00 0.00	0	0.2	0.1	1514
26	02	1990		*0320	2 21.89	157 36.32	1749.9	8.6	319	1.7	291	7.2	325	GF	0.00 0.00	0	0.3	0.2	1515
26	02	1990		*0330	2 22.97	157 35.37	1751.4	9.5	319	2.5	301	7.2	325	GF	0.00 0.00	0	0.3	0.2	1516
26	02	1990		0332	2 23.2	157 35.2	1751.7	9.5	320	2.5	301	7.2	326	c/cs	0.00 0.00	0	0.4	0.2	1517
26	02	1990		*0340	2 24.18	157 34.34	1753.0	9.0	318	2.1	290	7.2	326	GF	0.00 0.00	0	0.2	0.1	1518
26	02	1990		*0345	2 24.74	157 33.84	1753.7	9.0	318	2.1	290	7.2	326	GF	0.00 0.00	0	0.2	0.1	1519
26	02	1990		*0350	2 25.30	157 33.34	1754.5	9.0	319	2.0	295	7.2	326	GF	0.00 0.00	0	0.2	0.1	1520
26	02	1990		*0355	2 25.87	157 32.85	1755.2	8.0	319	1.2	270	7.2	326	GF	0.00 0.00	0	0.1	0.1	1521
26	02	1990		*0400	2 26.37	157 32.41	1755.9	9.7	319	2.7	300	7.2	326	GF	0.00 0.00	0	0.1	0.1	1522
26	02	1990		0402	2 26.6	157 32.2	1756.2	9.7	319	2.7	300	7.2	326	c/cs	0.00 0.00	0	0.2	0.1	1523
26	02	1990		*0405	2 26.98	157 31.88	1756.7	8.8	319	1.9	291	7.2	326	GF	0.00 0.00	0	0.2	0.1	1524
26	02	1990		*0410	2 27.53	157 31.40	1757.4	8.7	318	1.8	287	7.2	326	GF	0.00 0.00	0	0.2	0.1	1525
26	02	1990		*0415	2 28.07	157 30.92	1758.1	8.5	320	1.6	290	7.2	326	GF	0.00 0.00	0	0.1	0.1	1526
26	02	1990		*0420	2 28.61	157 30.46	1758.8	8.6	319	1.7	289	7.2	326	GF	0.00 0.00	0	0.1	0.1	1527
26	02	1990		*0425	2 29.15	157 29.99	1759.6	7.5	320	0.8	257	7.2	326	GF	0.00 0.00	0	0.1	0.1	1528
26	02	1990		0428	2 29.4	157 29.8	1759.9	7.5	320	0.8	257	7.2	326	c/cs	0.00 0.00	0	0.1	0.1	1529
26	02	1990		*0430	2 29.63	157 29.59	1760.2	9.3	321	2.3	303	7.2	326	GF	0.00 0.00	0	0.4	0.2	1530
26	02	1990		*0440	2 30.83	157 28.60	1761.7	8.5	322	1.5	301	7.2	326	GF	0.00 0.00	0	0.1	0.1	1531
26	02	1990		*0445	2 31.39	157 28.16	1762.4	8.6	320	1.6	292	7.2	326	GF	0.00 0.00	0	0.1	0.1	1532
26	02	1990		0445	2 31.4	157 28.2	1762.4	8.5	321	1.6	292	7.1	327	c/cs	0.00 0.00	0	0.1	0.1	1533
26	02	1990		*0450	2 31.94	157 27.71	1763.2	8.7	321	1.8	294	7.1	327	GF	0.00 0.00	0	0.1	0.1	1534
26	02	1990		*0455	2 32.50	157 27.25	1763.9	7.2	322	0.6	237	7.1	327	GF	0.00 0.00	0	0.1	0.1	1535
26	02	1990		*0500	2 32.97	157 26.88	1764.5	9.3	321	2.3	303	7.1	327	GF	0.00 0.00	0	0.1	0.1	1536
26	02	1990		0501	2 33.1	157 26.8	1764.6	9.4	321	2.3	303	7.3	327	c/cs	0.00 0.00	0	0.2	0.1	1537
26	02	1990		*0505	2 33.58	157 26.39	1765.3	8.4	322	1.3	292	7.3	327	GF	0.00 0.00	0	0.1	0.1	1538
26	02	1990		*0510	2 34.13	157 25.96	1766.0	8.3	321	1.3	285	7.3	327	GF	0.00 0.00	0	0.1	0.1	1539

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	dist	drift time	no.	
26	02	1990		*0515	2 34.67	157 25.52	1766.7	8.4	322	1.3	292	7.3	327	GF	0.00 0.00	0	0.1	0.1	1538
26	02	1990		*0520	2 35.22	157 25.09	1767.4	7.8	322	0.9	270	7.3	327	GF	0.00 0.00	0	0.1	0.1	1539
26	02	1990		*0530	2 36.24	157 24.28	1768.7	9.2	322	2.0	302	7.3	327	GF	0.00 0.00	0	0.1	0.2	1540
26	02	1990		0531	2 36.4	157 24.2	1768.8	9.1	322	2.0	302	7.2	328	c/cs					1541
26	02	1990		*0540	2 37.44	157 23.35	1770.2	8.5	323	1.4	294	7.2	328	GF	0.00 0.00	0	0.3	0.2	1542
26	02	1990		*0545	2 38.00	157 22.92	1770.9	7.0	322	0.8	216	7.2	328	GF	0.00 0.00	0	0.1	0.1	1543
26	02	1990		*0551	2 38.55	157 22.49	1771.6	8.4	323	1.4	296	7.2	328	GF	0.00 0.00	0	0.1	0.1	1544
26	02	1990		*0600	2 39.56	157 21.73	1772.8	8.1	324	1.0	295	7.2	328	GF	0.00 0.00	0	0.2	0.2	1545
26	02	1990		*0601	2 39.67	157 21.65	1773.0	8.9	323	1.8	304	7.2	328	GF	0.00 0.00	0	0.0	0.0	1546
26	02	1990		0601	2 39.7	157 21.7	1773.0	8.3	324	1.8	304	6.7	329	c/cs					1547
26	02	1990		*0606	2 40.23	157 21.24	1773.7	7.9	325	1.3	303	6.7	329	GF	0.00 0.00	0	0.1	0.1	1548
26	02	1990		0607	2 40.3	157 21.2	1773.8	8.5	325	1.3	303	7.3	329	c/cs					1549
26	02	1990		*0611	2 40.80	157 20.84	1774.4	8.3	325	1.2	300	7.3	329	GF	0.00 0.00	0	0.1	0.1	1550
26	02	1990		*0616	2 41.37	157 20.44	1775.1	8.3	324	1.2	295	7.3	329	GF	0.00 0.00	0	0.1	0.1	1551
26	02	1990		*0621	2 41.93	157 20.04	1775.7	8.4	324	1.3	298	7.3	329	GF	0.00 0.00	0	0.1	0.1	1552
26	02	1990		*0626	2 42.50	157 19.63	1776.5	8.1	326	0.9	305	7.3	329	GF	0.00 0.00	0	0.1	0.1	1553
26	02	1990		*0630	2 42.95	157 19.33	1777.0	9.0	323	1.9	300	7.3	329	GF	0.00 0.00	0	0.1	0.1	1554
26	02	1990		*0631	2 43.07	157 19.24	1777.1	8.3	324	1.3	293	7.3	329	GF	0.00 0.00	0	0.0	0.0	1555
26	02	1990		*0636	2 43.63	157 18.83	1777.8	8.4	324	1.3	294	7.3	329	GF	0.00 0.00	0	0.1	0.1	1556
26	02	1990		0637	2 43.7	157 18.7	1778.0	8.4	323	1.3	294	7.3	328	c/cs					1557
26	02	1990		*0641	2 44.19	157 18.41	1778.5	8.6	324	1.4	304	7.3	328	GF	0.00 0.00	0	0.1	0.1	1558
26	02	1990		*0646	2 44.77	157 17.99	1779.3	8.7	323	1.5	301	7.3	328	GF	0.00 0.00	0	0.1	0.1	1559
26	02	1990		*0651	2 45.35	157 17.56	1780.0	8.6	322	1.6	295	7.3	328	GF	0.00 0.00	0	0.1	0.1	1560
26	02	1990		*0656	2 45.92	157 17.12	1780.7	8.5	324	1.3	304	7.3	328	GF	0.00 0.00	0	0.1	0.1	1561
26	02	1990		*0700	2 46.38	157 16.79	1781.3	8.8	322	1.7	295	7.3	328	GF	0.00 0.00	0	0.1	0.1	1562
26	02	1990		*0706	2 47.07	157 16.25	1782.1	8.6	324	1.4	303	7.3	328	GF	0.00 0.00	0	0.2	0.1	1563
26	02	1990		0706	2 47.1	157 16.2	1782.1	8.7	322	1.4	303	7.4	326	c/cs					1564
26	02	1990		*0716	2 48.22	157 15.36	1783.6	8.8	322	1.5	304	7.4	326	GF	0.00 0.00	0	0.2	0.2	1565
26	02	1990		*0721	2 48.80	157 14.91	1784.3	8.9	322	1.6	301	7.4	326	GF	0.00 0.00	0	0.1	0.1	1566
26	02	1990		*0726	2 49.38	157 14.45	1785.1	8.2	322	1.0	289	7.4	326	GF	0.00 0.00	0	0.1	0.1	1567
26	02	1990		*0730	2 49.81	157 14.11	1785.6	8.9	320	1.7	296	7.4	326	GF	0.00 0.00	0	0.1	0.1	1568
26	02	1990		*0736	2 50.50	157 13.54	1786.5	9.0	321	1.7	299	7.4	326	GF	0.00 0.00	0	0.2	0.1	1569
26	02	1990		0736	2 50.5	157 13.5	1786.5	8.9	321	1.7	299	7.4	326	c/cs					1570
26	02	1990		*0741	2 51.08	157 13.07	1787.2	8.7	321	1.5	294	7.4	326	GF	0.00 0.00	0	0.1	0.1	1571
26	02	1990		*0746	2 51.64	157 12.61	1788.0	8.7	321	1.5	294	7.4	326	GF	0.00 0.00	0	0.1	0.1	1572
26	02	1990		*0751	2 52.20	157 12.15	1788.7	8.5	321	1.4	291	7.4	326	GF	0.00 0.00	0	0.1	0.1	1573
26	02	1990		*0800	2 53.19	157 11.34	1790.0	9.4	320	2.2	300	7.4	326	GF	0.00 0.00	0	0.2	0.2	1574
26	02	1990		*0806	2 53.91	157 10.74	1790.9	8.8	321	1.5	297	7.4	326	GF	0.00 0.00	0	0.2	0.1	1575
26	02	1990		0806	2 53.9	157 10.7	1790.9	8.8	321	1.5	297	7.4	326	c/cs					1576
26	02	1990		*0816	2 55.05	157 9.82	1792.4	8.7	322	1.5	300	7.4	326	GF	0.00 0.00	0	0.3	0.2	1577
26	02	1990		*0821	2 55.62	157 9.37	1793.1	8.5	322	1.2	296	7.4	326	GF	0.00 0.00	0	0.1	0.1	1578
26	02	1990		*0830	2 56.62	157 8.58	1794.4	9.4	322	2.1	309	7.4	326	GF	0.00 0.00	0	0.2	0.2	1579
26	02	1990		0832	2 56.9	157 8.4	1794.7	9.4	321	2.1	309	7.3	324	c/cs					1580
26	02	1990		*0836	2 57.35	157 7.99	1795.3	8.9	321	1.6	305	7.3	324	GF	0.00 0.00	0	0.2	0.1	1581
26	02	1990		*0841	2 57.92	157 7.52	1796.1	8.8	320	1.6	300	7.3	324	GF	0.00 0.00	0	0.1	0.1	1582
26	02	1990		0843	2 58.1	157 7.3	1796.3	8.4	320	1.6	300	6.9	325	c/cs					1583
26	02	1990		*0846	2 58.47	157 7.06	1796.8	8.5	321	1.7	304	6.9	325	GF	0.00 0.00	0	0.1	0.1	1584
26	02	1990		0847	2 58.6	157 7.0	1796.9	9.0	320	1.7	304	7.4	324	c/cs					1585
26	02	1990		*0851	2 59.04	157 6.59	1797.5	8.4	321	1.1	297	7.4	324	GF	0.00 0.00	0	0.1	0.1	1586
26	02	1990		*0900	3 0.01	157 5.79	1798.8	9.7	321	2.3	311	7.4	324	GF	0.00 0.00	0	0.2	0.2	1587
26	02	1990		*0906	3 0.76	157 5.18	1799.7	9.1	321	1.8	308	7.4	324	GF	0.00 0.00	0	0.2	0.1	1588
26	02	1990		*0911	3 1.35	157 4.70	1800.5	8.9	320	1.7	301	7.4	324	GF	0.00 0.00	0	0.1	0.1	1589
26	02	1990		*0916	3 1.92	157 4.22	1801.2	8.8	321	1.5	303	7.4	324	GF	0.00 0.00	0	0.1	0.1	1590

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	cse	cmnt	prob. error (smajxsmi@az)	drift dist	drift time	no.		
#																			1591	
26	02	1990	0917		3 2.0	157 4.1	1801.4	8.9	321	1.5	303	7.5	324	c/cs					1592	
26	02	1990	*0921		3 2.49	157 3.75	1802.0	8.8	320	1.4	299	7.5	324	GF	0.00	0.00	0	0.1	0.1	1593
26	02	1990	*0926		3 3.05	157 3.28	1802.7	7.7	320	0.6	252	7.5	324	GF	0.00	0.00	0	0.0	0.1	1594
26	02	1990	*0930		3 3.44	157 2.95	1803.2	9.6	320	2.2	305	7.5	324	GF	0.00	0.00	0	0.2	0.1	1595
26	02	1990	*0936		3 4.17	157 2.33	1804.2	8.9	321	1.5	307	7.5	324	GF	0.00	0.00	0	0.1	0.1	1596
26	02	1990	*0941		3 4.75	157 1.86	1804.9	8.8	319	1.5	296	7.5	324	GF	0.00	0.00	0	0.1	0.1	1597
26	02	1990	*0946		3 5.31	157 1.38	1805.7	8.8	319	1.5	296	7.5	324	GF	0.00	0.00	0	0.1	0.1	1598
26	02	1990	0947		3 5.4	157 1.3	1805.8	8.8	320	1.5	296	7.4	325	c/cs						1599
26	02	1990	*0951		3 5.87	157 0.91	1806.4	8.2	319	1.1	278	7.4	325	GF	0.00	0.00	0	0.1	0.1	1600
26	02	1990	*1000		3 5.87	157 0.91	1806.4	9.4	319	2.2	300	7.4	325	GF	0.00	0.00	0	0.2	0.2	1601
26	02	1990	*1011		3 6.80	157 0.11	1807.6	8.8	320	1.5	296	7.4	325	GF	0.00	0.00	0	0.4	0.2	1602
26	02	1990	*1016		3 8.11	156 58.98	1809.3	8.8	320	1.5	296	7.4	325	GF	0.00	0.00	0	0.1	0.1	1603
26	02	1990	1016		3 8.67	156 58.5	1810.1	9.1	319	1.9	297	7.4	325	GF	0.00	0.00	0	0.1	0.1	1604
26	02	1990	*1021		3 8.7	156 58.5	1810.1	9.0	319	1.9	297	7.3	325	c/cs						1605
26	02	1990	*1021		3 8.7	156 58.5	1810.1	8.2	320	1.2	284	7.3	325	GF	0.00	0.00	0	0.2	0.2	1606
26	02	1990	*1030		3 9.24	156 58.02	1810.8	9.7	319	2.5	300	7.3	325	GF	0.00	0.00	0	0.2	0.2	1607
26	02	1990	*1030		3 10.18	156 57.22	1812.1	9.7	319	2.5	300	7.3	325	GF	0.00	0.00	0	0.5	0.2	1608
26	02	1990	*1041		3 11.51	156 56.05	1813.8	8.8	320	1.6	297	7.3	325	GF	0.00	0.00	0	0.1	0.1	1609
26	02	1990	1041		3 11.5	156 56.1	1813.8	8.8	318	1.6	297	7.3	323	c/cs						1610
26	02	1990	*1046		3 12.06	156 55.56	1814.6	9.0	318	1.8	299	7.3	323	GF	0.00	0.00	0	0.1	0.1	1611
26	02	1990	*1051		3 12.62	156 55.06	1815.3	8.9	318	1.7	295	7.3	323	GF	0.00	0.00	0	0.2	0.1	1612
26	02	1990	*1056		3 13.17	156 54.56	1816.1	7.1	318	0.7	212	7.3	323	GF	0.00	0.00	0	0.1	0.1	1613
26	02	1990	*1100		3 13.52	156 54.24	1816.5	9.7	319	2.5	306	7.3	323	GF	0.00	0.00	0	0.0	0.1	1614
26	02	1990	*1111		3 14.86	156 53.06	1818.3	7.6	318	0.7	258	7.3	323	GF	0.00	0.00	0	0.5	0.2	1615
26	02	1990	1111		3 14.9	156 53.1	1818.3	7.7	319	0.7	258	7.3	324	c/cs						1616
26	02	1990	*1117		3 14.9	156 53.1	1818.3	9.0	319	1.8	300	7.3	324	GF	0.00	0.00	0	0.1	0.1	1617
26	02	1990	*1122		3 15.44	156 52.56	1819.1	8.9	319	1.7	298	7.3	324	GF	0.00	0.00	0	0.1	0.1	1618
26	02	1990	*1122		3 16.01	156 52.07	1819.8	8.9	319	1.7	298	7.3	324	GF	0.00	0.00	0	0.2	0.1	1619
26	02	1990	*1130		3 16.91	156 51.29	1821.0	8.8	319	1.6	294	7.3	324	GF	0.00	0.00	0	0.2	0.1	1620
26	02	1990	*1137		3 17.68	156 50.61	1822.0	8.9	319	1.7	297	7.3	324	GF	0.00	0.00	0	0.2	0.1	1621
26	02	1990	1141		3 18.1	156 50.2	1822.6	8.9	318	1.7	297	7.3	323	c/cs						1622
26	02	1990	*1142		3 18.24	156 50.12	1822.8	9.0	319	1.7	304	7.3	323	GF	0.00	0.00	0	0.1	0.1	1623
26	02	1990	*1147		3 18.81	156 49.63	1823.5	8.7	319	1.5	297	7.3	323	GF	0.00	0.00	0	0.1	0.1	1624
26	02	1990	1159		3 20.1	156 48.5	1825.3	8.7	319	1.5	297	7.3	323	c/cs						1625
26	02	1990	*1200		3 20.23	156 48.38	1825.4	8.7	318	1.6	296	7.3	323	GF	0.00	0.00	0	0.3	0.2	1626
26	02	1990	*1207		3 20.99	156 47.70	1826.5	8.9	319	1.8	305	7.3	323	GF	0.00	0.00	0	0.2	0.1	1627
26	02	1990	1214		3 21.8	156 47.0	1827.5	8.5	319	1.8	305	6.8	322	c/cs						1628
26	02	1990	1218		3 22.2	156 46.6	1828.1	8.8	319	1.8	305	7.2	323	c/cs						1629
26	02	1990	1225		3 22.2	156 46.6	1828.1	8.8	320	1.8	305	7.2	324	c/cs						1630
26	02	1990	*1248		3 23.0	156 46.0	1829.1	8.8	319	1.6	299	7.2	324	SF	0.00	0.00	0	1.2	0.7	1631
26	02	1990	1255		3 25.60	156 43.80	1832.5	8.7	319	1.6	299	7.0	324	c/cs						1632
26	02	1990	1314		3 26.4	156 43.1	1833.5	8.5	319	1.6	299	7.0	324	c/cs						1633
26	02	1990	1326		3 28.4	156 41.4	1836.2	8.5	319	1.6	299	6.7	344	c/cs						1634
26	02	1990	1344		3 29.7	156 40.3	1837.9	8.0	336	1.6	299	6.8	344	c/cs						1635
26	02	1990	*1407		3 31.9	156 39.3	1840.3	8.1	336	1.6	299	6.8	344	c/cs						1636
26	02	1990	1412		3 34.72	156 37.98	1843.4	8.6	346	1.7	355	6.8	344	GF	0.00	0.00	0	2.2	1.3	1637
26	02	1990	*1417		3 35.4	156 37.8	1844.1	8.5	345	1.7	355	6.8	343	c/cs						1638
26	02	1990	*1422		3 35.4	156 37.8	1844.1	8.1	339	1.4	320	6.8	343	GF	0.00	0.00	0	0.3	0.2	1639
26	02	1990	1428		3 36.10	156 37.63	1844.8	8.1	339	1.4	320	6.8	343	GF	0.00	0.00	0	0.1	0.1	1640
26	02	1990	*1430		3 36.73	156 37.39	1845.5	7.6	338	1.0	303	6.8	343	GF	0.00	0.00	0	0.1	0.1	1641
26	02	1990	1446		3 37.4	156 37.1	1846.3	7.5	339	1.0	303	6.8	344	c/cs						1642
26	02	1990	*1437		3 37.67	156 37.02	1846.5	8.5	339	1.9	320	6.8	344	GF	0.00	0.00	0	0.1	0.1	1643
26	02	1990	*1442		3 37.67	156 37.02	1846.5	8.1	339	1.5	316	6.8	344	GF	0.00	0.00	0	0.2	0.1	1644
26	02	1990	1447		3 38.60	156 36.66	1847.5	8.1	339	1.5	316	6.8	344	GF	0.00	0.00	0	0.1	0.1	1645
26	02	1990	*1447		3 39.23	156 36.42	1848.2	7.7	340	1.1	314	6.8	344	GF	0.00	0.00	0	0.1	0.1	1646
26	02	1990	1447		3 39.7	156 36.2	1848.7	6.9	359	1.1	314	6.2	6	c/cs						1647
26	02	1990	*1447		3 39.7	156 36.2	1848.7	6.5	9	0.5	55	6.2	6	GF	0.00	0.00	0	0.1	0.1	1648
26	02	1990	1447		3 39.83	156 36.24	1848.8	5.7	49	0.5	55	5.3	48	c/cs						1649
26	02	1990	1449		3 39.8	156 36.2	1848.8	6.2	62	0.5	55	5.7	63	c/cs						1650
26	02	1990	1449		3 40.0	156 36.4	1849.0	6.2	62	0.5	55	5.7	63	c/cs						1651

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longituda deg min	dist	actual speed	drift cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	dist	drift time	no.	
#																			
26	02	1990	*1452		3 40.10	156 36.66	1849.3	6.1	61	0.4	33	5.7	63	GF	0.00 0.00	0	0.0	0.1	1644
																			1645
26	02	1990	1454		3 40.2	156 36.8	1849.5	7.6	62	0.4	33	7.2	64	c/cs					1646
26	02	1990	*1500		3 40.55	156 37.51	1850.3	8.3	66	1.1	77	7.2	64	GF	0.00 0.00	0	0.1	0.1	1647
26	02	1990	1502		3 40.7	156 37.8	1850.6	8.3	74	1.1	77	7.1	74	c/cs					1648
26	02	1990	*1507		3 40.85	156 38.43	1851.3	7.7	74	0.6	71	7.1	74	GF	0.00 0.00	0	0.0	0.1	1649
26	02	1990	*1512		3 41.03	156 39.05	1851.9	7.6	74	0.4	81	7.1	74	GF	0.00 0.00	0	0.0	0.1	1650
26	02	1990	*1517		3 41.20	156 39.66	1852.5	7.7	74	0.6	71	7.1	74	GF	0.00 0.00	0	0.0	0.1	1651
26	02	1990	*1522		3 41.38	156 40.28	1853.2	6.7	79	0.8	201	7.1	74	GF	0.00 0.00	0	0.0		1652
26	02	1990	1523		3 41.4	156 40.4	1853.3	6.6	112	0.8	201	6.6	105	c/cs					1653
26	02	1990	1524		3 41.4	156 40.5	1853.4	6.3	150	0.8	201	5.9	144	c/cs					1654
26	02	1990	1525		3 41.3	156 40.5	1853.5	8.5	212	0.8	201	7.7	213	c/cs					1655
26	02	1990	*1530		3 40.67	156 40.17	1854.2	9.4	217	1.8	234	7.7	213	GF	0.00 0.00	0	0.1	0.1	1656
26	02	1990	1534		3 40.2	156 39.8	1854.8	9.0	217	1.8	234	7.3	213	c/cs					1657
26	02	1990	*1537		3 39.81	156 39.52	1855.3	7.8	215	0.5	244	7.3	213	GF	0.00 0.00	0	0.2	0.1	1658
26	02	1990	*1542		3 39.28	156 39.15	1855.9	7.8	214	0.5	224	7.3	213	GF	0.00 0.00	0	0.0	0.1	1659
26	02	1990	*1547		3 38.74	156 38.79	1856.6	7.7	210	0.6	164	7.3	213	GF	0.00 0.00	0	0.0	0.1	1660
26	02	1990	*1552		3 38.18	156 38.47	1857.2	7.9	212	0.6	200	7.3	213	GF	0.00 0.00	0	0.0	0.1	1661
26	02	1990	*1557		3 37.62	156 38.12	1857.9	6.0	217	1.4	17	7.3	213	GF	0.00 0.00	0	0.1	0.1	1662
26	02	1990	*1600		3 37.38	156 37.94	1858.2	8.4	210	1.2	188	7.3	213	GF	0.00 0.00	0	0.1	0.1	1663
26	02	1990	1605		3 36.8	156 37.6	1858.9	7.3	196	1.2	188	6.2	198	c/cs					1664
26	02	1990	*1608		3 36.42	156 37.49	1859.2	6.2	198	0.0	23	6.2	198	807	0.00 0.00	0	0.2	0.1	1665
26	02	1990	1611		3 36.1	156 37.4	1859.6	6.4	203	0.0	23	6.4	203	c/cs					1666
26	02	1990	1630		3 34.3	156 36.6	1861.6	0.0	23	0.0	23	0.0	205	c/cs					1667
23	03	1990	*0000		3 36.39	156 37.49	1863.9	4.0	16	4.0	16	0.0	205	807	0.00 0.00	0	2.3	583.9	1668
23	03	1990	*0005		3 36.71	156 37.58	1864.2	2.2	300	2.2	300	0.0	205	GF	0.00 0.00	0	0.3	0.1	1669
23	03	1990	*0010		3 36.80	156 37.42	1864.4	2.9	303	2.9	303	0.0	205	GF	0.00 0.00	0	0.2	0.1	1670
23	03	1990	*0015		3 36.93	156 37.22	1864.6	3.1	298	3.1	298	0.0	205	GF	0.00 0.00	0	0.2	0.1	1671
23	03	1990	*0020		3 37.05	156 36.99	1864.9	0.9	33	0.9	33	0.0	205	GF	0.00 0.00	0	0.3	0.1	1672
23	03	1990	0020		3 37.1	156 37.0	1864.9	3.4	299	0.9	33	3.6	285	c/cs					1673
23	03	1990	*0025		3 37.19	156 36.74	1865.2	4.9	293	1.5	313	3.6	285	GF	0.00 0.00	0	0.1	0.1	1674
23	03	1990	*0030		3 37.35	156 36.36	1865.6	3.3	291	0.5	56	3.6	285	GF	0.00 0.00	0	0.1	0.1	1675
23	03	1990	0030		3 37.3	156 36.4	1865.6	6.6	292	0.5	56	6.9	289	c/cs					1676
23	03	1990	*0035		3 37.56	156 35.85	1866.1	8.2	291	1.3	299	6.9	289	GF	0.00 0.00	0	0.0	0.1	1677
23	03	1990	*0040		3 37.80	156 35.21	1866.8	8.3	293	1.5	311	6.9	289	GF	0.00 0.00	0	0.1	0.1	1678
23	03	1990	*0045		3 38.07	156 34.57	1867.5	8.3	291	1.5	301	6.9	289	GF	0.00 0.00	0	0.1	0.1	1679
23	03	1990	*0050		3 38.32	156 33.92	1868.2	8.3	292	1.5	307	6.9	289	GF	0.00 0.00	0	0.1	0.1	1680
23	03	1990	*0055		3 38.58	156 33.28	1868.9	8.3	293	1.5	311	6.9	289	GF	0.00 0.00	0	0.1	0.1	1681
23	03	1990	*0100		3 38.85	156 32.64	1869.6	7.4	291	0.6	321	6.9	289	GF	0.00 0.00	0	0.1	0.1	1682
23	03	1990	0100		3 38.9	156 32.6	1869.6	8.6	292	0.6	321	8.1	290	c/cs					1683
23	03	1990	*0105		3 39.12	156 31.97	1870.3	9.0	291	0.9	302	8.1	290	GF	0.00 0.00	0	0.0	0.1	1684
23	03	1990	*0110		3 39.39	156 31.27	1871.0	8.9	290	0.8	295	8.1	290	GF	0.00 0.00	0	0.1	0.1	1685
23	03	1990	*0115		3 39.65	156 30.57	1871.8	8.8	291	0.7	299	8.1	290	GF	0.00 0.00	0	0.1	0.1	1686
23	03	1990	*0120		3 39.91	156 29.88	1872.5	9.0	290	0.8	294	8.1	290	GF	0.00 0.00	0	0.1	0.1	1687
23	03	1990	*0125		3 40.17	156 29.18	1873.3	8.9	289	0.7	277	8.1	290	GF	0.00 0.00	0	0.1	0.1	1688
23	03	1990	*0130		3 40.41	156 28.48	1874.0	8.9	290	0.8	295	8.1	290	GF	0.00 0.00	0	0.1	0.1	1689
23	03	1990	*0135		3 40.67	156 27.78	1874.8	8.9	290	0.8	287	8.1	290	GF	0.00 0.00	0	0.1	0.1	1690
23	03	1990	*0140		3 40.92	156 27.08	1875.5	7.7	286	0.7	161	8.1	290	GF	0.00 0.00	0	0.1	0.1	1691
23	03	1990	0140		3 40.9	156 27.1	1875.5	9.3	299	0.7	161	9.9	302	c/cs					1692
23	03	1990	*0145		3 41.30	156 26.40	1876.3	9.8	303	0.1	74	9.9	302	GF	0.00 0.00	0	0.1	0.1	1693
23	03	1990	*0150		3 41.74	156 25.71	1877.1	9.9	313	1.8	36	9.9	302	GF	0.00 0.00	0	0.0	0.1	1694
23	03	1990	*0155		3 42.30	156 25.10	1877.9	9.8	304	0.3	57	9.9	302	GF	0.00 0.00	0	0.2	0.1	1695
23	03	1990	*0200		3 42.75	156 24.42	1878.7	10.2	303	0.4	344	9.9	302	GF	0.00 0.00	0	0.0	0.1	1696
23	03	1990	0229		3 45.5	156 20.3	1883.6	8.6	296	0.4	344	8.3	294	c/cs					1696

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmn@az)	drift dist	time	no.	
																			1697
																			1698
																			1699
23	03	1990		0232	3 45.6	156 19.9	1884.1	8.4	292	0.4	344	8.1	290	c/cs					
23	03	1990		0249	3 46.5	156 17.7	1886.4	8.6	291	0.4	344	8.4	289	c/cs					
23	03	1990		0304	3 47.3	156 15.7	1888.6	8.4	288	0.4	344	8.2	286	c/cs					
23	03	1990		*0310	3 47.56	156 14.91	1889.4	9.2	287	1.0	291	8.2	286	GF	0.00	0.00	0	0.4	1.2 1700
23	03	1990		*0315	3 47.78	156 14.17	1890.2	9.4	288	1.2	300	8.2	286	GF	0.00	0.00	0	0.1	0.1 1701
23	03	1990		*0317	3 47.9	156 13.9	1890.5	9.5	288	1.2	300	8.3	286	c/cs					1702
23	03	1990		*0320	3 48.02	156 13.42	1891.0	7.9	288	0.5	76	8.3	286	GF	0.00	0.00	0	0.1	0.1 1703
23	03	1990		*0325	3 48.22	156 12.79	1891.7	9.3	288	1.0	304	8.3	286	GF	0.00	0.00	0	0.0	0.1 1704
23	03	1990		*0330	3 48.46	156 12.05	1892.4	9.5	288	1.2	306	8.3	286	GF	0.00	0.00	0	0.1	0.1 1705
23	03	1990		*0335	3 48.71	156 11.30	1893.2	8.8	290	0.8	337	8.3	286	GF	0.00	0.00	0	0.1	0.1 1706
23	03	1990		*0341	3 49.01	156 10.47	1894.1	9.8	289	1.6	304	8.3	286	GF	0.00	0.00	0	0.1	0.1 1707
23	03	1990		*0345	3 49.22	156 9.85	1894.8	9.4	289	1.2	314	8.3	286	GF	0.00	0.00	0	0.1	0.1 1708
23	03	1990		0347	3 49.3	156 9.6	1895.1	9.4	289	1.2	314	8.3	286	c/cs					1709
23	03	1990		*0350	3 49.48	156 9.11	1895.5	9.4	289	1.1	309	8.3	286	GF	0.00	0.00	0	0.1	0.1 1710
23	03	1990		*0355	3 49.73	156 8.37	1896.3	9.1	288	0.9	313	8.3	286	GF	0.00	0.00	0	0.1	0.1 1711
23	03	1990		*0400	3 49.97	156 7.65	1897.1	9.3	288	1.0	304	8.3	286	GF	0.00	0.00	0	0.1	0.1 1712
23	03	1990		*0405	3 50.21	156 6.91	1897.8	9.1	289	1.0	318	8.3	286	GF	0.00	0.00	0	0.1	0.1 1713
23	03	1990		*0410	3 50.46	156 6.19	1898.6	9.1	289	0.9	319	8.3	286	GF	0.00	0.00	0	0.1	0.1 1714
23	03	1990		*0415	3 50.71	156 5.47	1899.4	9.0	289	0.8	317	8.3	286	GF	0.00	0.00	0	0.1	0.1 1715
23	03	1990		0417	3 50.8	156 5.2	1899.7	9.0	289	0.8	317	8.3	286	c/cs					1716
23	03	1990		*0420	3 50.95	156 4.76	1900.1	9.1	288	0.9	312	8.3	286	GF	0.00	0.00	0	0.1	0.1 1717
23	03	1990		*0425	3 51.19	156 4.04	1900.9	9.1	290	1.0	326	8.3	286	GF	0.00	0.00	0	0.1	0.1 1718
23	03	1990		*0430	3 51.45	156 3.33	1901.6	9.1	289	1.0	317	8.3	286	GF	0.00	0.00	0	0.1	0.1 1719
23	03	1990		*0435	3 51.70	156 2.61	1902.4	9.1	289	1.0	316	8.3	286	GF	0.00	0.00	0	0.1	0.1 1720
23	03	1990		*0440	3 51.95	156 1.89	1903.2	9.3	290	1.2	317	8.3	286	GF	0.00	0.00	0	0.1	0.1 1721
23	03	1990		*0445	3 52.21	156 1.16	1903.9	9.1	288	0.9	311	8.3	286	GF	0.00	0.00	0	0.1	0.1 1722
23	03	1990		0447	3 52.3	156 0.9	1904.2	9.0	289	0.9	311	8.3	286	c/cs					1723
23	03	1990		*0450	3 52.45	156 0.44	1904.7	9.3	290	1.2	315	8.2	286	GF	0.00	0.00	0	0.1	0.1 1724
23	03	1990		0458	3 52.9	155 59.3	1905.9	7.2	291	1.2	315	6.1	286	c/cs					1725
23	03	1990		0459	3 52.9	155 59.2	1906.0	9.4	289	1.2	315	8.3	285	c/cs					1726
23	03	1990		*0500	3 52.96	155 59.01	1906.2	9.0	289	1.0	330	8.3	285	GF	0.00	0.00	0	0.2	0.2 1727
23	03	1990		*0505	3 53.21	155 58.30	1906.9	9.1	289	1.0	325	8.3	285	GF	0.00	0.00	0	0.1	0.1 1728
23	03	1990		*0510	3 53.46	155 57.58	1907.7	9.2	290	1.1	328	8.3	285	GF	0.00	0.00	0	0.1	0.1 1729
23	03	1990		*0515	3 53.72	155 56.86	1908.5	9.4	290	1.4	322	8.3	285	GF	0.00	0.00	0	0.1	0.1 1730
23	03	1990		0517	3 53.8	155 56.6	1908.8	7.6	292	1.4	322	6.4	286	c/cs					1731
23	03	1990		*0520	3 53.97	155 56.21	1909.2	7.2	292	1.0	329	6.4	286	GF	0.00	0.00	0	0.1	0.1 1732
23	03	1990		*0525	3 54.19	155 55.65	1909.8	6.7	291	0.6	357	6.4	286	GF	0.00	0.00	0	0.1	0.1 1733
23	03	1990		0529	3 54.4	155 55.2	1910.2	6.7	290	0.6	357	6.5	285	c/cs					1734
23	03	1990		*0530	3 54.39	155 55.13	1910.3	8.0	291	1.7	315	6.5	285	GF	0.00	0.00	0	0.1	0.1 1735
23	03	1990		*0535	3 54.63	155 54.51	1911.0	7.3	293	1.3	339	6.5	285	GF	0.00	0.00	0	0.1	0.1 1736
23	03	1990		*0540	3 54.87	155 53.95	1911.6	7.6	291	1.4	322	6.5	285	GF	0.00	0.00	0	0.1	0.1 1737
23	03	1990		0540	3 54.9	155 54.0	1911.6	8.9	290	1.4	322	7.8	285	c/cs					1738
23	03	1990		*0545	3 55.13	155 53.25	1912.3	8.9	292	1.4	330	7.8	285	GF	0.00	0.00	0	0.1	0.1 1739
23	03	1990		0545	3 55.1	155 53.2	1912.3	9.3	290	1.4	330	8.3	284	c/cs					1740
23	03	1990		*0550	3 55.40	155 52.52	1913.1	9.2	289	1.3	328	8.3	284	GF	0.00	0.00	0	0.1	0.1 1741
23	03	1990		*0600	3 55.91	155 51.07	1914.7	9.3	288	1.2	316	8.3	284	GF	0.00	0.00	0	0.2	0.2 1742
23	03	1990		*0605	3 56.15	155 50.33	1915.4	9.2	288	1.2	322	8.3	284	GF	0.00	0.00	0	0.1	0.1 1743
23	03	1990		0609	3 56.3	155 49.7	1916.0	9.2	287	1.2	322	8.3	283	c/cs					1744
23	03	1990		*0610	3 56.39	155 49.60	1916.2	9.2	288	1.2	328	8.3	283	GF	0.00	0.00	0	0.1	0.1 1745
23	03	1990		*0615	3 56.63	155 48.87	1917.0	9.1	288	1.1	329	8.3	283	GF	0.00	0.00	0	0.1	0.1 1746
23	03	1990		0624	3 57.1	155 47.6	1918.3	8.7	289	1.1	329	7.9	284	c/cs					1747
23	03	1990		*0625	3 57.10	155 47.43	1918.5	9.1	288	1.4	315	7.9	284	GF	0.00	0.00	0	0.2	0.2 1748
23	03	1990		*0630	3 57.34	155 46.71	1919.2	8.9	288	1.2	317	7.9	284	GF	0.00	0.00	0	0.1	0.1 1749

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
#																		1750	
23	03	1990	0634		3 57.5	155 46.1	1919.8	9.0	287	1.2	317	8.1	283	c/cs				1751	
23	03	1990	*0635		3 57.57	155 46.00	1920.0	9.1	288	1.3	323	8.1	283	GF	0.00 0.00	0	0.1	0.1	1752
23	03	1990	0639		3 57.8	155 45.4	1920.6	9.1	289	1.3	323	8.0	284	c/cs				1753	
23	03	1990	*0640		3 57.81	155 45.28	1920.7	8.8	288	1.0	324	8.0	284	GF	0.00 0.00	0	0.1	0.1	1754
23	03	1990	*0645		3 58.04	155 44.58	1921.5	8.8	291	1.3	338	8.0	284	GF	0.00 0.00	0	0.1	0.1	1755
23	03	1990	*0650		3 58.30	155 43.89	1922.2	8.6	289	0.9	334	8.0	284	GF	0.00 0.00	0	0.1	0.1	1756
23	03	1990	0650		3 58.3	155 43.9	1922.2	8.9	289	0.9	334	8.3	285	c/cs				1757	
23	03	1990	0654		3 58.5	155 43.3	1922.8	8.9	290	0.9	334	8.2	286	c/cs				1758	
23	03	1990	*0655		3 58.55	155 43.19	1922.9	8.9	289	0.8	322	8.2	286	GF	0.00 0.00	0	0.1	0.1	1759
23	03	1990	*0700		3 58.79	155 42.49	1923.7	8.9	290	0.9	327	8.2	286	GF	0.00 0.00	0	0.1	0.1	1760
23	03	1990	*0705		3 59.04	155 41.79	1924.4	8.9	289	0.8	321	8.2	286	GF	0.00 0.00	0	0.1	0.1	1761
23	03	1990	*0710		3 59.28	155 41.09	1925.2	8.9	289	0.8	323	8.2	286	GF	0.00 0.00	0	0.1	0.1	1762
23	03	1990	*0715		3 59.52	155 40.39	1925.9	9.1	288	0.9	304	8.2	286	GF	0.00 0.00	0	0.1	0.1	1763
23	03	1990	*0720		3 59.75	155 39.67	1926.7	9.0	288	0.8	313	8.2	286	GF	0.00 0.00	0	0.1	0.2	1764
23	03	1990	*0730		4 0.22	155 38.25	1928.1	8.8	287	0.6	309	8.2	286	GF	0.00 0.00	0	0.0	0.1	1765
23	03	1990	*0735		4 0.44	155 37.55	1928.9	9.2	288	1.0	306	8.2	286	GF	0.00 0.00	0	0.0	0.1	1766
23	03	1990	0736		4 0.5	155 37.4	1929.0	8.7	287	1.0	306	7.8	285	c/cs				1767	
23	03	1990	*0740		4 0.66	155 36.85	1929.6	8.7	286	0.9	298	7.8	285	GF	0.00 0.00	0	0.1	0.1	1768
23	03	1990	0740		4 0.7	155 36.8	1929.6	9.0	286	0.9	298	8.1	285	c/cs				1769	
23	03	1990	*0745		4 0.87	155 36.13	1930.4	9.0	287	1.0	304	8.1	285	GF	0.00 0.00	0	0.1	0.1	1770
23	03	1990	*0750		4 1.09	155 35.41	1931.1	9.1	288	1.1	311	8.1	285	GF	0.00 0.00	0	0.1	0.1	1771
23	03	1990	0753		4 1.2	155 35.0	1931.6	8.6	288	1.1	311	7.6	285	c/cs				1772	
23	03	1990	0757		4 1.4	155 34.4	1932.1	9.3	289	1.1	311	8.3	286	c/cs				1773	
23	03	1990	*0800		4 1.56	155 33.99	1932.6	9.1	289	1.0	318	8.3	286	GF	0.00 0.00	0	0.2	0.2	1774
23	03	1990	*0805		4 1.81	155 33.27	1933.4	8.9	289	0.7	324	8.3	286	GF	0.00 0.00	0	0.1	0.1	1775
23	03	1990	*0810		4 2.05	155 32.57	1934.1	8.9	290	0.9	334	8.3	286	GF	0.00 0.00	0	0.1	0.1	1776
23	03	1990	*0815		4 2.31	155 31.87	1934.8	9.0	289	0.9	323	8.3	286	GF	0.00 0.00	0	0.1	0.1	1777
23	03	1990	*0820		4 2.56	155 31.16	1935.6	8.0	289	0.5	49	8.3	286	GF	0.00 0.00	0	0.1	0.1	1778
23	03	1990	*0825		4 2.78	155 30.53	1936.3	9.8	289	1.6	306	8.3	286	GF	0.00 0.00	0	0.0	0.1	1779
23	03	1990	0827		4 2.9	155 30.2	1936.6	9.9	289	1.6	306	8.4	286	c/cs				1780	
23	03	1990	*0830		4 3.05	155 29.75	1937.1	9.0	289	0.8	328	8.4	286	GF	0.00 0.00	0	0.1	0.1	1781
23	03	1990	*0835		4 3.30	155 29.04	1937.8	9.1	290	0.9	332	8.4	286	GF	0.00 0.00	0	0.1	0.1	1782
23	03	1990	*0840		4 3.56	155 28.33	1938.6	9.0	289	0.8	328	8.4	286	GF	0.00 0.00	0	0.1	0.1	1783
23	03	1990	*0845		4 3.81	155 27.62	1939.3	9.2	290	1.0	326	8.4	286	GF	0.00 0.00	0	0.1	0.1	1784
23	03	1990	*0850		4 4.07	155 26.90	1940.1	9.2	289	1.0	319	8.4	286	GF	0.00 0.00	0	0.1	0.1	1785
23	03	1990	0857		4 4.4	155 25.9	1941.2	9.0	291	1.0	319	8.1	288	c/cs				1786	
23	03	1990	*0900		4 4.4	155 25.9	1941.2	9.0	291	1.0	318	8.1	288	GF	0.00 0.00	0	0.2	0.2	1787
23	03	1990	*0905		4 4.59	155 25.46	1941.6	9.0	291	1.0	318	8.1	288	GF	0.00 0.00	0	0.1	0.1	1788
23	03	1990	0905		4 4.86	155 24.76	1942.4	9.0	292	1.1	324	8.1	288	GF	0.00 0.00	0	0.1	0.1	1789
23	03	1990	*0910		4 4.9	155 24.8	1942.4	9.2	293	1.1	324	8.3	289	c/cs				1790	
23	03	1990	*0915		4 5.16	155 24.05	1943.2	9.2	294	1.1	333	8.3	289	GF	0.00 0.00	0	0.1	0.1	1791
23	03	1990	*0920		4 5.47	155 23.35	1943.9	9.2	293	1.1	325	8.3	289	GF	0.00 0.00	0	0.1	0.1	1792
23	03	1990	*0930		4 5.77	155 22.64	1944.7	9.3	294	1.2	328	8.3	289	GF	0.00 0.00	0	0.2	0.2	1793
23	03	1990	0934		4 6.39	155 21.22	1946.2	9.4	294	1.3	324	8.3	289	GF	0.00 0.00	0	0.2	0.2	1794
23	03	1990	*0935		4 6.6	155 20.6	1946.9	8.1	295	1.3	324	7.0	290	c/cs				1795	
23	03	1990	0937		4 6.70	155 20.52	1947.0	8.5	295	1.7	318	7.0	290	GF	0.00 0.00	0	0.1	0.1	1796
23	03	1990	*0940		4 6.8	155 20.3	1947.3	9.9	294	1.7	318	8.4	289	c/cs				1797	
23	03	1990	*0945		4 7.02	155 19.81	1947.8	9.1	294	1.1	341	8.4	289	GF	0.00 0.00	0	0.1	0.1	1798
23	03	1990	*0950		4 7.33	155 19.12	1948.5	9.0	294	0.9	338	8.4	289	GF	0.00 0.00	0	0.1	0.1	1799
23	03	1990	0955		4 7.63	155 18.43	1949.3	9.0	293	1.0	336	8.4	289	GF	0.00 0.00	0	0.1	0.1	1800
23	03	1990	*1000		4 7.9	155 17.7	1950.0	8.7	294	1.0	336	8.0	289	c/cs				1801	
23	03	1990	*1005		4 8.22	155 17.07	1950.8	8.6	293	0.8	337	8.0	289	GF	0.00 0.00	0	0.2	0.2	1802
23	03	1990	1007		4 8.50	155 16.41	1951.5	8.7	292	0.8	320	8.0	289	GF	0.00 0.00	0	0.1	0.1	1803
23	03	1990			4 8.6	155 16.1	1951.8	8.5	291	0.8	320	7.8	288	c/cs				1804	

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	dist	drift time	no.	
23	03	1990	*1010	4	8.76	155 15.74	1952.2	8.6	291	0.9	321	7.8	288	GF	0.00 0.00	0	0.1	0.1	1803
23	03	1990	*1015	4	9.02	155 15.07	1952.9	8.2	293	0.8	354	7.8	288	GF	0.00 0.00	0	0.1	0.1	1804
23	03	1990	1015	4	9.0	155 15.1	1952.9	8.7	293	0.8	354	8.3	288	c/cs					1805
23	03	1990	*1020	4	9.30	155 14.40	1953.6	9.2	292	1.0	325	8.3	288	GF	0.00 0.00	0	0.1	0.1	1806
23	03	1990	1041	4	10.5	155 11.4	1956.8	9.1	292	1.0	325	8.2	288	c/cs					1807
23	03	1990	1047	4	10.8	155 10.6	1957.7	9.3	292	1.0	325	8.5	288	c/cs					1808
23	03	1990	1052	4	11.1	155 9.9	1958.5	8.7	292	1.0	325	7.9	288	c/cs					1809
23	03	1990	1055	4	11.3	155 9.4	1959.0	9.3	292	1.0	325	8.5	288	c/cs					1810
23	03	1990	*1105	4	11.87	155 8.00	1960.5	9.2	291	0.8	318	8.5	288	GF	0.00 0.00	0	0.8	0.8	1811
23	03	1990	*1110	4	12.14	155 7.28	1961.3	9.0	292	0.8	337	8.5	288	GF	0.00 0.00	0	0.1	0.1	1812
23	03	1990	*1115	4	12.42	155 6.58	1962.0	9.0	291	0.7	333	8.5	288	GF	0.00 0.00	0	0.1	0.1	1813
23	03	1990	1119	4	12.6	155 6.0	1962.6	8.9	291	0.7	333	8.4	288	c/cs					1814
23	03	1990	*1120	4	12.69	155 5.88	1962.8	9.0	291	0.7	329	8.4	288	GF	0.00 0.00	0	0.1	0.1	1815
23	03	1990	*1130	4	13.23	155 4.48	1964.3	9.0	291	0.7	330	8.4	288	GF	0.00 0.00	0	0.1	0.2	1816
23	03	1990	*1135	4	13.50	155 3.78	1965.0	8.8	291	0.6	333	8.4	288	GF	0.00 0.00	0	0.1	0.1	1817
23	03	1990	1137	4	13.6	155 3.5	1965.3	8.8	291	0.6	333	8.4	288	c/cs					1818
23	03	1990	*1140	4	13.76	155 3.09	1965.8	8.9	290	0.5	318	8.4	288	GF	0.00 0.00	0	0.0	0.1	1819
23	03	1990	*1145	4	14.01	155 2.39	1966.5	8.7	291	0.5	346	8.4	288	GF	0.00 0.00	0	0.0	0.1	1820
23	03	1990	*1150	4	14.27	155 1.71	1967.2	8.1	290	0.4	65	8.4	288	GF	0.00 0.00	0	0.0	0.1	1821
23	03	1990	1155	4	14.5	155 1.1	1967.9	7.6	290	0.4	65	7.9	288	c/cs					1822
23	03	1990	1159	4	14.7	155 0.6	1968.4	7.9	299	0.4	65	8.2	297	c/cs					1823
23	03	1990	*1200	4	14.74	155 0.48	1968.5	8.7	303	1.1	2	8.2	297	GF	0.00 0.00	0	0.1	0.2	1824
23	03	1990	1200	4	14.7	155 0.5	1968.5	8.9	331	1.1	2	8.0	327	c/cs					1825
23	03	1990	1204	4	15.3	155 0.2	1969.1	9.1	335	1.1	2	8.2	332	c/cs					1826
23	03	1990	1234	4	19.4	154 58.3	1973.7	9.0	335	1.1	2	8.1	332	c/cs					1827
23	03	1990	*1235	4	19.53	154 58.22	1973.8	9.2	339	1.5	17	8.1	332	GF	0.00 0.00	0	0.6	0.6	1828
23	03	1990	*1240	4	20.24	154 57.94	1974.6	9.0	340	1.5	27	8.1	332	GF	0.00 0.00	0	0.1	0.1	1829
23	03	1990	*1245	4	20.94	154 57.68	1975.4	9.0	335	1.1	2	8.1	332	GF	0.00 0.00	0	0.1	0.1	1830
23	03	1990	1249	4	21.3	154 57.5	1975.8	8.6	335	1.1	2	7.7	331	c/cs					1831
23	03	1990	*1250	4	21.61	154 57.37	1976.1	8.6	337	1.2	14	7.7	331	GF	0.00 0.00	0	0.1	0.1	1832
23	03	1990	1253	4	22.0	154 57.2	1976.5	9.0	335	1.2	14	8.1	330	c/cs					1833
23	03	1990	*1305	4	23.64	154 56.45	1978.3	9.2	332	1.2	342	8.1	330	GF	0.00 0.00	0	0.3	0.2	1834
23	03	1990	1306	4	23.8	154 56.4	1978.5	9.9	331	1.2	342	8.7	329	c/cs					1835
23	03	1990	*1310	4	24.35	154 56.05	1979.1	9.8	331	1.1	344	8.7	329	GF	0.00 0.00	0	0.1	0.1	1836
23	03	1990	*1315	4	25.06	154 55.65	1979.9	9.7	331	1.1	351	8.7	329	GF	0.00 0.00	0	0.1	0.1	1837
23	03	1990	*1320	4	25.77	154 55.26	1980.8	9.8	331	1.1	344	8.7	329	GF	0.00 0.00	0	0.1	0.1	1838
23	03	1990	*1330	4	27.19	154 54.46	1982.4	9.7	330	1.0	342	8.7	329	GF	0.00 0.00	0	0.2	0.2	1839
23	03	1990	1334	4	27.8	154 54.1	1983.0	9.6	330	1.0	342	8.6	329	c/cs					1840
23	03	1990	*1335	4	27.89	154 54.06	1983.2	9.3	331	0.8	353	8.6	329	GF	0.00 0.00	0	0.1	0.1	1841
23	03	1990	*1340	4	28.57	154 53.68	1984.0	9.6	331	1.0	348	8.6	329	GF	0.00 0.00	0	0.1	0.1	1842
23	03	1990	*1345	4	29.27	154 53.29	1984.8	9.9	331	1.3	342	8.6	329	GF	0.00 0.00	0	0.1	0.1	1843
23	03	1990	1348	4	29.7	154 53.0	1985.3	9.5	331	1.3	342	8.2	329	c/cs					1844
23	03	1990	*1350	4	29.98	154 52.89	1985.6	9.3	332	1.1	351	8.2	329	GF	0.00 0.00	0	0.1	0.1	1845
23	03	1990	1351	4	30.1	154 52.8	1985.7	9.8	331	1.1	351	8.8	328	c/cs					1846
23	03	1990	*1400	4	31.40	154 52.09	1987.2	9.6	331	1.0	359	8.8	328	GF	0.00 0.00	0	0.2	0.2	1847
23	03	1990	*1405	4	32.10	154 51.70	1988.0	9.5	330	0.8	349	8.8	328	GF	0.00 0.00	0	0.1	0.1	1848
23	03	1990	*1410	4	32.78	154 51.30	1988.8	9.5	330	0.9	356	8.8	328	GF	0.00 0.00	0	0.1	0.1	1849
23	03	1990	1414	4	33.3	154 51.0	1989.4	9.3	331	0.9	356	8.6	329	c/cs					1850
23	03	1990	*1415	4	33.47	154 50.91	1989.6	9.5	330	0.9	335	8.6	329	GF	0.00 0.00	0	0.1	0.1	1851
23	03	1990	*1420	4	34.15	154 50.51	1990.4	9.6	330	1.0	340	8.6	329	GF	0.00 0.00	0	0.1	0.1	1852
23	03	1990	1424	4	34.7	154 50.2	1991.0	9.6	330	1.0	340	8.6	329	c/cs					1853
23	03	1990	*1430	4	35.54	154 49.71	1992.0	9.4	329	0.7	332	8.6	329	GF	0.00 0.00	0	0.2	0.2	1854
23	03	1990	*1435	4	36.21	154 49.31	1992.8	9.4	330	0.8	344	8.6	329	GF	0.00 0.00	0	0.1	0.1	1855

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
23	03	1990	*1440	4	36.89	154 48.92	1993.5	9.5	331	0.9	346	8.6	329	GF	0.00 0.00	0	0.1	0.1	1856
23	03	1990	*1445	4	37.58	154 48.53	1994.3	9.6	329	1.0	327	8.6	329	GF	0.00 0.00	0	0.1	0.1	1857
23	03	1990	1445	4	37.6	154 48.5	1994.3	9.7	330	1.0	327	8.7	330	c/cs					1858
23	03	1990	*1450	4	38.28	154 48.12	1995.2	9.6	331	0.9	340	8.7	330	GF	0.00 0.00	0	0.1	0.1	1859
23	03	1990	*1455	4	38.98	154 47.73	1996.0	8.3	331	0.5	134	8.7	330	GF	0.00 0.00	0	0.1	0.1	1860
23	03	1990	1457	4	39.2	154 47.6	1996.2	7.9	331	0.5	134	8.4	330	c/cs					1861
23	03	1990	*1501	4	39.68	154 47.34	1996.8	9.5	331	1.1	337	8.4	330	GF	0.00 0.00	0	0.0	0.1	1862
23	03	1990	1505	4	40.2	154 47.0	1997.4	9.8	330	1.1	337	8.7	329	c/cs					1863
23	03	1990	*1506	4	40.37	154 46.95	1997.5	9.6	331	0.9	348	8.7	329	GF	0.00 0.00	0	0.1	0.1	1864
23	03	1990	*1516	4	41.76	154 46.17	1999.1	9.6	331	1.0	348	8.7	329	GF	0.00 0.00	0	0.2	0.2	1865
23	03	1990	*1521	4	42.46	154 45.78	1999.9	9.6	331	1.0	348	8.7	329	GF	0.00 0.00	0	0.1	0.1	1866
23	03	1990	*1526	4	43.16	154 45.39	2000.7	9.7	332	1.1	351	8.7	329	GF	0.00 0.00	0	0.1	0.1	1867
23	03	1990	*1530	4	43.73	154 45.08	2001.4	10.7	328	2.0	324	8.7	329	GF	0.00 0.00	0	0.1	0.1	1868
23	03	1990	1531	4	43.9	154 45.0	2001.6	10.5	329	2.0	324	8.5	330	c/cs					1869
23	03	1990	*1536	4	44.63	154 44.53	2002.4	8.7	333	0.5	36	8.5	330	GF	0.00 0.00	0	0.2	0.1	1870
23	03	1990	1541	4	45.3	154 44.2	2003.2	8.9	333	0.5	36	8.7	330	c/cs					1871
23	03	1990	*1546	4	45.94	154 43.86	2003.9	9.3	333	0.8	2	8.7	330	GF	0.00 0.00	0	0.1	0.2	1872
23	03	1990	*1551	4	46.63	154 43.50	2004.7	10.0	331	1.4	335	8.7	330	GF	0.00 0.00	0	0.1	0.1	1873
23	03	1990	1559	4	47.8	154 42.8	2006.0	7.7	331	1.4	335	6.4	330	c/cs					1874
23	03	1990	*1600	4	47.91	154 42.78	2006.2	7.5	332	1.1	340	6.4	330	GF	0.00 0.00	0	0.2	0.2	1875
23	03	1990	1600	4	47.9	154 42.8	2006.2	9.9	331	1.1	340	8.8	330	c/cs					1876
23	03	1990	*1606	4	48.78	154 42.30	2007.1	9.8	332	1.0	346	8.8	330	GF	0.00 0.00	0	0.1	0.1	1877
23	03	1990	*1611	4	49.50	154 41.91	2008.0	9.9	331	1.1	339	8.8	330	GF	0.00 0.00	0	0.1	0.1	1878
23	03	1990	*1616	4	50.22	154 41.51	2008.8	10.0	331	1.2	341	8.8	330	GF	0.00 0.00	0	0.1	0.1	1879
23	03	1990	*1621	4	50.95	154 41.11	2009.6	9.7	332	0.9	351	8.8	330	GF	0.00 0.00	0	0.1	0.1	1880
23	03	1990	*1626	4	51.66	154 40.73	2010.4	9.7	330	0.9	333	8.8	330	GF	0.00 0.00	0	0.1	0.1	1881
23	03	1990	*1630	4	52.22	154 40.41	2011.1	10.0	332	1.2	345	8.8	330	GF	0.00 0.00	0	0.1	0.1	1882
23	03	1990	1630	4	52.2	154 40.4	2011.1	9.8	331	1.2	345	8.7	329	c/cs					1883
23	03	1990	*1636	4	53.08	154 39.93	2012.1	9.6	331	1.0	349	8.7	329	GF	0.00 0.00	0	0.1	0.1	1884
23	03	1990	*1641	4	53.78	154 39.54	2012.9	9.7	331	1.1	349	8.7	329	GF	0.00 0.00	0	0.1	0.1	1885
23	03	1990	1642	4	53.9	154 39.5	2013.0	9.7	331	1.1	349	8.6	329	c/cs					1886
23	03	1990	*1646	4	54.49	154 39.15	2013.7	9.6	331	1.0	352	8.6	329	GF	0.00 0.00	0	0.1	0.1	1887
23	03	1990	1649	4	54.9	154 38.9	2014.1	9.6	332	1.0	352	8.6	330	c/cs					1888
23	03	1990	*1651	4	55.19	154 38.77	2014.5	9.6	331	1.0	339	8.6	330	GF	0.00 0.00	0	0.1	0.1	1889
23	03	1990	*1656	4	55.89	154 38.38	2015.3	9.3	331	0.6	346	8.6	330	GF	0.00 0.00	0	0.1	0.1	1890
23	03	1990	*1700	4	56.43	154 38.08	2015.9	9.7	331	1.1	340	8.6	330	GF	0.00 0.00	0	0.0	0.1	1891
23	03	1990	*1706	4	57.28	154 37.61	2016.8	9.5	332	0.9	346	8.6	330	GF	0.00 0.00	0	0.1	0.1	1892
23	03	1990	*1711	4	57.98	154 37.23	2017.6	9.5	332	1.0	353	8.6	330	GF	0.00 0.00	0	0.1	0.1	1893
23	03	1990	1711	4	58.0	154 37.2	2017.6	9.5	332	1.0	353	8.6	330	c/cs					1894
23	03	1990	*1716	4	58.68	154 36.86	2018.4	9.5	331	0.9	344	8.6	330	GF	0.00 0.00	0	0.1	0.1	1895
23	03	1990	*1721	4	59.37	154 36.48	2019.2	9.4	332	0.8	350	8.6	330	GF	0.00 0.00	0	0.1	0.1	1896
23	03	1990	*1730	5	0.61	154 35.81	2020.6	10.1	332	1.5	343	8.6	330	GF	0.00 0.00	0	0.1	0.2	1897
23	03	1990	1734	5	1.2	154 35.5	2021.3	9.8	332	1.5	343	8.3	330	c/cs					1898
23	03	1990	*1736	5	1.49	154 35.34	2021.6	9.5	331	1.2	340	8.3	330	GF	0.00 0.00	0	0.2	0.1	1899
23	03	1990	1738	5	1.8	154 35.2	2021.9	9.9	331	1.2	340	8.6	330	c/cs					1900
23	03	1990	*1741	5	2.20	154 34.95	2022.4	9.7	332	1.0	348	8.6	330	GF	0.00 0.00	0	0.1	0.1	1901
23	03	1990	*1746	5	2.91	154 34.57	2023.2	9.8	332	1.2	349	8.6	330	GF	0.00 0.00	0	0.1	0.1	1902
23	03	1990	*1751	5	3.63	154 34.19	2024.1	10.0	333	1.4	351	8.6	330	GF	0.00 0.00	0	0.1	0.1	1903
23	03	1990	*1756	5	4.37	154 33.81	2024.9	9.2	331	0.6	350	8.6	330	GF	0.00 0.00	0	0.1	0.1	1904
23	03	1990	1758	5	4.6	154 33.7	2025.2	9.1	332	0.6	350	8.5	331	c/cs					1905
23	03	1990	*1800	5	4.91	154 33.52	2025.5	10.0	334	1.6	351	8.5	331	GF	0.00 0.00	0	0.0	0.1	1906
23	03	1990	*1806	5	5.81	154 33.08	2026.5	9.6	334	1.2	1	8.5	331	GF	0.00 0.00	0	0.2	0.1	1907
23	03	1990	1809	5	6.2	154 32.9	2027.0	9.8	336	1.2	1	8.7	333	c/cs					1908

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#	#da	mo	yr	time	latitude	longitude	dist	actual	drift	dr	prob. error	drift	no.
#					deg	deg		speed	speed	speed	(smajxsmn@az)	dist	time
#					deg	deg		cse	hed	cse	cmnt		
23	03	1990	*1811	5	6.54	154 32.74	2027.3	9.7 336	1.1 1	8.7 333	GF	0.00 0.00	0 0.1 0.1 1909
23	03	1990	*1816	5	7.28	154 32.41	2028.1	9.8 334	1.1 341	8.7 333	GF	0.00 0.00	0 0.1 0.1 1910
23	03	1990	*1821	5	8.01	154 32.05	2028.9	9.4 335	0.8 1	8.7 333	GF	0.00 0.00	0 0.1 0.1 1911
23	03	1990	1826	5	8.7	154 31.7	2029.7	9.6 335	0.8 1	8.9 333	c/cs		0 0.1 0.2 1912
23	03	1990	*1830	5	9.31	154 31.45	2030.4	10.5 334	1.6 342	8.9 333	GF	0.00 0.00	0 0.1 0.2 1913
23	03	1990	1833	5	9.8	154 31.2	2030.9	10.3 335	1.6 342	8.7 333	c/cs		0 0.2 0.1 1914
23	03	1990	*1836	5	10.25	154 31.00	2031.4	9.6 334	0.9 345	8.7 333	GF	0.00 0.00	0 0.1 0.1 1915
23	03	1990	*1841	5	10.97	154 30.65	2032.2	9.8 334	1.1 341	8.7 333	GF	0.00 0.00	0 0.1 0.1 1916
23	03	1990	*1846	5	11.70	154 30.29	2033.0	9.7 337	1.2 6	8.7 333	GF	0.00 0.00	0 0.1 0.1 1917
23	03	1990	1850	5	12.3	154 30.0	2033.7	9.6 336	1.2 6	8.6 332	c/cs		0 0.1 0.1 1918
23	03	1990	*1851	5	12.44	154 29.97	2033.8	9.8 336	1.4 5	8.6 332	GF	0.00 0.00	0 0.1 0.1 1919
23	03	1990	*1856	5	13.19	154 29.64	2034.6	8.5 338	1.0 72	8.6 332	GF	0.00 0.00	0 0.1 0.1 1920
23	03	1990	1859	5	13.6	154 29.5	2035.1	8.7 338	1.0 72	8.8 332	c/cs		0 0.1 0.1 1921
23	03	1990	*1900	5	13.72	154 29.43	2035.2	10.3 334	1.5 347	8.8 332	GF	0.00 0.00	0 0.1 0.1 1922
23	03	1990	1909	5	15.1	154 28.8	2036.7	10.4 335	1.5 347	9.0 333	c/cs		0 0.3 0.2 1923
23	03	1990	*1911	5	15.42	154 28.61	2037.1	9.9 336	1.0 0	9.0 333	GF	0.00 0.00	0 0.1 0.1 1924
23	03	1990	*1916	5	16.17	154 28.27	2037.9	9.9 335	1.0 354	9.0 333	GF	0.00 0.00	0 0.1 0.1 1925
23	03	1990	*1921	5	16.92	154 27.92	2038.7	9.3 335	0.4 21	9.0 333	GF	0.00 0.00	0 0.1 0.1 1926
23	03	1990	*1930	5	18.18	154 27.33	2040.1	10.7 336	1.8 350	9.0 333	GF	0.00 0.00	0 0.1 0.2 1927
23	03	1990	*1936	5	19.16	154 26.89	2041.2	9.9 338	1.2 14	9.0 333	GF	0.00 0.00	0 0.2 0.1 1928
23	03	1990	1939	5	19.6	154 26.7	2041.7	9.8 337	1.2 14	8.9 332	c/cs		0 0.1 0.1 1929
23	03	1990	*1941	5	19.92	154 26.57	2042.0	9.8 335	1.1 5	8.9 332	GF	0.00 0.00	0 0.1 0.1 1930
23	03	1990	*1946	5	20.66	154 26.23	2042.8	9.9 336	1.3 8	8.9 332	GF	0.00 0.00	0 0.1 0.1 1931
23	03	1990	1948	5	21.0	154 26.1	2043.2	9.8 336	1.3 8	8.7 332	c/cs		0 0.1 0.1 1932
23	03	1990	*1951	5	21.41	154 25.90	2043.7	9.2 337	0.8 33	8.7 332	GF	0.00 0.00	0 0.1 0.1 1933
23	03	1990	*2000	5	22.67	154 25.35	2045.0	10.2 336	1.6 358	8.7 332	GF	0.00 0.00	0 0.1 0.2 1934
23	03	1990	2002	5	23.0	154 25.2	2045.4	10.3 336	1.6 358	8.8 332	c/cs		0 0.3 0.2 1935
23	03	1990	*2011	5	24.39	154 24.58	2046.9	9.9 336	1.2 4	8.8 332	GF	0.00 0.00	0 0.1 0.1 1936
23	03	1990	*2016	5	25.14	154 24.24	2047.7	9.7 335	1.0 4	8.8 332	GF	0.00 0.00	0 0.1 0.1 1937
23	03	1990	*2021	5	25.87	154 23.90	2048.5	9.6 336	1.0 12	8.8 332	GF	0.00 0.00	0 0.1 0.1 1938
23	03	1990	*2026	5	26.60	154 23.57	2049.3	8.7 335	0.5 80	8.8 332	GF	0.00 0.00	0 0.1 0.1 1939
23	03	1990	2028	5	26.9	154 23.4	2049.6	6.0 338	0.5 80	6.2 334	c/cs		0 0.1 0.1 1940
23	03	1990	2029	5	27.0	154 23.4	2049.7	8.8 336	0.5 80	8.9 333	c/cs		0 0.0 0.1 1941
23	03	1990	*2030	5	27.09	154 23.35	2049.9	10.8 334	1.9 340	8.9 333	GF	0.00 0.00	0 0.2 0.1 1942
23	03	1990	*2036	5	28.06	154 22.88	2051.0	9.5 333	0.6 337	8.9 333	GF	0.00 0.00	0 0.1 0.1 1943
23	03	1990	*2041	5	28.77	154 22.52	2051.8	9.7 333	0.8 332	8.9 333	GF	0.00 0.00	0 0.1 0.1 1944
23	03	1990	*2046	5	29.49	154 22.15	2052.6	9.5 331	0.7 299	8.9 333	GF	0.00 0.00	0 0.1 0.1 1945
23	03	1990	*2051	5	30.18	154 21.76	2053.4	9.0 334	0.1 31	8.9 333	GF	0.00 0.00	0 0.1 0.1 1946
23	03	1990	2054	5	30.6	154 21.6	2053.8	8.8 334	0.1 31	8.7 333	c/cs		0 0.0 0.2 1947
23	03	1990	*2100	5	31.37	154 21.17	2054.7	10.4 334	1.7 336	8.8 333	GF	0.00 0.00	0 0.2 0.1 1948
23	03	1990	2100	5	31.4	154 21.2	2054.7	10.5 334	1.7 336	8.8 333	c/cs		0 0.2 0.1 1949
23	03	1990	*2106	5	32.31	154 20.70	2055.7	9.7 334	0.9 346	8.8 333	GF	0.00 0.00	0 0.1 0.1 1950
23	03	1990	2107	5	32.5	154 20.6	2055.9	9.2 334	0.9 346	8.4 333	c/cs		0 0.1 0.1 1951
23	03	1990	*2111	5	33.01	154 20.36	2056.5	8.9 334	0.5 342	8.4 333	GF	0.00 0.00	0 0.1 0.1 1952
23	03	1990	2111	5	33.0	154 20.4	2056.5	9.4 333	0.5 342	8.9 333	c/cs		0 0.0 0.1 1953
23	03	1990	*2116	5	33.71	154 20.01	2057.3	9.3 333	0.4 338	8.9 333	GF	0.00 0.00	0 0.0 0.1 1954
23	03	1990	*2121	5	34.40	154 19.66	2058.1	8.7 333	0.2 141	8.9 333	GF	0.00 0.00	0 0.0 0.1 1955
23	03	1990	2129	5	35.4	154 19.1	2059.2	7.9 333	0.2 141	8.1 333	c/cs		0 0.0 0.2 1956
23	03	1990	*2130	5	35.55	154 19.08	2059.4	9.4 333	1.4 335	8.1 333	GF	0.00 0.00	0 0.0 0.2 1957
23	03	1990	2133	5	36.0	154 18.9	2059.8	10.2 333	1.4 335	8.9 333	c/cs		0 0.3 0.2 1958
23	03	1990	*2141	5	37.19	154 18.25	2061.2	9.4 334	0.5 343	8.9 333	GF	0.00 0.00	0 0.3 0.2 1959
23	03	1990	2144	5	37.6	154 18.0	2061.7	9.2 333	0.5 343	8.7 332	c/cs		0 0.0 0.1 1960
23	03	1990	*2146	5	37.88	154 17.90	2062.0	9.2 332	0.6 335	8.7 332	GF	0.00 0.00	0 0.0 0.1 1961

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed cse	drift speed hed	dr speed cse	cmnt	prob. error (smajxsmineaz)	drift dist	time	no.
#															
23	03	1990		*2151	5 38.56	154 17.54	2062.7	9.3 334	0.7 353	8.7 332	GF	0.00 0.00	0	0.0	0.1 1962
23	03	1990		2155	5 39.1	154 17.3	2063.4	8.8 335	0.7 353	8.1 334	c/cs				1963
23	03	1990		*2156	5 39.25	154 17.20	2063.5	6.3 333	1.9 156	8.1 334	GF	0.00 0.00	0	0.1	0.1 1964
23	03	1990		2158	5 39.4	154 17.1	2063.7	4.9 332	1.9 156	6.7 333	c/cs				1965
23	03	1990		*2200	5 39.58	154 17.03	2063.9	7.5 333	0.7 328	6.7 333	GF	0.00 0.00	0	0.1	0.1 1966
23	03	1990		2201	5 39.7	154 17.0	2064.0	7.0 332	0.7 328	6.3 333	c/cs				1967
23	03	1990		2202	5 39.8	154 16.9	2064.1	7.7 333	0.7 328	7.0 333	c/cs				1968
23	03	1990		*2206	5 40.25	154 16.68	2064.6	6.8 332	0.2 192	7.0 333	GF	0.00 0.00	0	0.1	0.1 1969
23	03	1990		*2211	5 40.75	154 16.41	2065.2	5.9 333	1.0 152	7.0 333	GF	0.00 0.00	0	0.0	0.1 1970
23	03	1990		*2217	5 41.28	154 16.14	2065.8	8.0 332	1.0 325	7.0 333	GF	0.00 0.00	0	0.1	0.1 1971
23	03	1990		2221	5 41.8	154 15.9	2066.3	10.1 332	1.0 325	9.1 333	c/cs				1972
23	03	1990		*2222	5 41.90	154 15.81	2066.5	9.6 333	0.5 328	9.1 333	GF	0.00 0.00	0	0.1	0.1 1973
23	03	1990		*2230	5 43.04	154 15.22	2067.8	9.8 338	1.1 30	9.1 333	GF	0.00 0.00	0	0.1	0.1 1974
23	03	1990		2230	5 43.0	154 15.2	2067.8	9.5 328	1.1 30	9.1 322	c/cs				1975
23	03	1990		*2232	5 43.31	154 15.05	2068.1	9.7 323	0.6 335	9.1 322	GF	0.00 0.00	0	0.0	0.0 1976
23	03	1990		2232	5 43.3	154 15.1	2068.1	9.7 312	0.6 335	9.1 310	c/cs				1977
23	03	1990		2236	5 43.7	154 14.6	2068.7	10.4 314	0.6 335	9.8 313	c/cs				1978
23	03	1990		*2237	5 43.86	154 14.44	2068.9	10.2 312	0.4 294	9.8 313	GF	0.00 0.00	0	0.1	0.1 1979
23	03	1990		*2242	5 44.43	154 13.81	2069.8	10.7 313	0.9 317	9.8 313	GF	0.00 0.00	0	0.0	0.1 1980
23	03	1990		2247	5 45.04	154 13.16	2070.6	11.7 313	1.9 313	9.8 313	GF	0.00 0.00	0	0.1	0.1 1981
23	03	1990		2248	5 45.2	154 13.0	2070.8	3.2 314	1.9 313	1.3 315	c/cs				1982
23	03	1990		2249	5 45.2	154 13.0	2070.9	11.8 314	1.9 313	9.8 314	c/cs				1983
23	03	1990		*2252	5 45.62	154 12.55	2071.5	10.3 313	0.4 299	9.8 314	GF	0.00 0.00	0	0.2	0.1 1984
23	03	1990		*2300	5 46.56	154 11.55	2072.9	10.4 314	0.6 306	9.8 314	GF	0.00 0.00	0	0.1	0.1 1985
23	03	1990		2301	5 46.7	154 11.4	2073.0	10.6 314	0.6 306	10.0 314	c/cs				1986
23	03	1990		*2307	5 47.41	154 10.65	2074.1	10.9 313	1.0 301	10.0 314	GF	0.00 0.00	0	0.1	0.1 1987
23	03	1990		2313	5 48.2	154 9.8	2075.2	7.7 312	1.0 301	6.7 314	c/cs				1988
23	03	1990		2314	5 48.2	154 9.7	2075.3	11.5 314	1.0 301	10.6 315	c/cs				1989
23	03	1990		*2317	5 48.64	154 9.33	2075.9	11.0 314	0.4 296	10.6 315	GF	0.00 0.00	0	0.2	0.2 1990
23	03	1990		*2322	5 49.28	154 8.67	2076.8	11.0 314	0.4 296	10.6 315	GF	0.00 0.00	0	0.0	0.1 1991
23	03	1990		*2327	5 49.92	154 8.01	2077.7	10.7 314	0.3 250	10.6 315	GF	0.00 0.00	0	0.0	0.1 1992
23	03	1990		*2330	5 50.29	154 7.62	2078.3	11.7 314	1.1 309	10.6 315	GF	0.00 0.00	0	0.0	0.1 1993
23	03	1990		2336	5 51.1	154 6.8	2079.4	12.2 314	1.1 309	11.1 314	c/cs				1994
23	03	1990		*2337	5 51.25	154 6.63	2079.6	11.7 315	0.6 335	11.1 314	GF	0.00 0.00	0	0.1	0.1 1995
23	03	1990		*2342	5 51.94	154 5.94	2080.6	11.8 315	0.8 331	11.1 314	GF	0.00 0.00	0	0.1	0.1 1996
23	03	1990		*2347	5 52.64	154 5.24	2081.6	11.9 315	0.8 325	11.1 314	GF	0.00 0.00	0	0.1	0.1 1997
23	03	1990		*2352	5 53.34	154 4.53	2082.6	11.6 314	0.5 314	11.1 314	GF	0.00 0.00	0	0.1	0.1 1998
23	03	1990		2357	5 54.0	154 3.8	2083.6	11.6 315	0.5 314	11.1 315	c/cs				1999
24	03	1990		*0000	5 54.42	154 3.42	2084.1	12.3 315	1.3 316	11.1 315	GF	0.00 0.00	0	0.1	0.1 2000
24	03	1990		0000	5 54.4	154 3.4	2084.1	12.3 315	1.3 316	11.1 315	c/cs				2001
24	03	1990		*0007	5 55.44	154 2.40	2085.6	11.7 316	0.6 329	11.1 315	GF	0.00 0.00	0	0.1	0.1 2002
24	03	1990		0007	5 55.4	154 2.4	2085.6	11.9 315	0.6 329	11.4 314	c/cs				2003
24	03	1990		*0012	5 56.14	154 1.69	2086.6	12.1 315	0.8 326	11.4 314	GF	0.00 0.00	0	0.1	0.1 2004
24	03	1990		*0017	5 56.85	154 0.97	2087.6	12.3 316	1.0 334	11.4 314	GF	0.00 0.00	0	0.1	0.1 2005
24	03	1990		*0022	5 57.58	154 0.25	2088.6	11.7 316	0.5 356	11.4 314	GF	0.00 0.00	0	0.1	0.1 2006
24	03	1990		*0030	5 58.70	153 59.15	2090.2	12.5 315	1.1 321	11.4 314	GF	0.00 0.00	0	0.1	0.1 2007
24	03	1990		0033	5 59.1	153 58.7	2090.8	12.6 315	1.1 321	11.5 314	c/cs				2008
24	03	1990		*0037	5 59.73	153 58.10	2091.6	12.4 315	0.9 325	11.5 314	GF	0.00 0.00	0	0.1	0.1 2009
24	03	1990		0040	6 0.2	153 57.7	2092.2	12.1 315	0.9 325	11.3 314	c/cs				2010
24	03	1990		*0042	6 0.45	153 57.37	2092.7	11.8 314	0.6 321	11.3 314	GF	0.00 0.00	0	0.1	0.1 2011
24	03	1990		*0047	6 1.14	153 56.66	2093.6	12.0 315	0.8 326	11.3 314	GF	0.00 0.00	0	0.0	0.1 2012
24	03	1990		0048	6 1.3	153 56.5	2093.8	12.1 315	0.8 326	11.4 314	c/cs				2013
24	03	1990		*0052	6 1.85	153 55.94	2094.6	11.6 314	0.2 306	11.4 314	GF	0.00 0.00	0	0.1	0.1 2014

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	drift speed	drift cse	cmnt	prob. error (majxsmn@az)	error dist	drift time	no.	
#																			
24	03	1990	*0442		6 33.52	153 21.56	2141.3	12.3	312	0.8	345	11.6	310	GF	0.00 0.00	0	0.1	0.1	2068
24	03	1990	0444		6 33.8	153 21.3	2141.7	12.1	313	0.8	345	11.4	311	c/cs					2069
24	03	1990	*0447		6 34.21	153 20.81	2142.3	12.4	313	1.1	336	11.4	311	GF	0.00 0.00	0	0.1	0.1	2070
24	03	1990	*0452		6 34.92	153 20.05	2143.3	11.1	312	0.4	87	11.4	311	GF	0.00 0.00	0	0.1	0.1	2071
24	03	1990	0458		6 35.7	153 19.2	2144.4	11.2	312	0.4	87	11.5	311	c/cs					2072
24	03	1990	*0500		6 35.92	153 18.95	2144.8	13.3	313	1.8	324	11.5	311	GF	0.00 0.00	0	0.1	0.1	2073
24	03	1990	*0512		6 37.72	153 16.99	2147.4	12.3	313	0.9	341	11.5	311	GF	0.00 0.00	0	0.4	0.2	2074
24	03	1990	*0517		6 38.42	153 16.24	2148.5	12.3	313	0.9	342	11.5	311	GF	0.00 0.00	0	0.1	0.1	2075
24	03	1990	0521		6 39.0	153 15.6	2149.3	12.2	313	0.9	342	11.4	311	c/cs					2076
24	03	1990	*0522		6 39.12	153 15.49	2149.5	10.8	313	0.7	95	11.4	311	GF	0.00 0.00	0	0.1	0.1	2077
24	03	1990	*0530		6 40.11	153 14.43	2150.9	12.3	312	1.0	329	11.4	311	GF	0.00 0.00	0	0.1	0.1	2078
24	03	1990	0531		6 40.2	153 14.3	2151.1	12.4	312	1.0	329	11.5	311	c/cs					2079
24	03	1990	0535		6 40.8	153 13.7	2152.0	12.3	313	1.0	329	11.4	312	c/cs					2080
24	03	1990	*0543		6 41.93	153 12.46	2153.6	12.3	313	1.0	323	11.4	312	GF	0.00 0.00	0	0.2	0.2	2081
24	03	1990	*0548		6 42.63	153 11.70	2154.6	12.4	313	1.1	329	11.4	312	GF	0.00 0.00	0	0.1	0.1	2082
24	03	1990	0548		6 42.6	153 11.7	2154.6	12.6	313	1.1	329	11.6	311	c/cs					2083
24	03	1990	*0553		6 43.34	153 10.92	2155.7	12.2	313	0.7	345	11.6	311	GF	0.00 0.00	0	0.1	0.1	2084
24	03	1990	*0558		6 44.03	153 10.17	2156.7	12.1	312	0.5	342	11.6	311	GF	0.00 0.00	0	0.1	0.1	2085
24	03	1990	*0600		6 44.30	153 9.87	2157.1	12.4	314	1.0	350	11.6	311	GF	0.00 0.00	0	0.0	0.0	2086
24	03	1990	*0603		6 44.73	153 9.42	2157.7	12.3	313	0.8	342	11.6	311	GF	0.00 0.00	0	0.0	0.1	2087
24	03	1990	0605		6 45.0	153 9.1	2158.1	12.1	313	0.8	342	11.5	311	c/cs					2088
24	03	1990	*0608		6 45.42	153 8.67	2158.7	12.3	313	0.9	343	11.5	311	GF	0.00 0.00	0	0.1	0.1	2089
24	03	1990	*0613		6 46.12	153 7.92	2159.8	12.5	316	1.4	357	11.5	311	GF	0.00 0.00	0	0.1	0.1	2090
24	03	1990	0616		6 46.6	153 7.5	2160.4	10.7	301	1.4	357	10.0	294	c/cs					2091
24	03	1990	0617		6 46.7	153 7.3	2160.6	9.7	288	1.4	357	9.3	280	c/cs					2092
24	03	1990	*0618		6 46.71	153 7.17	2160.7	9.8	283	0.8	330	9.3	280	GF	0.00 0.00	0	0.1	0.1	2093
24	03	1990	0618		6 46.7	153 7.2	2160.7	7.1	268	0.8	330	6.8	262	c/cs					2094
24	03	1990	0622		6 46.7	153 6.7	2161.2	6.1	269	0.8	330	5.8	262	c/cs					2095
24	03	1990	*0623		6 46.69	153 6.59	2161.3	5.7	265	0.3	8	5.8	262	GF	0.00 0.00	0	0.1	0.1	2096
24	03	1990	*0630		6 46.63	153 5.92	2162.0	6.0	262	0.2	272	5.8	262	GF	0.00 0.00	0	0.0	0.1	2097
24	03	1990	*0633		6 46.59	153 5.62	2162.3	5.5	264	0.3	50	5.8	262	GF	0.00 0.00	0	0.0	0.1	2098
24	03	1990	*0638		6 46.54	153 5.16	2162.7	5.7	264	0.2	14	5.8	262	GF	0.00 0.00	0	0.0	0.1	2099
24	03	1990	0638		6 46.5	153 5.2	2162.7	5.6	263	0.2	14	5.7	261	c/cs					2100
24	03	1990	*0643		6 46.48	153 4.69	2163.2	5.7	261	0.1	33	5.7	261	GF	0.00 0.00	0	0.0	0.1	2101
24	03	1990	*0648		6 46.41	153 4.22	2163.7	5.7	260	0.1	151	5.7	261	GF	0.00 0.00	0	0.0	0.1	2102
24	03	1990	*0653		6 46.33	153 3.75	2164.1	5.6	260	0.2	112	5.7	261	GF	0.00 0.00	0	0.0	0.1	2103
24	03	1990	*0658		6 46.25	153 3.29	2164.6	5.6	246	1.5	158	5.7	261	GF	0.00 0.00	0	0.0	0.1	2104
24	03	1990	0658		6 46.3	153 3.3	2164.6	5.1	270	1.5	158	5.8	284	c/cs					2105
24	03	1990	*0700		6 46.25	153 3.12	2164.8	7.3	289	1.6	307	5.8	284	GF	0.00 0.00	0	0.1	0.0	2106
24	03	1990	*0703		6 46.37	153 2.77	2165.1	7.2	286	1.4	295	5.8	284	GF	0.00 0.00	0	0.1	0.1	2107
24	03	1990	0705		6 46.4	153 2.5	2165.4	11.2	286	1.4	295	9.8	285	c/cs					2108
24	03	1990	0707		6 46.5	153 2.2	2165.8	12.5	281	1.4	295	11.1	279	c/cs					2109
24	03	1990	*0708		6 46.58	153 1.97	2166.0	11.9	281	0.9	312	11.1	279	GF	0.00 0.00	0	0.1	0.1	2110
24	03	1990	0712		6 46.7	153 1.2	2166.8	12.6	282	0.9	312	11.8	280	c/cs					2111
24	03	1990	*0713		6 46.78	153 0.98	2167.0	12.9	279	1.1	266	11.8	280	GF	0.00 0.00	0	0.1	0.1	2112
24	03	1990	0716		6 46.9	153 0.3	2167.6	12.1	308	1.1	266	11.3	312	c/cs					2113
24	03	1990	*0718		6 47.13	153 0.02	2168.0	12.5	313	1.2	327	11.3	312	GF	0.00 0.00	0	0.1	0.1	2114
24	03	1990	0719		6 47.3	152 59.9	2168.2	12.7	317	1.2	327	11.5	316	c/cs					2115
24	03	1990	*0723		6 47.89	152 59.29	2169.1	11.9	318	0.5	3	11.5	316	GF	0.00 0.00	0	0.1	0.1	2116
24	03	1990	0728		6 48.6	152 58.6	2170.1	11.9	318	0.5	3	11.6	316	c/cs					2117
24	03	1990	*0730		6 48.92	152 58.35	2170.5	12.4	319	1.0	352	11.6	316	GF	0.00 0.00	0	0.1	0.1	2118
24	03	1990	0758		6 53.3	152 54.5	2176.3	12.3	321	1.0	352	11.5	318	c/cs					2119
24	03	1990	0813		6 55.7	152 52.5	2179.3	12.3	321	1.0	352	11.5	319	c/cs					2120

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	dr hed	dr speed	cse	cmnt	prob. error (smajxsmin@az)	drift dist	drift time	no.	
#																			2121
24	03	1990	0825		6 57.6	152 51.0	2181.8	12.4	321	1.0	352	11.6	319	c/cs				2122	
24	03	1990	0828		6 58.1	152 50.6	2182.4	12.6	321	1.0	352	11.8	319	c/cs				2123	
24	03	1990	0844		7 0.7	152 48.5	2185.8	12.4	321	1.0	352	11.6	319	c/cs				2124	
24	03	1990	0902		7 3.6	152 46.1	2189.5	12.3	321	1.0	352	11.4	318	c/cs				2125	
24	03	1990	0916		7 5.8	152 44.3	2192.4	12.4	321	1.0	352	11.5	319	c/cs				2126	
24	03	1990	0923		7 7.0	152 43.4	2193.8	12.4	321	1.0	352	11.6	318	c/cs				2127	
24	03	1990	*0932		7 8.40	152 42.20	2195.7	13.3	320	1.8	334	11.6	318	SF	0.00 0.00	0	2.0	2.0	2128
24	03	1990	0934		7 8.7	152 41.9	2196.1	13.4	318	1.8	334	11.7	315	c/cs				2129	
24	03	1990	0949		7 11.2	152 39.6	2199.5	13.4	318	1.8	334	11.7	315	c/cs				2130	
24	03	1990	0959		7 12.9	152 38.1	2201.7	10.3	317	1.8	334	8.6	314	c/cs				2131	
24	03	1990	1000		7 13.0	152 38.0	2201.9	13.4	316	1.8	334	11.6	313	c/cs				2132	
24	03	1990	1000		7 13.0	152 38.0	2201.9	13.4	316	1.8	334	11.6	313	SF	0.00 0.00	0	1.1	0.6	2132
24	03	1990	*1007		7 14.10	152 36.90	2203.5	12.9	317	1.5	347	11.6	313	c/cs				2133	
24	03	1990	1013		7 15.0	152 36.0	2204.7	12.7	315	1.5	347	11.5	311	c/cs				2134	
24	03	1990	1020		7 16.1	152 34.9	2206.2	9.6	316	1.5	347	8.4	311	c/cs				2135	
24	03	1990	1021		7 16.2	152 34.8	2206.4	12.8	315	1.5	347	11.6	311	c/cs				2136	
24	03	1990	1035		7 18.3	152 32.7	2209.4	12.8	315	1.5	347	11.6	311	c/cs				2137	
24	03	1990	1048		7 20.3	152 30.7	2212.2	12.9	315	1.5	347	11.7	311	c/cs				2138	
24	03	1990	*1103		7 22.53	152 28.40	2215.4	12.9	314	1.4	345	11.7	311	GF	0.00 0.00	0	1.4	0.9	2138
24	03	1990	*1108		7 23.28	152 27.63	2216.4	12.8	313	1.2	334	11.7	311	GF	0.00 0.00	0	0.1	0.1	2139
24	03	1990	*1110		7 23.6	152 27.3	2216.9	12.6	310	1.2	334	11.6	308	c/cs				2140	
24	03	1990	1110		7 23.6	152 27.3	2216.9	12.6	310	1.2	334	11.6	308	GF	0.00 0.00	0	0.1	0.1	2141
24	03	1990	*1113		7 23.98	152 26.83	2217.5	12.8	311	1.4	337	11.6	308	GF	0.00 0.00	0	0.1	0.1	2142
24	03	1990	*1118		7 24.68	152 26.02	2218.6	12.8	310	1.4	330	11.6	308	GF	0.00 0.00	0	0.1	0.1	2143
24	03	1990	*1123		7 25.37	152 25.20	2219.6	12.0	311	0.7	1	11.6	308	GF	0.00 0.00	0	0.1	0.1	2144
24	03	1990	*1130		7 26.28	152 24.13	2221.0	13.6	309	2.1	314	11.6	308	GF	0.00 0.00	0	0.1	0.1	2145
24	03	1990	1132		7 26.6	152 23.8	2221.5	13.9	308	2.1	314	11.9	307	c/cs				2146	
24	03	1990	*1138		7 27.42	152 22.67	2222.9	13.0	308	1.2	320	11.9	307	GF	0.00 0.00	0	0.3	0.1	2147
24	03	1990	*1143		7 28.09	152 21.81	2224.0	13.1	308	1.3	316	11.9	307	GF	0.00 0.00	0	0.1	0.1	2148
24	03	1990	*1148		7 28.76	152 20.94	2225.1	13.0	307	1.2	312	11.9	307	GF	0.00 0.00	0	0.1	0.1	2149
24	03	1990	*1153		7 29.42	152 20.07	2226.1	12.7	311	1.2	356	11.9	307	GF	0.00 0.00	0	0.1	0.1	2150
24	03	1990	1159		7 30.3	152 19.1	2227.4	12.8	313	1.2	356	11.9	309	c/cs				2151	
24	03	1990	*1203		7 30.84	152 18.48	2228.3	12.7	316	1.7	15	11.9	309	GF	0.00 0.00	0	0.2	0.2	2151
24	03	1990	*1208		7 31.60	152 17.74	2229.3	13.1	308	1.3	303	11.9	309	GF	0.00 0.00	0	0.1	0.1	2152
24	03	1990	1214		7 32.4	152 16.7	2230.6	8.5	308	1.3	303	7.3	309	c/cs				2153	
24	03	1990	1215		7 32.5	152 16.6	2230.8	13.2	308	1.3	303	12.0	309	c/cs				2154	
24	03	1990	1234		7 35.1	152 13.3	2235.0	13.2	308	1.3	303	11.9	309	c/cs				2155	
24	03	1990	1257		7 38.2	152 9.3	2240.0	13.2	308	1.3	303	11.9	309	c/cs				2156	
24	03	1990	1319		7 41.2	152 5.5	2244.8	9.7	308	1.3	303	8.5	309	c/cs				2157	
24	03	1990	1320		7 41.3	152 5.3	2245.0	13.1	308	1.3	303	11.9	309	c/cs				2158	
24	03	1990	1350		7 45.4	152 0.1	2251.6	13.1	308	1.3	303	11.9	309	c/cs				2159	
24	03	1990	*1358		7 46.52	151 58.76	2253.3	11.3	308	0.7	152	11.9	309	GF	0.00 0.00	0	2.3	1.8	2160
24	03	1990	*1400		7 46.75	151 58.46	2253.7	13.7	308	1.8	303	11.9	309	GF	0.00 0.00	0	0.0	0.0	2161
24	03	1990	*1408		7 47.88	151 57.01	2255.5	13.3	308	1.5	303	11.9	309	GF	0.00 0.00	0	0.2	0.1	2162
24	03	1990	*1413		7 48.57	151 56.13	2256.6	13.3	308	1.5	303	11.9	309	GF	0.00 0.00	0	0.1	0.1	2163
24	03	1990	*1418		7 49.26	151 55.25	2257.8	13.3	308	1.5	303	11.9	309	GF	0.00 0.00	0	0.1	0.1	2164
24	03	1990	1420		7 49.5	151 54.9	2258.2	13.3	308	1.5	303	11.9	309	c/cs				2165	
24	03	1990	*1423		7 49.95	151 54.37	2258.9	12.9	309	1.0	304	11.9	309	GF	0.00 0.00	0	0.1	0.1	2166
24	03	1990	*1430		7 50.89	151 53.18	2260.4	13.8	309	1.9	307	11.9	309	GF	0.00 0.00	0	0.1	0.1	2167
24	03	1990	*1438		7 52.04	151 51.73	2262.2	13.8	310	1.9	315	11.9	309	GF	0.00 0.00	0	0.3	0.1	2168
24	03	1990	1439		7 52.2	151 51.6	2262.4	12.7	311	1.9	315	10.7	310	c/cs				2169	
24	03	1990	1441		7 52.5	151 51.2	2262.9	13.9	310	1.9	315	12.0	309	c/cs				2170	
24	03	1990	*1443		7 52.76	151 50.87	2263.3	12.1	302	1.6	221	12.0	309	GF	0.00 0.00	0	0.2	0.1	2171
24	03	1990	*1448		7 53.29	151 50.00	2264.3	13.2	309	1.2	309	12.0	309	GF	0.00 0.00	0	0.1	0.1	2172
24	03	1990	*1453		7 53.98	151 49.14	2265.4	12.6	310	0.7	329	12.0	309	GF	0.00 0.00	0	0.1	0.1	2173

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	drift speed	drift cse	cmnt	prob. error (smajxsmineaz)	drift dist	drift time	no.	
24	03	1990	*1500		7 54.93	151 48.00	2266.9	13.3	311	1.4	326	12.0	309	GF	0.00 0.00	0	0.1	0.1	2174
24	03	1990	*1508		7 56.09	151 46.64	2268.7	13.2	311	1.3	332	12.0	309	GF	0.00 0.00	0	0.2	0.1	2175
24	03	1990	1511		7 56.5	151 46.1	2269.4	13.1	312	1.3	332	11.9	310	c/cs					2176
24	03	1990	*1513		7 56.82	151 45.81	2269.8	13.2	312	1.3	326	11.9	310	GF	0.00 0.00	0	0.1	0.1	2177
24	03	1990	*1518		7 57.55	151 44.98	2270.9	13.5	312	1.7	324	11.9	310	GF	0.00 0.00	0	0.1	0.1	2178
24	03	1990	*1523		7 58.30	151 44.13	2272.0	11.8	314	0.8	49	11.9	310	GF	0.00 0.00	0	0.1	0.1	2179
24	03	1990	*1528		7 58.98	151 43.41	2273.0	12.8	313	1.0	345	11.9	310	GF	0.00 0.00	0	0.1	0.1	2180
24	03	1990	*1533		7 59.70	151 42.62	2274.1	12.9	312	1.0	332	11.9	310	GF	0.00 0.00	0	0.1	0.1	2181
24	03	1990	1535		7 60.0	151 42.3	2274.5	12.8	313	1.0	332	11.8	311	c/cs					2182
24	03	1990	*1538		8 0.42	151 41.82	2275.1	12.8	312	1.0	327	11.8	311	GF	0.00 0.00	0	0.1	0.1	2183
24	03	1990	*1543		8 1.14	151 41.02	2276.2	12.9	312	1.1	322	11.8	311	GF	0.00 0.00	0	0.1	0.1	2184
24	03	1990	*1548		8 1.86	151 40.21	2277.3	13.5	313	1.7	326	11.8	311	GF	0.00 0.00	0	0.1	0.1	2185
24	03	1990	1549		8 2.0	151 40.0	2277.5	12.1	313	1.7	326	10.4	311	c/cs					2186
24	03	1990	1551		8 2.3	151 39.7	2277.9	13.5	312	1.7	326	11.8	310	c/cs					2187
24	03	1990	*1553		8 2.59	151 39.41	2278.4	12.9	312	1.2	331	11.8	310	GF	0.00 0.00	0	0.1	0.1	2188
24	03	1990	*1558		8 3.31	151 38.60	2279.4	10.8	312	1.1	110	11.8	310	GF	0.00 0.00	0	0.1	0.1	2189
24	03	1990	*1600		8 3.55	151 38.33	2279.8	13.0	312	1.3	336	11.8	310	GF	0.00 0.00	0	0.0	0.0	2190
24	03	1990	*1608		8 4.72	151 37.04	2281.5	12.8	312	1.1	331	11.8	310	GF	0.00 0.00	0	0.2	0.1	2191
24	03	1990	1608		8 4.7	151 37.0	2281.5	12.7	313	1.1	331	11.8	311	c/cs					2192
24	03	1990	*1613		8 5.44	151 36.25	2282.6	12.8	313	1.2	334	11.8	311	GF	0.00 0.00	0	0.1	0.1	2193
24	03	1990	*1618		8 6.17	151 35.46	2283.7	12.8	313	1.1	331	11.8	311	GF	0.00 0.00	0	0.1	0.1	2194
24	03	1990	*1623		8 6.89	151 34.67	2284.7	12.2	313	0.6	348	11.8	311	GF	0.00 0.00	0	0.1	0.1	2195
24	03	1990	*1630		8 7.86	151 33.61	2286.2	13.1	313	1.5	331	11.8	311	GF	0.00 0.00	0	0.1	0.1	2196
24	03	1990	*1638		8 9.06	151 32.32	2287.9	12.6	313	0.9	333	11.8	311	GF	0.00 0.00	0	0.2	0.1	2197
24	03	1990	1638		8 9.1	151 32.3	2287.9	12.6	313	0.9	333	11.7	311	c/cs					2198
24	03	1990	*1643		8 9.77	151 31.54	2289.0	13.4	312	1.7	322	11.7	311	GF	0.00 0.00	0	0.1	0.1	2199
24	03	1990	1645		8 10.1	151 31.2	2289.4	9.3	314	1.7	322	7.7	312	c/cs					2200
24	03	1990	1646		8 10.2	151 31.1	2289.6	13.4	312	1.7	322	11.8	311	c/cs					2201
24	03	1990	*1648		8 10.48	151 30.76	2290.0	12.5	312	0.8	331	11.8	311	GF	0.00 0.00	0	0.1	0.1	2202
24	03	1990	*1653		8 11.18	151 29.98	2291.0	12.7	312	1.0	322	11.8	311	GF	0.00 0.00	0	0.1	0.1	2203
24	03	1990	1653		8 11.2	151 30.0	2291.0	12.6	312	1.0	322	11.6	311	c/cs					2204
24	03	1990	*1658		8 11.88	151 29.19	2292.1	11.2	312	0.5	105	11.6	311	GF	0.00 0.00	0	0.1	0.1	2205
24	03	1990	*1700		8 12.13	151 28.91	2292.5	13.3	312	1.7	320	11.6	311	GF	0.00 0.00	0	0.0	0.0	2206
24	03	1990	1706		8 13.0	151 27.9	2293.8	13.0	313	1.7	320	11.3	312	c/cs					2207
24	03	1990	*1708		8 13.32	151 27.59	2294.2	12.2	312	0.9	318	11.3	312	GF	0.00 0.00	0	0.2	0.1	2208
24	03	1990	1708		8 13.3	151 27.6	2294.2	12.7	311	0.9	318	11.8	311	c/cs					2209
24	03	1990	*1713		8 14.02	151 26.79	2295.3	12.7	312	1.0	328	11.8	311	GF	0.00 0.00	0	0.1	0.1	2210
24	03	1990	1716		8 14.4	151 26.3	2295.9	12.6	312	1.0	328	11.7	311	c/cs					2211
24	03	1990	*1718		8 14.73	151 26.00	2296.4	12.9	312	1.2	317	11.7	311	GF	0.00 0.00	0	0.1	0.1	2212
24	03	1990	*1723		8 15.44	151 25.19	2297.4	12.8	312	1.1	322	11.7	311	GF	0.00 0.00	0	0.1	0.1	2213
24	03	1990	*1728		8 16.15	151 24.39	2298.5	11.0	311	0.7	131	11.7	311	GF	0.00 0.00	0	0.1	0.1	2214
24	03	1990	*1730		8 16.39	151 24.11	2298.9	13.7	311	1.9	312	11.7	311	GF	0.00 0.00	0	0.0	0.0	2215
24	03	1990	*1733		8 16.84	151 23.59	2299.5	13.0	311	1.3	312	11.7	311	GF	0.00 0.00	0	0.1	0.1	2216
24	03	1990	1735		8 17.1	151 23.3	2300.0	12.6	311	1.3	312	11.4	311	c/cs					2217
24	03	1990	*1738		8 17.54	151 22.78	2300.6	12.5	311	1.1	312	11.4	311	GF	0.00 0.00	0	0.1	0.1	2218
24	03	1990	1738		8 17.5	151 22.8	2300.6	12.8	311	1.1	312	11.6	311	c/cs					2219
24	03	1990	*1743		8 18.24	151 21.97	2301.7	12.8	311	1.1	312	11.6	311	GF	0.00 0.00	0	0.1	0.1	2220
24	03	1990	*1748		8 18.94	151 21.16	2302.7	13.0	312	1.4	317	11.6	311	GF	0.00 0.00	0	0.1	0.1	2221
24	03	1990	*1753		8 19.66	151 20.34	2303.8	12.4	311	0.8	309	11.6	311	GF	0.00 0.00	0	0.1	0.1	2222
24	03	1990	*1800		8 20.61	151 19.23	2305.3	13.4	311	1.7	308	11.6	311	GF	0.00 0.00	0	0.1	0.1	2223
24	03	1990	*1808		8 21.77	151 17.86	2307.0	12.7	311	1.1	308	11.6	311	GF	0.00 0.00	0	0.2	0.1	2224
24	03	1990	1808		8 21.8	151 17.9	2307.0	12.9	311	1.1	308	11.8	311	c/cs					2225
24	03	1990	*1813		8 22.47	151 17.04	2308.1	13.1	310	1.4	299	11.8	311	GF	0.00 0.00	0	0.1	0.1	2226

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	drift speed	drift cse	cmnt	prob. error (smajxsmi@az)	drift dist	drift time	no.	
#																			
24	03	1990	*1818		8 23.17	151 16.19	2309.2	12.9	310	1.1	300	11.8	311	GF	0.00 0.00	0	0.1	0.1	2227
24	03	1990	*1823		8 23.86	151 15.36	2310.3	13.0	310	1.2	297	11.8	311	GF	0.00 0.00	0	0.1	0.1	2228
24	03	1990	1826		8 24.3	151 14.9	2310.9	12.8	309	1.2	297	11.6	310	c/cs					2229
24	03	1990	*1828		8 24.54	151 14.52	2311.4	10.8	312	0.9	106	11.6	310	GF	0.00 0.00	0	0.1	0.1	2230
24	03	1990	*1830		8 24.78	151 14.25	2311.7	13.4	310	1.8	308	11.6	310	GF	0.00 0.00	0	0.0	0.0	2231
24	03	1990	*1838		8 24.78	151 14.25	2311.7	13.4	310	1.8	308	11.6	310	GF	0.00 0.00	0	0.2	0.1	2232
24	03	1990	*1843		8 25.92	151 12.86	2313.5	13.1	309	1.5	304	11.6	310	GF	0.00 0.00	0	0.1	0.1	2233
24	03	1990	*1848		8 26.61	151 12.01	2314.6	13.0	310	1.4	311	11.6	310	GF	0.00 0.00	0	0.1	0.1	2234
24	03	1990	*1852		8 27.31	151 11.17	2315.7	13.2	309	1.6	304	11.6	310	GF	0.00 0.00	0	0.1	0.1	2235
24	03	1990	*1853		8 27.9	151 10.5	2316.6	13.3	310	1.6	304	11.7	311	c/cs					2236
24	03	1990	*1900		8 27.9	151 10.5	2316.6	13.3	310	1.6	304	11.7	311	GF	0.00 0.00	0	0.1	0.1	2237
24	03	1990	*1903		8 28.01	151 10.31	2316.8	12.6	312	0.9	322	11.7	311	GF	0.00 0.00	0	0.1	0.1	2238
24	03	1990	*1908		8 28.99	151 9.20	2318.3	14.2	310	2.5	307	11.7	311	GF	0.00 0.00	0	0.1	0.1	2239
24	03	1990	*1913		8 28.99	151 9.20	2318.3	14.2	310	2.5	307	11.7	311	GF	0.00 0.00	0	0.1	0.1	2240
24	03	1990	1917		8 29.45	151 8.65	2319.0	13.1	311	1.4	307	11.7	311	GF	0.00 0.00	0	0.1	0.1	2241
24	03	1990	*1918		8 29.45	151 8.65	2319.0	13.1	311	1.4	307	11.7	311	GF	0.00 0.00	0	0.1	0.1	2242
24	03	1990	*1923		8 30.16	151 7.81	2320.1	13.1	311	1.4	306	11.7	311	GF	0.00 0.00	0	0.1	0.1	2243
24	03	1990	*1930		8 30.87	151 6.97	2321.2	13.0	310	1.4	299	11.7	311	GF	0.00 0.00	0	0.1	0.1	2244
24	03	1990	1930		8 30.87	151 6.97	2321.2	13.0	310	1.4	299	11.7	311	GF	0.00 0.00	0	0.1	0.1	2245
24	03	1990	*1938		8 31.4	151 6.3	2322.0	12.9	312	1.4	299	11.6	313	c/cs					2246
24	03	1990	1938		8 31.4	151 6.3	2322.0	12.9	312	1.4	299	11.6	313	GF	0.00 0.00	0	0.1	0.1	2247
24	03	1990	*1943		8 31.57	151 6.13	2322.2	13.4	312	1.8	303	11.6	313	GF	0.00 0.00	0	0.1	0.1	2248
24	03	1990	*1948		8 32.31	151 5.29	2323.4	12.5	312	1.0	300	11.6	313	GF	0.00 0.00	0	0.1	0.1	2249
24	03	1990	*1953		8 32.31	151 5.29	2323.4	12.5	312	1.0	300	11.6	313	GF	0.00 0.00	0	0.1	0.1	2250
24	03	1990	1957		8 33.29	151 4.19	2324.8	13.9	313	2.3	314	11.6	313	GF	0.00 0.00	0	0.1	0.1	2251
24	03	1990	*2000		8 33.29	151 4.19	2324.8	13.9	313	2.3	314	11.6	313	GF	0.00 0.00	0	0.1	0.1	2252
24	03	1990	*2003		8 33.3	151 4.2	2324.8	12.6	325	2.3	314	10.4	328	c/cs					2253
24	03	1990	*2008		8 33.3	151 4.2	2324.8	12.6	325	2.3	314	11.4	330	c/cs					2254
24	03	1990	*2013		8 34.0	151 3.7	2325.7	13.7	327	2.3	314	11.4	330	GF	0.00 0.00	0	0.3	0.1	2255
24	03	1990	*2018		8 34.0	151 3.7	2325.7	13.7	327	2.3	314	11.4	330	GF	0.00 0.00	0	0.3	0.1	2256
24	03	1990	*2021		8 34.75	151 3.21	2326.6	12.5	328	1.2	311	11.4	330	c/cs					2257
24	03	1990	*2023		8 34.75	151 3.21	2326.6	12.5	328	1.2	311	11.4	330	GF	0.00 0.00	0	0.1	0.1	2258
24	03	1990	*2025		8 34.7	151 3.2	2326.6	12.4	328	1.2	311	11.3	330	c/cs					2259
24	03	1990	*2028		8 34.7	151 3.2	2326.6	12.4	328	1.2	311	11.3	330	GF	0.00 0.00	0	0.1	0.1	2260
24	03	1990	*2030		8 35.63	151 2.66	2327.6	12.4	329	1.1	320	11.3	330	GF	0.00 0.00	0	0.1	0.1	2261
24	03	1990	*2038		8 35.63	151 2.66	2327.6	12.4	329	1.1	320	11.3	330	GF	0.00 0.00	0	0.1	0.1	2262
24	03	1990	*2041		8 36.52	151 2.12	2328.6	12.6	329	1.3	319	11.3	330	GF	0.00 0.00	0	0.1	0.1	2263
24	03	1990	*2043		8 36.52	151 2.12	2328.6	12.6	329	1.3	319	11.3	330	GF	0.00 0.00	0	0.1	0.1	2264
24	03	1990	*2048		8 37.42	151 1.57	2329.7	11.9	331	0.6	346	11.3	330	GF	0.00 0.00	0	0.1	0.1	2265
24	03	1990	*2053		8 37.42	151 1.57	2329.7	11.9	331	0.6	346	11.3	330	c/cs					2266
24	03	1990	*2059		8 38.1	151 1.2	2330.5	12.3	307	0.6	346	11.9	305	GF	0.00 0.00	0	0.1	0.1	2267
24	03	1990	*2100		8 38.1	151 1.2	2330.5	12.3	307	0.6	346	11.9	305	GF	0.00 0.00	0	0.1	0.1	2268
24	03	1990	*2108		8 38.48	151 0.68	2331.1	14.0	305	2.1	304	11.9	305	GF	0.00 0.00	0	0.1	0.1	2269
24	03	1990	*2113		8 38.48	151 0.68	2331.1	14.0	305	2.1	304	11.9	305	GF	0.00 0.00	0	0.1	0.1	2270
24	03	1990	*2118		8 38.88	151 0.10	2331.8	13.2	305	1.3	305	11.9	305	GF	0.00 0.00	0	0.1	0.1	2271
24	03	1990	*2119		8 38.88	151 0.10	2331.8	13.2	305	1.3	305	11.9	305	GF	0.00 0.00	0	0.1	0.1	2272
24	03	1990	*2123		8 39.51	150 59.19	2332.9	13.0	304	1.2	296	11.9	305	GF	0.00 0.00	0	0.1	0.1	2273
24	03	1990	*2128		8 39.51	150 59.19	2332.9	13.0	304	1.2	296	11.9	305	GF	0.00 0.00	0	0.1	0.1	2274
24	03	1990	*2133		8 40.12	150 58.28	2334.0	12.9	304	1.1	298	11.9	305	GF	0.00 0.00	0	0.1	0.1	2275
24	03	1990	*2138		8 40.12	150 58.28	2334.0	12.9	304	1.1	298	11.9	305	GF	0.00 0.00	0	0.1	0.1	2276
24	03	1990	*2143		8 40.73	150 57.38	2335.1	12.9	304	1.0	293	11.9	305	GF	0.00 0.00	0	0.1	0.1	2277
24	03	1990	*2148		8 40.73	150 57.38	2335.1	12.9	304	1.0	293	11.9	305	GF	0.00 0.00	0	0.1	0.1	2278
24	03	1990	*2153		8 41.1	150 56.8	2335.7	13.2	303	1.0	293	12.1	304	c/cs					2279
24	03	1990	*2159		8 41.1	150 56.8	2335.7	13.2	303	1.0	293	12.1	304	GF	0.00 0.00	0	0.1	0.1	2280
24	03	1990	*2200		8 41.33	150 56.47	2336.1	13.3	304	1.2	304	12.1	304	c/cs					2281
24	03	1990	*2205		8 41.33	150 56.47	2336.1	13.3	304	1.2	304	12.1	304	GF	0.00 0.00	0	0.1	0.1	2282
24	03	1990	*2210		8 41.6	150 56.1	2336.6	13.0	305	1.2	304	11.8	305	c/cs					2283
24	03	1990	*2215		8 41.6	150 56.1	2336.6	13.0	305	1.2	304	11.8	305	GF	0.00 0.00	0	0.1	0.1	2284
24	03	1990	*2220		8 41.95	150 55.56	2337.2	11.6	305	0.3	131	11.8	305	GF	0.00 0.00	0	0.0	0.0	2285
24	03	1990	*2225		8 41.95	150 55.56	2337.2	11.6	305	0.3	131	11.8	305	GF	0.00 0.00	0	0.0	0.0	2286
24	03	1990	*2230		8 42.17	150 55.24	2337.6	13.4	304	1.6	297	11.8	305	GF	0.00 0.00	0	0.2	0.1	2287
24	03	1990	*2235		8 42.17	150 55.24	2337.6	13.4	304	1.6	297	11.8	305	GF	0.00 0.00	0	0.2	0.1	2288
24	03	1990	*2240		8 43.17	150 53.74	2339.4	13.3	304	1.5	300	11.8	305	GF	0.00 0.00	0	0.1	0.1	2289
24	03	1990	*2245		8 43.17	150 53.74	2339.4	13.3	304	1.5	300	11.8	305	c/cs					2290
24	03	1990	*2250		8 43.3	150 53.6	2339.6	12.2	304	1.5	300	10.7	305	c/cs					2291
24	03	1990	*2255		8 43.3	150 53.6	2339.6	12.2	304	1.5	300	11.9	305	GF	0.00 0.00	0	0.1	0.1	2292
24	03	1990	*2260		8 43.5	150 53.2	2340.0	13.4	304	1.5	300	11.9	305	GF	0.00 0.00	0	0.1	0.1	2293
24	03	1990	*2265		8 43.5	150 53.2	2340.0	13.4	304	1.5	300	11.9	305	GF	0.00 0.00	0	0.1	0.1	2294
24	03	1990	*2270		8 43.78	150 52.84	2340.5	13.2</											

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	dr speed	dr cse	cmnt	prob. error (smajxsmineaz)	drift dist	drift time	no.				
#																				
24	03	1990		2143	8 51.3	150 41.9	2353.7	13.3	305	1.5	302	11.8	305	c/cs			2280			
24	03	1990		*2148	8 51.98	150 41.00	2354.8	13.3	305	1.5	302	11.8	305	GF	0.00	0.00	0	0.1	0.1	2281
24	03	1990		*2153	8 52.61	150 40.08	2355.9	12.7	305	0.9	305	11.8	305	GF	0.00	0.00	0	0.1	0.1	2282
24	03	1990		*2200	8 53.46	150 38.85	2357.4	13.7	305	1.9	306	11.8	305	GF	0.00	0.00	0	0.1	0.1	2283
24	03	1990		*2208	8 54.51	150 37.34	2359.2	13.2	305	1.3	305	11.8	305	GF	0.00	0.00	0	0.2	0.1	2284
24	03	1990		*2213	8 55.14	150 36.43	2360.3	13.1	305	1.3	309	11.8	305	GF	0.00	0.00	0	0.1	0.1	2285
24	03	1990		2213	8 55.1	150 36.4	2360.3	13.2	305	1.3	309	11.9	305	c/cs						2286
24	03	1990		*2218	8 55.78	150 35.52	2361.4	13.1	305	1.2	301	11.9	305	GF	0.00	0.00	0	0.1	0.1	2287
24	03	1990		*2223	8 56.40	150 34.61	2362.5	13.1	305	1.2	301	11.9	305	GF	0.00	0.00	0	0.1	0.1	2288
24	03	1990		*2228	8 57.02	150 33.70	2363.6	11.3	306	0.6	111	11.9	305	GF	0.00	0.00	0	0.1	0.1	2289
24	03	1990		*2230	8 57.24	150 33.39	2364.0	13.5	305	1.6	303	11.9	305	GF	0.00	0.00	0	0.0	0.0	2290
24	03	1990		2236	8 58.0	150 32.3	2365.3	13.6	305	1.6	303	12.1	305	c/cs						2291
24	03	1990		*2238	8 58.27	150 31.89	2365.8	13.0	304	1.0	294	12.1	305	GF	0.00	0.00	0	0.2	0.1	2292
24	03	1990		*2243	8 58.88	150 30.98	2366.8	12.8	304	0.7	293	12.1	305	GF	0.00	0.00	0	0.1	0.1	2293
24	03	1990		*2248	8 59.48	150 30.09	2367.9	12.8	305	0.8	311	12.1	305	GF	0.00	0.00	0	0.1	0.1	2294
24	03	1990		2252	8 60.0	150 29.4	2368.8	12.8	306	0.8	311	12.0	306	c/cs						2295
24	03	1990		*2253	9 0.10	150 29.21	2369.0	12.4	306	0.4	291	12.0	306	GF	0.00	0.00	0	0.1	0.1	2296
24	03	1990		*2300	9 0.94	150 28.02	2370.4	13.3	305	1.3	298	12.0	306	GF	0.00	0.00	0	0.0	0.1	2297
24	03	1990		2302	9 1.2	150 27.7	2370.9	13.2	307	1.3	298	11.9	308	c/cs						2298
24	03	1990		*2308	9 1.99	150 26.59	2372.2	12.8	307	0.9	300	11.9	308	GF	0.00	0.00	0	0.2	0.1	2299
24	03	1990		*2313	9 2.64	150 25.73	2373.2	12.7	308	0.8	304	11.9	308	GF	0.00	0.00	0	0.1	0.1	2300
24	03	1990		*2318	9 3.29	150 24.88	2374.3	12.8	308	0.8	304	11.9	308	GF	0.00	0.00	0	0.1	0.1	2301
24	03	1990		*2323	9 3.94	150 24.03	2375.4	12.5	308	0.6	299	11.9	308	GF	0.00	0.00	0	0.1	0.1	2302
24	03	1990		*2330	9 4.83	150 22.86	2376.8	13.4	308	1.5	306	11.9	308	GF	0.00	0.00	0	0.1	0.1	2303
24	03	1990		2332	9 5.1	150 22.5	2377.3	13.5	308	1.5	306	12.0	308	c/cs						2304
24	03	1990		*2338	9 5.93	150 21.42	2378.6	12.7	307	0.7	296	12.0	308	GF	0.00	0.00	0	0.2	0.1	2305
24	03	1990		*2343	9 6.57	150 20.57	2379.7	12.9	308	0.9	311	12.0	308	GF	0.00	0.00	0	0.1	0.1	2306
24	03	1990		2346	9 7.0	150 20.1	2380.3	12.9	307	0.9	311	12.0	307	c/cs						2307
24	03	1990		*2348	9 7.23	150 19.71	2380.8	12.9	308	0.9	319	12.0	307	GF	0.00	0.00	0	0.1	0.1	2308
24	03	1990		*2353	9 7.89	150 18.85	2381.8	12.9	308	1.0	317	12.0	307	GF	0.00	0.00	0	0.1	0.1	2309
25	03	1990		0000	9 8.8	150 17.6	2383.3	12.9	308	1.0	317	12.0	307	c/cs						2310
25	03	1990		*0008	9 9.87	150 16.26	2385.1	12.9	309	0.9	330	12.0	307	GF	0.00	0.00	0	0.2	0.2	2311
25	03	1990		*0013	9 10.54	150 15.41	2386.1	12.5	308	0.6	322	12.0	307	GF	0.00	0.00	0	0.1	0.1	2312
25	03	1990		0014	9 10.7	150 15.2	2386.4	12.6	307	0.6	322	12.1	306	c/cs						2313
25	03	1990		*0018	9 11.17	150 14.56	2387.2	13.1	307	1.1	321	12.1	306	GF	0.00	0.00	0	0.0	0.1	2314
25	03	1990		*0023	9 11.83	150 13.68	2388.3	13.0	307	0.9	318	12.1	306	GF	0.00	0.00	0	0.1	0.1	2315
25	03	1990		0024	9 12.0	150 13.5	2388.5	13.0	306	0.9	318	12.1	305	c/cs						2316
25	03	1990		*0028	9 12.47	150 12.79	2389.4	11.3	306	0.8	115	12.1	305	GF	0.00	0.00	0	0.1	0.1	2317
25	03	1990		*0030	9 12.69	150 12.48	2389.7	14.0	306	1.9	313	12.1	305	GF	0.00	0.00	0	0.0	0.0	2318
25	03	1990		*0038	9 13.79	150 10.95	2391.6	13.1	307	1.0	324	12.1	305	GF	0.00	0.00	0	0.3	0.1	2319
25	03	1990		*0043	9 14.44	150 10.06	2392.7	13.7	307	1.6	318	12.1	305	GF	0.00	0.00	0	0.1	0.1	2320
25	03	1990		*0048	9 15.12	150 9.13	2393.9	12.7	308	0.9	350	12.1	305	GF	0.00	0.00	0	0.1	0.1	2321
25	03	1990		*0053	9 15.77	150 8.28	2394.9	12.5	306	0.5	347	12.1	305	GF	0.00	0.00	0	0.1	0.1	2322
25	03	1990		0054	9 15.9	150 8.1	2395.1	12.4	307	0.5	347	12.1	306	c/cs						2323
25	03	1990		*0100	9 16.65	150 7.11	2396.4	13.9	307	1.9	317	12.1	306	GF	0.00	0.00	0	0.1	0.1	2324
25	03	1990		0104	9 17.2	150 6.4	2397.3	13.7	307	1.9	317	11.9	305	c/cs						2325
25	03	1990		*0108	9 17.76	150 5.62	2398.2	13.2	307	1.4	324	11.9	305	GF	0.00	0.00	0	0.2	0.1	2326
25	03	1990		*0113	9 18.42	150 4.73	2399.3	13.0	308	1.2	333	11.9	305	GF	0.00	0.00	0	0.1	0.1	2327
25	03	1990		*0118	9 19.08	150 3.86	2400.4	12.9	306	1.1	322	11.9	305	GF	0.00	0.00	0	0.1	0.1	2328
25	03	1990		0118	9 19.1	150 3.9	2400.4	12.7	307	1.1	322	11.6	306	c/cs						2329
25	03	1990		*0123	9 19.72	150 3.01	2401.4	12.2	308	0.7	348	11.6	306	GF	0.00	0.00	0	0.1	0.1	2330
25	03	1990		*0130	9 20.60	150 1.88	2402.9	12.9	307	1.3	312	11.6	306	GF	0.00	0.00	0	0.1	0.1	2331
25	03	1990		0137	9 21.5	150 0.7	2404.4	13.3	306	1.3	312	12.0	305	c/cs						2332

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	drift speed	drift cse	cmnt	prob. error (smajxsmn@az)	dist	drift time	no.	
25	03	1990	*0138	9	21.63	150 0.47	2404.6	13.3	307	1.3	321	12.0	305	GF	0.00 0.00	0	0.2	0.1	2333
25	03	1990	*0143	9	22.29	149 59.57	2405.7	13.2	308	1.4	335	12.0	305	GF	0.00 0.00	0	0.1	0.1	2334
25	03	1990	*0148	9	22.97	149 58.69	2406.8	13.1	307	1.2	321	12.0	305	GF	0.00 0.00	0	0.1	0.1	2335
25	03	1990	0148	9	23.0	149 58.7	2406.8	13.1	307	1.2	321	11.9	305	c/cs					2336
25	03	1990	*0153	9	23.62	149 57.80	2407.9	12.3	307	0.5	358	11.9	305	GF	0.00 0.00	0	0.1	0.1	2337
25	03	1990	*0200	9	24.48	149 56.64	2409.3	13.5	308	1.7	332	11.9	305	GF	0.00 0.00	0	0.1	0.1	2338
25	03	1990	0203	9	24.9	149 56.1	2410.0	13.6	308	1.7	332	12.1	305	c/cs					2339
25	03	1990	*0208	9	25.60	149 55.20	2411.1	13.0	307	1.0	330	12.1	305	GF	0.00 0.00	0	0.2	0.1	2340
25	03	1990	*0213	9	26.25	149 54.32	2412.2	13.2	307	1.3	330	12.1	305	GF	0.00 0.00	0	0.1	0.1	2341
25	03	1990	*0218	9	26.92	149 53.43	2413.3	12.9	308	1.0	344	12.1	305	GF	0.00 0.00	0	0.1	0.1	2342
25	03	1990	*0223	9	27.58	149 52.57	2414.4	12.8	307	0.9	345	12.1	305	GF	0.00 0.00	0	0.1	0.1	2343
25	03	1990	0225	9	27.8	149 52.2	2414.8	12.6	308	0.9	345	12.0	305	c/cs					2344
25	03	1990	*0230	9	28.48	149 51.38	2415.9	14.1	308	2.3	325	12.0	305	GF	0.00 0.00	0	0.1	0.1	2345
25	03	1990	*0238	9	29.64	149 49.88	2417.8	12.9	307	1.1	332	12.0	305	GF	0.00 0.00	0	0.3	0.1	2346
25	03	1990	*0243	9	30.29	149 49.01	2418.8	13.0	308	1.2	335	12.0	305	GF	0.00 0.00	0	0.1	0.1	2347
25	03	1990	*0248	9	30.95	149 48.14	2419.9	13.2	306	1.3	318	12.0	305	GF	0.00 0.00	0	0.1	0.1	2348
25	03	1990	*0253	9	31.60	149 47.24	2421.0	13.0	307	1.1	329	12.0	305	GF	0.00 0.00	0	0.1	0.1	2349
25	03	1990	0255	9	31.9	149 46.9	2421.5	13.0	308	1.1	329	11.9	306	c/cs					2350
25	03	1990	*0258	9	32.26	149 46.37	2422.1	11.5	307	0.5	103	11.9	306	GF	0.00 0.00	0	0.1	0.1	2351
25	03	1990	*0300	9	32.49	149 46.06	2422.5	13.9	306	2.0	309	11.9	306	GF	0.00 0.00	0	0.0	0.0	2352
25	03	1990	*0308	9	33.59	149 44.55	2424.3	13.4	306	1.5	307	11.9	306	GF	0.00 0.00	0	0.3	0.1	2353
25	03	1990	*0313	9	34.25	149 43.63	2425.5	13.6	306	1.7	307	11.9	306	GF	0.00 0.00	0	0.1	0.1	2354
25	03	1990	*0318	9	34.92	149 42.70	2426.6	13.3	306	1.4	310	11.9	306	GF	0.00 0.00	0	0.1	0.1	2355
25	03	1990	0320	9	35.2	149 42.3	2427.0	13.3	306	1.4	310	12.0	305	c/cs					2356
25	03	1990	*0323	9	35.57	149 41.79	2427.7	12.9	306	0.9	315	12.0	305	GF	0.00 0.00	0	0.1	0.1	2357
25	03	1990	*0330	9	36.45	149 40.55	2429.2	13.8	306	1.8	309	12.0	305	GF	0.00 0.00	0	0.1	0.1	2358
25	03	1990	*0338	9	37.52	149 39.03	2431.0	13.2	305	1.2	310	12.0	305	GF	0.00 0.00	0	0.2	0.1	2359
25	03	1990	*0343	9	38.16	149 38.12	2432.2	13.4	306	1.4	318	12.0	305	GF	0.00 0.00	0	0.1	0.1	2360
25	03	1990	*0348	9	38.82	149 37.21	2433.3	13.8	305	1.8	306	12.0	305	GF	0.00 0.00	0	0.1	0.1	2361
25	03	1990	0350	9	39.1	149 36.8	2433.7	13.8	305	1.8	306	12.0	305	c/cs					2362
25	03	1990	*0353	9	39.48	149 36.26	2434.4	13.7	305	1.8	306	12.0	305	GF	0.00 0.00	0	0.1	0.1	2363
25	03	1990	*0358	9	40.14	149 35.31	2435.6	11.6	305	0.4	129	12.0	305	GF	0.00 0.00	0	0.1	0.1	2364
25	03	1990	*0400	9	40.36	149 34.99	2435.9	13.4	305	1.5	301	12.0	305	GF	0.00 0.00	0	0.0	0.0	2365
25	03	1990	0402	9	40.6	149 34.6	2436.4	11.9	305	1.5	301	10.4	305	c/cs					2366
25	03	1990	*0408	9	41.29	149 33.62	2437.6	12.4	305	1.9	308	10.4	305	GF	0.00 0.00	0	0.2	0.1	2367
25	03	1990	0412	9	41.8	149 32.9	2438.4	13.7	305	1.9	308	11.8	305	c/cs					2368
25	03	1990	*0413	9	41.90	149 32.75	2438.6	13.4	306	1.6	310	11.8	305	GF	0.00 0.00	0	0.2	0.1	2369
25	03	1990	0417	9	42.4	149 32.0	2439.5	13.4	306	1.6	310	11.8	305	c/cs					2370
25	03	1990	*0418	9	42.55	149 31.83	2439.7	13.1	305	1.3	309	11.8	305	GF	0.00 0.00	0	0.1	0.1	2371
25	03	1990	*0423	9	43.18	149 30.93	2440.8	13.0	305	1.2	305	11.8	305	GF	0.00 0.00	0	0.1	0.1	2372
25	03	1990	*0430	9	44.05	149 29.67	2442.4	13.8	305	2.0	307	11.8	305	GF	0.00 0.00	0	0.1	0.1	2373
25	03	1990	*0438	9	45.11	149 28.15	2444.2	13.7	305	1.9	306	11.8	305	GF	0.00 0.00	0	0.3	0.1	2374
25	03	1990	*0443	9	45.77	149 27.20	2445.3	13.4	306	1.6	311	11.8	305	GF	0.00 0.00	0	0.2	0.1	2375
25	03	1990	0447	9	46.3	149 26.5	2446.2	13.4	306	1.6	311	11.8	305	c/cs					2376
25	03	1990	*0448	9	46.42	149 26.28	2446.4	14.0	311	2.6	342	11.8	305	GF	0.00 0.00	0	0.1	0.1	2377
25	03	1990	0504	9	48.9	149 23.4	2450.2	14.0	311	2.6	342	11.8	305	c/cs					2378
25	03	1990	*0508	9	49.51	149 22.73	2451.1	12.6	301	1.3	254	11.8	305	GF	0.00 0.00	0	0.9	0.3	2379
25	03	1990	0517	9	50.5	149 21.1	2453.0	12.6	301	1.3	254	11.8	305	c/cs					2380
25	03	1990	*0518	9	50.58	149 20.89	2453.2	13.4	308	1.7	331	11.8	305	GF	0.00 0.00	0	0.2	0.2	2381
25	03	1990	*0523	9	51.27	149 20.00	2454.3	13.3	306	1.5	314	11.8	305	GF	0.00 0.00	0	0.1	0.1	2382
25	03	1990	0526	9	51.7	149 19.5	2455.0	13.3	306	1.5	314	11.8	305	c/cs					2383
25	03	1990	*0528	9	51.92	149 19.09	2455.4	11.5	305	0.3	127	11.8	305	GF	0.00 0.00	0	0.1	0.1	2384
25	03	1990	*0530	9	52.14	149 18.77	2455.8	13.2	303	1.4	284	11.8	305	GF	0.00 0.00	0	0.0	0.0	2385

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
#																			
25	03	1990	0535		9 52.7	149 17.8	2456.9	13.2	303	1.4	284	11.8	305	c/cs				2386	
25	03	1990	*0538		9 53.09	149 17.27	2457.6	13.4	307	1.6	320	11.8	305	GF	0.00 0.00	0	0.2	0.1 2387	
25	03	1990	*0543		9 53.76	149 16.36	2458.7	13.1	305	1.3	306	11.8	305	GF	0.00 0.00	0	0.1	0.1 2388	
25	03	1990	*0548		9 54.39	149 15.45	2459.8	13.4	304	1.6	295	11.8	305	GF	0.00 0.00	0	0.1	0.1 2389	
25	03	1990	*0553		9 55.01	149 14.51	2460.9	12.7	307	1.0	328	11.8	305	GF	0.00 0.00	0	0.1	0.1 2390	
25	03	1990	*0600		9 55.90	149 13.30	2462.4	12.9	298	1.8	247	11.8	305	GF	0.00 0.00	0	0.1	0.1 2391	
25	03	1990	0604		9 56.3	149 12.5	2463.3	13.1	298	1.8	247	12.0	305	c/cs				2392	
25	03	1990	*0608		9 56.72	149 11.75	2464.1	13.3	306	1.3	315	12.0	305	GF	0.00 0.00	0	0.2	0.1 2393	
25	03	1990	*0613		9 57.37	149 10.84	2465.2	13.3	305	1.3	307	12.0	305	GF	0.00 0.00	0	0.1	0.1 2394	
25	03	1990	*0618		9 58.01	149 9.92	2466.4	12.7	306	0.7	322	12.0	305	GF	0.00 0.00	0	0.1	0.1 2395	
25	03	1990	*0623		9 58.63	149 9.05	2467.4	12.8	307	0.9	334	12.0	305	GF	0.00 0.00	0	0.1	0.1 2396	
25	03	1990	0623		9 58.6	149 9.0	2467.4	12.6	307	0.9	334	11.8	305	c/cs				2397	
25	03	1990	*0630		9 59.51	149 7.86	2468.9	13.6	305	1.8	306	11.8	305	GF	0.00 0.00	0	0.1	0.1 2398	
25	03	1990	*0638		10 0.55	149 6.36	2470.7	13.4	306	1.6	311	11.8	305	GF	0.00 0.00	0	0.2	0.1 2399	
25	03	1990	*0643		10 1.20	149 5.44	2471.8	12.6	305	0.8	312	11.8	305	GF	0.00 0.00	0	0.1	0.1 2400	
25	03	1990	*0648		10 1.81	149 4.57	2472.8	12.7	306	0.9	316	11.8	305	GF	0.00 0.00	0	0.1	0.1 2401	
25	03	1990	0652		10 2.3	149 3.9	2473.7	12.9	306	0.9	316	11.9	305	c/cs				2402	
25	03	1990	*0700		10 3.31	149 2.46	2475.4	13.5	305	1.6	306	11.9	305	GF	0.00 0.00	0	0.2	0.2 2403	
25	03	1990	*0708		10 4.35	149 0.96	2477.2	13.2	306	1.3	311	11.9	305	GF	0.00 0.00	0	0.2	0.1 2404	
25	03	1990	*0713		10 4.99	149 0.05	2478.3	13.4	305	1.5	304	11.9	305	GF	0.00 0.00	0	0.1	0.1 2405	
25	03	1990	*0718		10 5.63	148 59.12	2479.4	13.3	305	1.3	303	11.9	305	GF	0.00 0.00	0	0.1	0.1 2406	
25	03	1990	0722		10 6.1	148 58.4	2480.3	13.1	305	1.3	303	11.7	305	c/cs				2407	
25	03	1990	*0723		10 6.26	148 58.20	2480.5	12.3	306	0.6	324	11.7	305	GF	0.00 0.00	0	0.1	0.1 2408	
25	03	1990	*0730		10 7.10	148 57.02	2482.0	13.0	304	1.3	299	11.7	305	GF	0.00 0.00	0	0.1	0.1 2409	
25	03	1990	0733		10 7.5	148 56.5	2482.6	12.7	304	1.3	299	11.5	305	c/cs				2410	
25	03	1990	0737		10 7.9	148 55.8	2483.5	13.2	304	1.3	299	11.9	305	c/cs				2411	
25	03	1990	*0738		10 8.07	148 55.58	2483.7	13.1	304	1.2	294	11.9	305	GF	0.00 0.00	0	0.2	0.1 2412	
25	03	1990	*0743		10 8.68	148 54.66	2484.8	13.4	304	1.5	299	11.9	305	GF	0.00 0.00	0	0.1	0.1 2413	
25	03	1990	*0748		10 9.31	148 53.72	2485.9	13.6	304	1.8	295	11.9	305	GF	0.00 0.00	0	0.1	0.1 2414	
25	03	1990	*0753		10 9.94	148 52.76	2487.0	13.1	305	1.2	301	11.9	305	GF	0.00 0.00	0	0.1	0.1 2415	
25	03	1990	*0800		10 10.81	148 51.48	2488.6	14.2	306	2.3	308	11.9	305	GF	0.00 0.00	0	0.1	0.1 2416	
25	03	1990	0804		10 11.4	148 50.7	2489.5	14.4	306	2.3	308	12.1	305	c/cs				2417	
25	03	1990	*0808		10 11.92	148 49.90	2490.5	14.0	306	1.9	311	12.1	305	GF	0.00 0.00	0	0.3	0.1 2418	
25	03	1990	*0813		10 12.60	148 48.94	2491.6	13.9	305	1.8	302	12.1	305	GF	0.00 0.00	0	0.2	0.1 2419	
25	03	1990	*0818		10 13.26	148 47.97	2492.8	14.5	309	2.7	330	12.1	305	GF	0.00 0.00	0	0.2	0.1 2420	
25	03	1990	0821		10 13.7	148 47.4	2493.5	14.3	310	2.7	330	11.9	306	c/cs				2421	
25	03	1990	*0823		10 14.03	148 47.03	2494.0	14.1	309	2.3	324	11.9	306	GF	0.00 0.00	0	0.2	0.1 2422	
25	03	1990	*0828		10 14.77	148 46.10	2495.2	11.6	291	3.1	203	11.9	306	GF	0.00 0.00	0	0.2	0.1 2423	
25	03	1990	*0848		10 16.13	148 42.43	2499.0	14.9	314	3.5	342	11.9	306	GF	0.00 0.00	0	1.0	0.3 2424	
25	03	1990	0851		10 16.6	148 41.9	2499.8	14.9	314	3.5	342	11.9	306	c/cs				2425	
25	03	1990	*0900		10 18.20	148 40.25	2502.0	14.5	308	2.6	317	11.9	306	GF	0.00 0.00	0	0.7	0.2 2426	
25	03	1990	0905		10 18.9	148 39.3	2503.2	14.6	308	2.6	317	12.0	306	c/cs				2427	
25	03	1990	*0908		10 19.39	148 38.70	2504.0	13.6	308	1.6	320	12.0	306	GF	0.00 0.00	0	0.4	0.1 2428	
25	03	1990	*0913		10 20.08	148 37.79	2505.1	13.4	307	1.5	313	12.0	306	GF	0.00 0.00	0	0.1	0.1 2429	
25	03	1990	*0918		10 20.75	148 36.88	2506.2	13.5	307	1.5	311	12.0	306	GF	0.00 0.00	0	0.1	0.1 2430	
25	03	1990	0920		10 21.0	148 36.5	2506.7	13.6	307	1.5	311	12.1	306	c/cs				2431	
25	03	1990	*0923		10 21.42	148 35.96	2507.3	13.1	307	1.1	319	12.1	306	GF	0.00 0.00	0	0.1	0.1 2432	
25	03	1990	*0930		10 22.34	148 34.72	2508.9	14.2	306	2.1	308	12.1	306	GF	0.00 0.00	0	0.1	0.1 2433	
25	03	1990	*0938		10 23.46	148 33.17	2510.8	13.4	306	1.3	303	12.1	306	GF	0.00 0.00	0	0.3	0.1 2434	
25	03	1990	*0943		10 24.11	148 32.25	2511.9	13.4	308	1.4	321	12.1	306	GF	0.00 0.00	0	0.1	0.1 2435	
25	03	1990	*0948		10 24.79	148 31.35	2513.0	12.9	307	0.8	318	12.1	306	GF	0.00 0.00	0	0.1	0.1 2436	
25	03	1990	0950		10 25.0	148 31.0	2513.4	12.8	307	0.8	318	12.0	306	c/cs				2437	
25	03	1990	*0953		10 25.43	148 30.48	2514.1	13.1	306	1.1	304	12.0	306	GF	0.00 0.00	0	0.1	0.1 2438	

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	drift speed	drift cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
#																			
25	03	1990	*0958		10 26.07	148 29.58	2515.1	10.4	307	1.7	118	12.0	306	GF	0.00 0.00	0	0.1	0.1	2439
25	03	1990	*1000		10 26.28	148 29.30	2515.5	13.1	306	1.1	300	12.0	306	GF	0.00 0.00	0	0.1	0.0	2440
25	03	1990	1020		10 28.8	148 25.7	2519.9	13.1	306	1.1	300	12.1	307	c/cs					2441
25	03	1990	1039		10 31.3	148 22.3	2524.0	12.8	306	1.1	300	11.8	307	c/cs					2442
25	03	1990	1045		10 32.0	148 21.2	2525.3	13.2	306	1.1	300	12.2	307	c/cs					2443
25	03	1990	*1048		10 32.44	148 20.7	2526.0	13.3	307	1.1	310	12.2	307	GF	0.00 0.00	0	0.8	0.8	2444
25	03	1990	1048		10 32.4	148 20.7	2526.0	13.2	306	1.1	310	12.0	306	c/cs					2445
25	03	1990	*1053		10 33.09	148 19.80	2527.1	12.6	306	0.5	303	12.0	306	GF	0.00 0.00	0	0.1	0.1	2446
25	03	1990	*1100		10 33.95	148 18.59	2528.5	13.8	307	1.8	315	12.0	306	GF	0.00 0.00	0	0.1	0.1	2447
25	03	1990	*1108		10 35.06	148 17.10	2530.4	13.1	307	1.1	316	12.0	306	GF	0.00 0.00	0	0.2	0.1	2448
25	03	1990	1108		10 35.1	148 17.1	2530.4	13.1	308	1.1	316	12.0	307	c/cs					2449
25	03	1990	*1113		10 35.73	148 16.22	2531.4	13.3	306	1.3	301	12.0	307	GF	0.00 0.00	0	0.1	0.1	2450
25	03	1990	*1118		10 36.39	148 15.31	2532.6	13.1	308	1.0	318	12.0	307	GF	0.00 0.00	0	0.1	0.1	2451
25	03	1990	1122		10 36.9	148 14.6	2533.4	13.0	309	1.0	318	12.0	308	c/cs					2452
25	03	1990	*1123		10 37.06	148 14.44	2533.6	13.2	307	1.3	301	12.0	308	GF	0.00 0.00	0	0.1	0.1	2453
25	03	1990	1131		10 38.1	148 13.0	2535.4	13.3	307	1.3	301	12.0	308	c/cs					2454
25	03	1990	1201		10 42.2	148 7.7	2542.0	13.3	307	1.3	301	12.0	308	c/cs					2455
25	03	1990	1205		10 42.7	148 6.9	2542.9	13.3	307	1.3	301	12.0	308	c/cs					2456
25	03	1990	1234		10 46.6	148 1.7	2549.4	13.3	307	1.3	301	12.0	308	c/cs					2457
25	03	1990	1304		10 50.6	147 56.3	2556.0	13.2	307	1.3	301	12.0	308	c/cs					2458
25	03	1990	1329		10 54.0	147 51.9	2561.5	13.4	306	1.3	301	12.2	307	c/cs					2459
25	03	1990	1334		10 54.6	147 51.0	2562.6	13.2	307	1.3	301	11.9	308	c/cs					2460
25	03	1990	1400		10 58.1	147 46.3	2568.3	13.4	307	1.3	301	12.1	308	c/cs					2461
25	03	1990	1430		11 2.2	147 40.9	2575.1	13.4	306	1.3	301	12.1	307	c/cs					2462
25	03	1990	*1443		11 3.89	147 38.53	2578.0	13.4	306	1.2	299	12.1	307	GF	0.00 0.00	0	4.3	3.3	2463
25	03	1990	1443		11 3.9	147 38.5	2578.0	13.3	307	1.2	299	12.1	308	c/cs					2464
25	03	1990	*1448		11 4.56	147 37.63	2579.1	13.6	307	1.6	303	12.1	308	GF	0.00 0.00	0	0.1	0.1	2465
25	03	1990	*1453		11 5.25	147 36.71	2580.2	13.1	308	1.0	307	12.1	308	GF	0.00 0.00	0	0.1	0.1	2466
25	03	1990	*1508		11 7.26	147 34.08	2583.5	13.7	306	1.6	291	12.1	308	GF	0.00 0.00	0	0.3	0.2	2467
25	03	1990	*1513		11 7.93	147 33.14	2584.6	13.6	306	1.6	292	12.1	308	GF	0.00 0.00	0	0.1	0.1	2468
25	03	1990	1513		11 7.9	147 33.1	2584.6	13.7	305	1.6	292	12.2	307	c/cs					2469
25	03	1990	*1518		11 8.59	147 32.19	2585.8	12.9	307	0.7	299	12.2	307	GF	0.00 0.00	0	0.1	0.1	2470
25	03	1990	*1523		11 9.23	147 31.31	2586.8	12.6	307	0.4	310	12.2	307	GF	0.00 0.00	0	0.1	0.1	2471
25	03	1990	1523		11 9.2	147 31.3	2586.8	12.5	306	0.4	310	12.1	306	c/cs					2472
25	03	1990	*1530		11 10.09	147 30.11	2588.3	14.3	306	2.3	305	12.1	306	GF	0.00 0.00	0	0.0	0.1	2473
25	03	1990	*1538		11 11.21	147 28.53	2590.2	13.5	303	1.6	279	12.1	306	GF	0.00 0.00	0	0.3	0.1	2474
25	03	1990	1538		11 11.2	147 28.5	2590.2	13.5	303	1.6	279	12.0	306	c/cs					2475
25	03	1990	*1543		11 11.82	147 27.57	2591.3	13.6	307	1.6	315	12.0	306	GF	0.00 0.00	0	0.1	0.1	2476
25	03	1990	*1548		11 12.50	147 26.65	2592.5	13.5	305	1.5	301	12.0	306	GF	0.00 0.00	0	0.1	0.1	2477
25	03	1990	*1553		11 13.15	147 25.72	2593.6	12.6	306	0.6	300	12.0	306	GF	0.00 0.00	0	0.1	0.1	2478
25	03	1990	1600		11 14.01	147 24.50	2595.1	14.5	305	2.5	301	12.0	306	GF	0.00 0.00	0	0.1	0.1	2479
25	03	1990	1606		11 14.8	147 23.3	2596.5	14.5	304	2.5	301	12.0	305	c/cs					2480
25	03	1990	*1613		11 15.80	147 21.87	2598.2	13.3	304	1.3	294	12.0	305	GF	0.00 0.00	0	0.5	0.2	2481
25	03	1990	*1618		11 16.42	147 20.93	2599.3	13.5	304	1.5	297	12.0	305	GF	0.00 0.00	0	0.1	0.1	2482
25	03	1990	*1623		11 17.05	147 19.98	2600.4	12.9	304	0.9	290	12.0	305	GF	0.00 0.00	0	0.1	0.1	2483
25	03	1990	*1630		11 17.89	147 18.71	2601.9	14.4	304	2.4	298	12.0	305	GF	0.00 0.00	0	0.1	0.1	2484
25	03	1990	1636		11 18.7	147 17.5	2603.4	14.4	304	2.4	298	11.9	305	c/cs					2485
25	03	1990	*1638		11 18.96	147 17.08	2603.9	13.6	304	1.7	295	11.9	305	GF	0.00 0.00	0	0.3	0.1	2486
25	03	1990	*1643		11 19.59	147 16.12	2605.0	12.9	303	1.1	274	11.9	305	GF	0.00 0.00	0	0.1	0.1	2487
25	03	1990	1646		11 19.9	147 15.6	2605.6	10.4	304	1.1	274	9.5	307	c/cs					2488
25	03	1990	*1648		11 20.13	147 15.27	2606.0	10.3	303	1.1	265	9.5	307	GF	0.00 0.00	0	0.1	0.1	2489
25	03	1990	1649		11 20.2	147 15.1	2606.1	7.7	301	1.1	265	6.8	307	c/cs					2490
25	03	1990	*1653		11 20.49	147 14.68	2606.7	7.2	301	0.8	242	6.8	307	GF	0.00 0.00	0	0.1	0.1	2491

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed cse	drift speed hed	dr speed cse	cmnt	prob. error (smajxsmin@az)	drift dist	time	no.	
#																
25	03	1990		1654	11 20.6	147 14.6	2606.8	6.6 300	0.8 242	6.2 306	c/cs				2492	
25	03	1990		*1700	11 20.88	147 13.99	2607.4	8.0 302	1.8 287	6.2 306	GF	0.00 0.00	0	0.1	2493	
25	03	1990		1700	11 20.9	147 14.0	2607.4	7.9 300	1.8 287	6.2 304	c/cs				2494	
25	03	1990		*1708	11 21.41	147 13.06	2608.5	7.3 300	1.2 278	6.2 304	GF	0.00 0.00	0	0.2	2495	
25	03	1990		1708	11 21.4	147 13.1	2608.5	9.6 301	1.2 278	8.5 304	c/cs				2496	
25	03	1990		*1713	11 21.82	147 12.36	2609.3	8.9 304	0.4 300	8.5 304	GF	0.00 0.00	0	0.1	2497	
25	03	1990		1714	11 21.9	147 12.2	2609.4	9.4 305	0.4 300	9.0 305	c/cs				2498	
25	03	1990		*1718	11 22.26	147 11.71	2610.1	10.1 301	1.2 271	9.0 305	GF	0.00 0.00	0	0.0	0.1	2499
25	03	1990		1720	11 22.4	147 11.4	2610.4	8.6 300	1.2 271	7.5 305	c/cs				2500	
25	03	1990		*1723	11 22.65	147 11.04	2610.8	8.1 303	0.6 275	7.5 305	GF	0.00 0.00	0	0.1	0.1	2501
25	03	1990		1730	11 23.16	147 10.23	2611.8	9.1 300	1.7 278	7.5 305	GF	0.00 0.00	0	0.1	0.1	2502
25	03	1990		*1735	11 23.54	147 9.56	2612.5	8.3 303	0.8 283	7.5 305	GF	0.00 0.00	0	0.1	0.1	2503
25	03	1990		1737	11 23.7	147 9.3	2612.8	7.8 303	0.8 283	7.0 305	c/cs				2504	
25	03	1990		*1740	11 23.90	147 8.99	2613.2	8.0 303	1.0 288	7.0 305	GF	0.00 0.00	0	0.1	0.1	2505
25	03	1990		1745	11 24.26	147 8.42	2613.9	8.3 301	1.4 283	7.0 305	GF	0.00 0.00	0	0.1	0.1	2506
25	03	1990		*1750	11 24.62	147 7.82	2614.6	8.4 302	1.5 286	7.0 305	GF	0.00 0.00	0	0.1	0.1	2507
25	03	1990		1750	11 24.6	147 7.8	2614.6	8.0 302	1.5 286	6.6 305	c/cs				2508	
25	03	1990		*1755	11 24.97	147 7.24	2615.2	8.1 298	1.8 271	6.6 305	GF	0.00 0.00	0	0.1	0.1	2509
25	03	1990		1755	11 25.0	147 7.2	2615.2	8.6 298	1.8 271	7.0 305	c/cs				2510	
25	03	1990		*1800	11 25.31	147 6.60	2615.9	8.3 300	1.4 277	7.0 305	GF	0.00 0.00	0	0.1	0.1	2511
25	03	1990		1805	11 25.66	147 5.99	2616.6	8.2 303	1.2 291	7.0 305	GF	0.00 0.00	0	0.1	0.1	2512
25	03	1990		1808	11 25.9	147 5.6	2617.0	8.5 304	1.2 291	7.3 306	c/cs				2513	
25	03	1990		*1810	11 26.04	147 5.40	2617.3	8.7 301	1.7 276	7.3 306	GF	0.00 0.00	0	0.1	0.1	2514
25	03	1990		1815	11 26.41	147 4.76	2618.0	8.1 306	0.9 307	7.3 306	GF	0.00 0.00	0	0.1	0.1	2515
25	03	1990		*1815	11 26.81	147 4.20	2618.7	8.6 303	1.4 290	7.3 306	GF	0.00 0.00	0	0.1	0.1	2516
25	03	1990		1820	11 27.0	147 3.8	2619.2	8.7 307	1.4 290	7.4 310	c/cs				2517	
25	03	1990		*1823	11 27.22	147 3.60	2619.4	8.4 307	1.1 286	7.4 310	GF	0.00 0.00	0	0.1	0.1	2518
25	03	1990		1825	11 27.2	147 3.6	2619.4	8.4 307	1.1 286	7.4 310	c/cs				2519	
25	03	1990		*1825	11 27.64	147 3.03	2620.1	8.3 308	1.0 289	7.4 310	GF	0.00 0.00	0	0.1	0.1	2520
25	03	1990		1830	11 28.0	147 2.6	2620.7	8.3 307	1.0 289	7.4 309	c/cs				2521	
25	03	1990		*1834	11 28.06	147 2.47	2620.8	8.6 316	1.5 350	7.4 309	GF	0.00 0.00	0	0.1	0.1	2522
25	03	1990		1835	11 28.06	147 2.47	2620.8	9.0 298	2.2 259	7.4 309	GF	0.00 0.00	0	0.1	0.1	2523
25	03	1990		*1840	11 28.57	147 1.96	2621.5	9.0 298	1.8 287	7.4 309	GF	0.00 0.00	0	0.7	0.3	2524
25	03	1990		1900	11 29.98	146 59.27	2624.5	9.0 305	1.8 287	7.2 309	c/cs				2525	
25	03	1990		1901	11 30.1	146 59.1	2624.7	8.8 305	1.8 287	7.2 309	GF	0.00 0.00	0	0.1	0.1	2526
25	03	1990		*1905	11 30.40	146 58.65	2625.3	8.9 302	2.0 276	7.2 309	c/cs				2527	
25	03	1990		1906	11 30.5	146 58.5	2625.4	9.1 302	2.0 276	7.3 309	c/cs				2528	
25	03	1990		*1910	11 30.80	146 58.00	2626.0	8.4 311	1.1 325	7.3 309	GF	0.00 0.00	0	0.2	0.1	2529
25	03	1990		1915	11 31.26	146 57.46	2626.7	8.7 309	1.4 312	7.3 309	GF	0.00 0.00	0	0.1	0.1	2530
25	03	1990		*1915	11 31.72	146 56.89	2627.5	8.6 307	1.3 296	7.3 309	GF	0.00 0.00	0	0.1	0.1	2531
25	03	1990		1920	11 31.72	146 56.89	2627.5	8.7 306	1.5 292	7.3 309	GF	0.00 0.00	0	0.1	0.1	2532
25	03	1990		*1925	11 32.15	146 56.31	2628.2	8.7 306	1.5 292	7.3 309	GF	0.00 0.00	0	0.1	0.1	2533
25	03	1990		1930	11 32.58	146 55.71	2628.9	9.1 303	1.9 280	7.3 309	GF	0.00 0.00	0	0.1	0.1	2534
25	03	1990		*1930	11 32.8	146 55.3	2629.3	9.1 302	1.9 280	7.4 308	c/cs				2535	
25	03	1990		1933	11 32.8	146 55.3	2629.3	8.4 311	1.1 331	7.4 308	GF	0.00 0.00	0	0.2	0.1	2536
25	03	1990		*1935	11 32.99	146 55.06	2629.7	8.4 311	1.1 331	7.4 308	GF	0.00 0.00	0	0.1	0.1	2537
25	03	1990		1940	11 33.45	146 54.52	2630.4	8.9 305	1.5 289	7.4 308	GF	0.00 0.00	0	0.1	0.1	2538
25	03	1990		*1945	11 33.87	146 53.90	2631.1	8.7 306	1.4 297	7.4 308	GF	0.00 0.00	0	0.1	0.1	2539
25	03	1990		1950	11 33.87	146 53.90	2631.1	8.9 307	1.5 305	7.4 308	GF	0.00 0.00	0	0.1	0.1	2540
25	03	1990		*1950	11 34.30	146 53.30	2631.8	8.9 307	1.5 301	7.4 308	GF	0.00 0.00	0	0.1	0.1	2541
25	03	1990		1955	11 34.75	146 52.70	2632.6	8.9 307	1.5 301	7.2 308	c/cs				2542	
25	03	1990		1957	11 34.9	146 52.5	2632.9	8.7 307	1.5 301	7.2 308	GF	0.00 0.00	0	0.1	0.1	2543
25	03	1990		*2000	11 35.19	146 52.10	2633.3	8.7 306	1.5 298	7.2 308	GF	0.00 0.00	0	0.1	0.1	2544
25	03	1990		2002	11 35.4	146 51.9	2633.6	8.9 307	1.5 298	7.3 309	c/cs				2545	
25	03	1990		*2005	11 35.63	146 51.50	2634.0	9.0 306	1.7 293	7.3 309	GF	0.00 0.00	0	0.1	0.1	2546
25	03	1990		2010	11 36.07	146 50.88	2634.8	8.6 308	1.3 300	7.3 309	GF	0.00 0.00	0	0.1	0.1	2547
25	03	1990		*2015	11 36.51	146 50.30	2635.5	9.2 305	1.9 292	7.3 309	GF	0.00 0.00	0	0.1	0.1	2548

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmi@az)	drift dist	drift time	no.	
#																			2545
25	03	1990		2017	11 36.7	146 50.0	2635.8	8.7	305	1.9	292	6.8	309	c/cs				2546	
25	03	1990		*2020	11 36.94	146 49.68	2636.2	8.4	306	1.6	291	6.8	309	GF	0.00 0.00	0	0.2	2547	
25	03	1990		2021	11 37.0	146 49.6	2636.4	9.0	306	1.6	291	7.4	309	c/cs				2548	
25	03	1990		*2025	11 37.37	146 49.07	2637.0	8.8	308	1.4	302	7.4	309	GF	0.00 0.00	0	0.1	2549	
25	03	1990		*2030	11 37.82	146 48.48	2637.7	8.5	308	1.1	298	7.4	309	GF	0.00 0.00	0	0.1	2550	
25	03	1990		*2035	11 38.25	146 47.91	2638.4	8.8	307	1.4	296	7.4	309	GF	0.00 0.00	0	0.1	2551	
25	03	1990		*2040	11 38.69	146 47.31	2639.1	8.7	307	1.3	298	7.4	309	GF	0.00 0.00	0	0.1	2552	
25	03	1990		*2045	11 39.13	146 46.72	2639.9	8.9	307	1.5	299	7.4	309	GF	0.00 0.00	0	0.1	2553	
25	03	1990		*2050	11 39.58	146 46.12	2640.6	9.0	307	1.6	297	7.4	309	GF	0.00 0.00	0	0.1	2554	
25	03	1990		2051	11 39.7	146 46.0	2640.8	8.8	307	1.6	297	7.2	309	c/cs				2555	
25	03	1990		*2055	11 40.02	146 45.52	2641.3	8.8	308	1.6	303	7.2	309	GF	0.00 0.00	0	0.1	2556	
25	03	1990		*2100	11 40.47	146 44.93	2642.1	8.3	308	1.2	300	7.2	309	GF	0.00 0.00	0	0.1	2557	
25	03	1990		2103	11 40.7	146 44.6	2642.5	7.6	308	1.2	300	6.4	309	c/cs				2558	
25	03	1990		*2105	11 40.88	146 44.39	2642.8	7.5	307	1.1	298	6.4	309	GF	0.00 0.00	0	0.1	2559	
25	03	1990		*2110	11 41.26	146 43.88	2643.4	7.3	308	0.9	300	6.6	309	c/cs				2560	
25	03	1990		2112	11 41.4	146 43.7	2643.6	7.5	308	0.9	300	6.6	309	GF	0.00 0.00	0	0.1	2561	
25	03	1990		*2115	11 41.64	146 43.38	2644.0	7.3	308	0.7	294	6.6	309	GF	0.00 0.00	0	0.1	2562	
25	03	1990		*2120	11 42.01	146 42.89	2644.6	7.6	307	1.0	295	6.6	309	GF	0.00 0.00	0	0.1	2563	
25	03	1990		2121	11 42.1	146 42.8	2644.7	7.3	307	1.0	295	6.4	309	c/cs				2564	
25	03	1990		*2125	11 42.38	146 42.39	2645.2	7.3	308	0.9	298	6.4	309	GF	0.00 0.00	0	0.1	2565	
25	03	1990		*2130	11 42.75	146 41.90	2645.8	7.6	307	1.3	295	6.4	309	GF	0.00 0.00	0	0.1	2566	
25	03	1990		*2135	11 43.13	146 41.38	2646.5	7.2	308	0.8	302	6.4	309	GF	0.00 0.00	0	0.1	2567	
25	03	1990		*2140	11 43.50	146 40.90	2647.1	7.2	306	0.9	282	6.4	309	GF	0.00 0.00	0	0.1	2568	
25	03	1990		*2145	11 43.85	146 40.40	2647.7	7.6	308	1.2	303	6.4	309	GF	0.00 0.00	0	0.1	2569	
25	03	1990		*2150	11 44.24	146 39.89	2648.3	6.9	309	0.5	304	6.4	309	GF	0.00 0.00	0	0.1	2570	
25	03	1990		2152	11 44.4	146 39.7	2648.5	7.0	309	0.5	304	6.4	309	c/cs				2571	
25	03	1990		*2155	11 44.60	146 39.43	2648.9	7.5	307	1.1	297	6.4	309	GF	0.00 0.00	0	0.0	2572	
25	03	1990		*2200	11 44.98	146 38.92	2649.5	7.4	307	0.9	294	6.4	309	GF	0.00 0.00	0	0.1	2573	
25	03	1990		*2205	11 45.35	146 38.42	2650.1	7.1	309	0.6	307	6.4	309	GF	0.00 0.00	0	0.1	2574	
25	03	1990		*2210	11 45.72	146 37.95	2650.7	7.2	310	0.7	314	6.4	309	GF	0.00 0.00	0	0.1	2575	
25	03	1990		*2215	11 46.10	146 37.48	2651.3	7.2	307	0.8	290	6.4	309	GF	0.00 0.00	0	0.1	2576	
25	03	1990		*2220	11 46.46	146 36.99	2651.9	7.0	309	0.6	307	6.4	309	GF	0.00 0.00	0	0.1	2577	
25	03	1990		2222	11 46.6	146 36.8	2652.1	7.1	309	0.6	307	6.6	309	c/cs				2578	
25	03	1990		*2225	11 46.83	146 36.52	2652.5	7.7	307	1.1	298	6.6	309	GF	0.00 0.00	0	0.0	2579	
25	03	1990		*2230	11 47.22	146 36.00	2653.1	7.6	308	1.0	305	6.6	309	GF	0.00 0.00	0	0.1	2580	
25	03	1990		2230	11 47.2	146 36.0	2653.1	8.1	308	1.0	305	7.1	309	c/cs				2581	
25	03	1990		*2235	11 47.64	146 35.46	2653.8	8.0	308	1.0	299	7.1	309	GF	0.00 0.00	0	0.1	2582	
25	03	1990		*2240	11 48.05	146 34.92	2654.5	8.1	308	1.0	305	7.1	309	GF	0.00 0.00	0	0.1	2583	
25	03	1990		*2245	11 48.47	146 34.38	2655.1	8.0	308	0.9	301	7.1	309	GF	0.00 0.00	0	0.1	2584	
25	03	1990		*2249	11 48.80	146 33.95	2655.7	7.5	309	0.5	314	7.1	309	GF	0.00 0.00	0	0.0	2585	
25	03	1990		*2250	11 48.88	146 33.85	2655.8	7.9	309	0.8	307	7.1	309	GF	0.00 0.00	0	0.1	2586	
25	03	1990		*2255	11 49.29	146 33.33	2656.5	7.9	308	0.8	302	7.1	309	GF	0.00 0.00	0	0.1	2587	
25	03	1990		*2300	11 49.70	146 32.80	2657.1	8.2	309	1.1	308	7.1	309	GF	0.00 0.00	0	0.1	2588	
25	03	1990		2300	11 49.7	146 32.8	2657.1	7.8	309	1.1	308	6.8	309	c/cs				2589	
25	03	1990		*2305	11 50.11	146 32.28	2657.8	7.6	309	0.9	308	6.8	309	GF	0.00 0.00	0	0.1	2590	
25	03	1990		2306	11 50.2	146 32.2	2657.9	7.9	309	0.9	308	7.0	309	c/cs				2591	
25	03	1990		*2310	11 50.52	146 31.76	2658.4	8.1	307	1.1	295	7.0	309	GF	0.00 0.00	0	0.1	2592	
25	03	1990		2312	11 50.7	146 31.5	2658.7	7.8	307	1.1	295	6.8	309	c/cs				2593	
25	03	1990		*2315	11 50.92	146 31.22	2659.1	7.9	308	1.1	304	6.8	309	GF	0.00 0.00	0	0.1	2594	
25	03	1990		2317	11 51.1	146 31.0	2659.4	8.0	308	1.1	304	6.9	309	c/cs				2595	
25	03	1990		*2320	11 51.33	146 30.69	2659.8	8.2	308	1.3	302	6.9	309	GF	0.00 0.00	0	0.1	2596	
25	03	1990		*2325	11 51.75	146 30.14	2660.4	8.0	307	1.1	295	6.9	309	GF	0.00 0.00	0	0.1	2597	
25	03	1990		*2330	11 52.15	146 29.60	2661.1	8.0	308	1.1	300	6.9	309	GF	0.00 0.00	0	0.1	2597	

#cruise ODP130JR

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smaxxmin@az)	drift dist	drift time	no.	
#																			
25	03	1990	*2335		11 52.56	146 29.06	2661.8	8.5	307	1.6	299	6.9	309	GF	0.00 0.00	0	0.1	0.1	2598
25	03	1990	*2339		11 52.90	146 28.60	2662.3	6.8	309	0.2	149	6.9	309	GF	0.00 0.00	0	0.1	0.1	2599
25	03	1990	*2340		11 52.97	146 28.51	2662.4	8.1	307	1.2	298	6.9	309	GF	0.00 0.00	0	0.0	0.0	2600
25	03	1990	*2345		11 53.38	146 27.96	2663.1	8.0	308	1.1	305	6.9	309	GF	0.00 0.00	0	0.1	0.1	2601
25	03	1990	2347		11 53.5	146 27.7	2663.4	8.1	308	1.1	305	7.0	309	c/cs					2602
25	03	1990	*2350		11 53.80	146 27.42	2663.8	7.8	309	0.8	308	7.0	309	GF	0.00 0.00	0	0.1	0.1	2603
25	03	1990	*2355		11 54.21	146 26.90	2664.5	8.0	307	1.0	293	7.0	309	GF	0.00 0.00	0	0.1	0.1	2604
26	03	1990	*0000		11 54.61	146 26.36	2665.1	7.9	308	0.9	303	7.0	309	GF	0.00 0.00	0	0.1	0.1	2605
26	03	1990	0000		11 54.6	146 26.4	2665.1	7.9	308	0.9	303	7.0	309	c/cs					2606
26	03	1990	*0005		11 55.02	146 25.83	2665.8	8.0	307	1.0	293	7.0	309	GF	0.00 0.00	0	0.1	0.1	2607
26	03	1990	*0010		11 55.42	146 25.29	2666.4	7.7	309	0.7	306	7.0	309	GF	0.00 0.00	0	0.1	0.1	2608
26	03	1990	*0015		11 55.82	146 24.78	2667.1	8.6	307	1.6	301	7.0	309	GF	0.00 0.00	0	0.1	0.1	2609
26	03	1990	0017		11 56.0	146 24.5	2667.4	8.6	307	1.6	301	7.0	309	c/cs					2610
26	03	1990	*0030		11 57.13	146 23.03	2669.2	7.9	308	0.8	296	7.0	309	GF	0.00 0.00	0	0.4	0.2	2611
26	03	1990	*0035		11 57.53	146 22.50	2669.9	9.0	306	2.0	297	7.0	309	GF	0.00 0.00	0	0.1	0.1	2612
26	03	1990	0035		11 57.5	146 22.5	2669.9	8.5	306	2.0	297	6.5	309	c/cs					2613
26	03	1990	0038		11 57.8	146 22.1	2670.3	9.0	306	2.0	297	7.0	309	c/cs					2614
26	03	1990	*0040		11 57.96	146 21.90	2670.6	8.1	305	1.1	283	7.0	309	GF	0.00 0.00	0	0.2	0.1	2615
26	03	1990	*0045		11 58.35	146 21.34	2671.3	8.5	306	1.5	295	7.0	309	GF	0.00 0.00	0	0.1	0.1	2616
26	03	1990	*0050		11 58.77	146 20.76	2672.0	8.1	305	1.1	283	7.0	309	GF	0.00 0.00	0	0.1	0.1	2617
26	03	1990	*0055		11 59.16	146 20.20	2672.7	8.0	308	1.0	300	7.0	309	GF	0.00 0.00	0	0.1	0.1	2618
26	03	1990	*0100		11 59.57	146 19.66	2673.3	8.1	306	1.2	289	7.0	309	GF	0.00 0.00	0	0.1	0.1	2619
26	03	1990	*0105		11 59.97	146 19.10	2674.0	8.5	308	1.5	301	7.0	309	GF	0.00 0.00	0	0.1	0.1	2620
26	03	1990	0108		12 0.2	146 18.8	2674.4	8.4	308	1.5	301	7.0	309	c/cs					2621
26	03	1990	*0110		12 0.40	146 18.53	2674.7	7.6	306	0.8	274	7.0	309	GF	0.00 0.00	0	0.1	0.1	2622
26	03	1990	*0115		12 0.77	146 18.00	2675.4	8.2	307	1.3	295	7.0	309	GF	0.00 0.00	0	0.1	0.1	2623
26	03	1990	*0120		12 1.18	146 17.44	2676.0	7.9	306	1.0	288	7.0	309	GF	0.00 0.00	0	0.1	0.1	2624
26	03	1990	*0125		12 1.57	146 16.90	2676.7	8.3	308	1.3	300	7.0	309	GF	0.00 0.00	0	0.1	0.1	2625
26	03	1990	*0130		12 1.99	146 16.34	2677.4	7.9	307	1.0	294	7.0	309	GF	0.00 0.00	0	0.1	0.1	2626
26	03	1990	*0135		12 2.39	146 15.80	2678.0	8.2	308	1.2	302	7.0	309	GF	0.00 0.00	0	0.1	0.1	2627
26	03	1990	*0138		12 2.6	146 15.5	2678.5	8.2	308	1.2	302	7.0	309	c/cs					2628
26	03	1990	*0140		12 2.81	146 15.25	2678.7	7.4	307	0.4	274	7.0	309	GF	0.00 0.00	0	0.1	0.1	2629
26	03	1990	*0145		12 3.18	146 14.75	2679.3	7.9	307	1.0	289	7.0	309	GF	0.00 0.00	0	0.0	0.1	2630
26	03	1990	0148		12 3.4	146 14.4	2679.7	7.6	307	1.0	289	6.6	310	c/cs					2631
26	03	1990	*0150		12 3.57	146 14.22	2680.0	7.8	308	1.2	294	6.6	310	GF	0.00 0.00	0	0.1	0.1	2632
26	03	1990	0152		12 3.7	146 14.0	2680.3	8.1	307	1.2	294	6.9	309	c/cs					2633
26	03	1990	*0155		12 3.97	146 13.68	2680.7	7.8	308	0.8	301	6.9	309	GF	0.00 0.00	0	0.1	0.1	2634
26	03	1990	*0200		12 4.37	146 13.16	2681.3	7.6	309	0.6	313	6.9	309	GF	0.00 0.00	0	0.1	0.1	2635
26	03	1990	*0205		12 4.77	146 12.66	2681.9	7.7	307	0.8	294	6.9	309	GF	0.00 0.00	0	0.1	0.1	2636
26	03	1990	*0210		12 5.16	146 12.14	2682.6	8.1	307	1.2	293	6.9	309	GF	0.00 0.00	0	0.1	0.1	2637
26	03	1990	0213		12 5.4	146 11.8	2683.0	8.0	307	1.2	293	6.9	309	c/cs					2638
26	03	1990	*0215		12 5.56	146 11.59	2683.2	7.4	309	0.5	311	6.9	309	GF	0.00 0.00	0	0.1	0.1	2639
26	03	1990	*0220		12 5.95	146 11.10	2683.9	7.1	306	0.4	254	6.9	309	GF	0.00 0.00	0	0.0	0.1	2640
26	03	1990	*0225		12 6.30	146 10.61	2684.5	8.0	308	1.2	301	6.9	309	GF	0.00 0.00	0	0.1	0.1	2641
26	03	1990	*0230		12 6.71	146 10.07	2685.1	6.3	303	0.9	176	6.9	309	GF	0.00 0.00	0	0.1	0.1	2642
26	03	1990	*0234		12 6.94	146 9.71	2685.5	5.1	306	1.8	138	6.9	309	GF	0.00 0.00	0	0.0	0.0	2643
26	03	1990	*0235		12 6.99	146 9.64	2685.6	7.8	308	0.9	302	6.9	309	GF	0.00 0.00	0	0.1	0.1	2644
26	03	1990	*0240		12 7.39	146 9.12	2686.3	8.9	308	2.0	304	6.9	309	GF	0.00 0.00	0	0.1	0.1	2645
26	03	1990	0243		12 7.7	146 8.8	2686.7	8.8	308	2.0	304	6.8	309	c/cs					2646
26	03	1990	*0300		12 9.20	146 6.74	2689.2	6.7	305	0.5	204	6.8	309	GF	0.00 0.00	0	0.7	0.3	2647
26	03	1990	*0305		12 9.52	146 6.27	2689.8	8.6	306	1.9	295	6.8	309	GF	0.00 0.00	0	0.0	0.1	2648
26	03	1990	0309		12 9.9	146 5.8	2690.4	8.7	304	1.9	295	6.8	307	c/cs					2649
26	03	1990	*0315		12 10.35	146 5.06	2691.2	7.6	304	0.9	275	6.8	307	GF	0.00 0.00	0	0.3	0.2	2650

#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. (smajxsmi@az)	error	drift dist	drift time	no.
26	03	1990	*0320	12 10.70	146 4.52	2691.9	7.8	304	1.0	282	6.8	307	GF	0.00	0.00	0	0.1	0.1	2651
26	03	1990	*0325	12 11.06	146 3.97	2692.5	8.2	304	1.4	289	6.8	307	GF	0.00	0.00	0	0.1	0.1	2652
26	03	1990	0326	12 11.1	146 3.9	2692.6	7.7	304	1.4	289	6.4	307	c/cs						2653
26	03	1990	0329	12 11.4	146 3.5	2693.0	8.2	305	1.4	289	6.8	308	c/cs						2654
26	03	1990	*0330	12 11.43	146 3.41	2693.2	7.9	304	1.2	281	6.8	308	GF	0.00	0.00	0	0.1	0.1	2655
26	03	1990	*0335	12 11.80	146 2.85	2693.8	7.7	304	1.0	277	6.8	308	GF	0.00	0.00	0	0.1	0.1	2656
26	03	1990	*0340	12 12.16	146 2.31	2694.5	7.7	304	1.0	277	6.8	308	GF	0.00	0.00	0	0.1	0.1	2657
26	03	1990	*0345	12 12.52	146 1.77	2695.1	8.2	305	1.4	290	6.8	308	GF	0.00	0.00	0	0.1	0.1	2658
26	03	1990	*0350	12 12.91	146 1.20	2695.8	7.8	306	1.0	291	6.8	308	GF	0.00	0.00	0	0.1	0.1	2659
26	03	1990	*0355	12 13.29	146 0.66	2696.4	8.0	305	1.2	286	6.8	308	GF	0.00	0.00	0	0.1	0.1	2660
26	03	1990	0358	12 13.5	146 0.3	2696.8	8.0	305	1.2	286	6.9	308	c/cs						2661
26	03	1990	*0400	12 13.67	146 0.10	2697.1	8.1	306	1.2	291	6.9	308	GF	0.00	0.00	0	0.1	0.1	2662
26	03	1990	*0405	12 14.06	145 59.54	2697.8	7.9	304	1.2	280	6.9	308	GF	0.00	0.00	0	0.1	0.1	2663
26	03	1990	*0410	12 14.43	145 58.98	2698.4	8.0	305	1.2	286	6.9	308	GF	0.00	0.00	0	0.1	0.1	2664
26	03	1990	*0415	12 14.81	145 58.42	2699.1	7.7	304	0.9	275	6.9	308	GF	0.00	0.00	0	0.1	0.1	2665
26	03	1990	*0420	12 15.17	145 57.88	2699.7	8.8	304	2.0	290	6.9	308	GF	0.00	0.00	0	0.1	0.1	2666
26	03	1990	*0424	12 15.50	145 57.38	2700.3	8.0	305	1.2	286	6.9	308	GF	0.00	0.00	0	0.1	0.1	2667
26	03	1990	0428	12 15.8	145 56.9	2700.9	8.0	305	1.2	286	6.9	308	c/cs						2668
26	03	1990	*0429	12 15.88	145 56.82	2701.0	5.9	307	1.0	132	6.9	308	GF	0.00	0.00	0	0.1	0.1	2669
26	03	1990	*0430	12 15.94	145 56.74	2701.1	8.1	304	1.3	284	6.9	308	GF	0.00	0.00	0	0.0	0.0	2670
26	03	1990	*0435	12 16.32	145 56.17	2701.8	8.0	305	1.2	286	6.9	308	GF	0.00	0.00	0	0.1	0.1	2671
26	03	1990	*0440	12 16.70	145 55.61	2702.4	8.0	305	1.2	286	6.9	308	GF	0.00	0.00	0	0.1	0.1	2672
26	03	1990	*0445	12 17.08	145 55.05	2703.1	8.0	305	1.2	286	6.9	308	GF	0.00	0.00	0	0.1	0.1	2673
26	03	1990	*0450	12 17.46	145 54.49	2703.8	8.4	310	1.5	317	6.9	308	GF	0.00	0.00	0	0.1	0.1	2674
26	03	1990	0458	12 18.2	145 53.6	2704.9	8.4	310	1.5	317	6.9	308	c/cs						2675
26	03	1990	*0510	12 19.25	145 52.28	2706.6	8.4	308	1.5	308	6.9	308	GF	0.00	0.00	0	0.5	0.3	2676
26	03	1990	0511	12 19.3	145 52.2	2706.7	7.7	308	1.5	308	6.2	308	c/cs						2677
26	03	1990	0514	12 19.6	145 51.9	2707.1	8.4	307	1.5	308	6.9	307	c/cs						2678
26	03	1990	*0515	12 19.66	145 51.74	2707.2	7.9	303	1.1	279	6.9	307	GF	0.00	0.00	0	0.1	0.1	2679
26	03	1990	*0520	12 20.02	145 51.18	2707.9	8.0	303	1.2	279	6.9	307	GF	0.00	0.00	0	0.1	0.1	2680
26	03	1990	*0525	12 20.38	145 50.61	2708.6	8.0	306	1.1	299	6.9	307	GF	0.00	0.00	0	0.1	0.1	2681
26	03	1990	*0530	12 20.77	145 50.06	2709.2	7.9	307	1.1	308	6.9	307	GF	0.00	0.00	0	0.1	0.1	2682
26	03	1990	*0535	12 21.17	145 49.52	2709.9	8.6	304	1.8	294	6.9	307	GF	0.00	0.00	0	0.1	0.1	2683
26	03	1990	0536	12 21.3	145 49.4	2710.0	5.2	303	1.8	294	3.4	307	c/cs						2684
26	03	1990	0537	12 21.3	145 49.3	2710.1	8.6	304	1.8	294	6.9	307	c/cs						2685
26	03	1990	*0540	12 21.54	145 48.96	2710.5	8.3	304	1.5	291	6.9	307	GF	0.00	0.00	0	0.1	0.1	2686
26	03	1990	*0545	12 21.93	145 48.37	2711.2	8.2	306	1.4	299	6.9	307	GF	0.00	0.00	0	0.1	0.1	2687
26	03	1990	*0550	12 22.33	145 47.80	2711.9	8.3	305	1.5	297	6.9	307	GF	0.00	0.00	0	0.1	0.1	2688
26	03	1990	*0555	12 22.73	145 47.22	2712.6	8.2	305	1.3	295	6.9	307	GF	0.00	0.00	0	0.1	0.1	2689
26	03	1990	*0600	12 23.12	145 46.65	2713.3	6.9	288	2.2	209	6.9	307	GF	0.00	0.00	0	0.1	0.1	2690
26	03	1990	*0605	12 23.30	145 46.09	2713.9	8.9	303	2.1	288	6.9	307	GF	0.00	0.00	0	0.2	0.1	2691
26	03	1990	0607	12 23.5	145 45.8	2714.2	8.8	303	2.1	288	6.8	308	c/cs						2692
26	03	1990	*0610	12 23.70	145 45.46	2714.6	8.4	307	1.6	304	6.8	308	GF	0.00	0.00	0	0.2	0.1	2693
26	03	1990	*0614	12 24.04	145 45.00	2715.2	6.0	300	1.2	174	6.8	308	GF	0.00	0.00	0	0.1	0.1	2694
26	03	1990	*0615	12 24.09	145 44.91	2715.3	7.9	306	1.1	297	6.8	308	GF	0.00	0.00	0	0.0	0.0	2695
26	03	1990	*0620	12 24.48	145 44.37	2715.9	8.2	304	1.5	288	6.8	308	GF	0.00	0.00	0	0.1	0.1	2696
26	03	1990	0623	12 24.7	145 44.0	2716.3	8.0	312	1.5	288	6.7	317	c/cs						2697
26	03	1990	*0625	12 24.89	145 43.82	2716.6	7.9	314	1.2	295	6.7	317	GF	0.00	0.00	0	0.1	0.1	2698
26	03	1990	0625	12 24.9	145 43.8	2716.6	7.7	320	1.2	295	6.6	325	c/cs						2699
26	03	1990	0628	12 25.2	145 43.6	2717.0	7.3	303	1.2	295	6.1	305	c/cs						2700
26	03	1990	*0630	12 25.32	145 43.36	2717.2	7.4	303	1.3	291	6.1	305	GF	0.00	0.00	0	0.1	0.1	2701
26	03	1990	0631	12 25.4	145 43.3	2717.4	8.1	304	1.3	291	6.8	307	c/cs						2702
26	03	1990	*0635	12 25.69	145 42.80	2717.9	8.1	304	1.3	291	6.8	307	GF	0.00	0.00	0	0.1	0.1	2703

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#	#da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	drift cse	drift speed	drift hed	dr speed	dr cse	cmnt	prob. error (smajxsmn@az)	drift dist	drift time	no.	
26	03	1990	*0640	12	26.07	145 42.23	2718.6	8.2	307	1.4	306	6.8	307	GF	0.00 0.00	0	0.1	0.1	2704
26	03	1990	*0645	12	26.48	145 41.67	2719.3	8.3	304	1.6	291	6.8	307	GF	0.00 0.00	0	0.1	0.1	2705
26	03	1990	*0650	12	26.87	145 41.08	2720.0	8.4	305	1.7	296	6.8	307	GF	0.00 0.00	0	0.1	0.1	2706
26	03	1990	0653	12	27.1	145 40.7	2720.4	8.4	305	1.7	296	6.8	307	c/cs					2707
26	03	1990	*0655	12	27.27	145 40.49	2720.7	8.1	306	1.3	302	6.8	307	GF	0.00 0.00	0	0.1	0.1	2708
26	03	1990	*0700	12	27.67	145 39.93	2721.3	8.3	304	1.5	290	6.8	307	GF	0.00 0.00	0	0.1	0.1	2709
26	03	1990	0702	12	27.8	145 39.7	2721.6	8.0	305	1.5	290	6.5	308	c/cs					2710
26	03	1990	*0705	12	28.05	145 39.36	2722.0	7.8	307	1.3	301	6.5	308	GF	0.00 0.00	0	0.1	0.1	2711
26	03	1990	0706	12	28.1	145 39.3	2722.1	8.2	306	1.3	301	6.9	307	c/cs					2712
26	03	1990	*0710	12	28.45	145 38.80	2722.7	8.1	306	1.2	301	6.9	307	GF	0.00 0.00	0	0.1	0.1	2713
26	03	1990	*0715	12	28.85	145 38.24	2723.4	8.1	305	1.2	294	6.9	307	GF	0.00 0.00	0	0.1	0.1	2714
26	03	1990	*0720	12	29.24	145 37.67	2724.0	8.3	306	1.4	303	6.9	307	GF	0.00 0.00	0	0.1	0.1	2715
26	03	1990	*0725	12	29.65	145 37.10	2724.7	8.1	305	1.1	296	6.9	307	GF	0.00 0.00	0	0.1	0.1	2716
26	03	1990	*0730	12	30.04	145 36.54	2725.4	7.9	304	1.1	285	6.9	307	GF	0.00 0.00	0	0.1	0.1	2717
26	03	1990	*0735	12	30.41	145 35.98	2726.1	8.2	307	1.3	309	6.9	307	GF	0.00 0.00	0	0.1	0.1	2718
26	03	1990	0736	12	30.5	145 35.9	2726.2	8.1	307	1.3	309	6.8	307	c/cs					2719
26	03	1990	*0740	12	30.82	145 35.43	2726.7	8.0	305	1.2	292	6.8	307	GF	0.00 0.00	0	0.1	0.1	2720
26	03	1990	*0745	12	31.20	145 34.87	2727.4	7.8	306	1.0	298	6.8	307	GF	0.00 0.00	0	0.1	0.1	2721
26	03	1990	*0750	12	31.58	145 34.33	2728.1	8.1	305	1.3	297	6.8	307	GF	0.00 0.00	0	0.1	0.1	2722
26	03	1990	*0755	12	31.97	145 33.77	2728.7	8.0	308	1.2	313	6.8	307	GF	0.00 0.00	0	0.1	0.1	2723
26	03	1990	*0800	12	32.38	145 33.23	2729.4	7.7	303	1.1	273	6.8	307	GF	0.00 0.00	0	0.1	0.1	2724
26	03	1990	0802	12	32.5	145 33.0	2729.7	7.8	303	1.1	273	6.9	307	c/cs					2725
26	03	1990	*0805	12	32.73	145 32.67	2730.0	8.0	308	1.1	314	6.9	307	GF	0.00 0.00	0	0.1	0.1	2726
26	03	1990	*0810	12	33.14	145 32.13	2730.7	8.0	305	1.1	291	6.9	307	GF	0.00 0.00	0	0.1	0.1	2727
26	03	1990	*0815	12	33.52	145 31.57	2731.4	7.7	304	0.8	281	6.9	307	GF	0.00 0.00	0	0.1	0.1	2728
26	03	1990	*0820	12	33.88	145 31.03	2732.0	7.9	306	0.9	297	6.9	307	GF	0.00 0.00	0	0.1	0.1	2729
26	03	1990	0820	12	33.9	145 31.0	2732.0	7.2	306	0.9	297	6.3	307	c/cs					2730
26	03	1990	*0825	12	34.23	145 30.53	2732.6	6.2	289	1.9	207	6.3	307	GF	0.00 0.00	0	0.1	0.1	2731
26	03	1990	*0830	12	34.40	145 30.03	2733.1	12.4	328	6.9	347	6.3	307	GF	0.00 0.00	0	0.2	0.1	2732
26	03	1990	0831	12	34.6	145 29.9	2733.3	12.3	329	6.9	347	6.1	308	c/cs					2733
26	03	1990	0837	12	35.6	145 29.3	2734.6	12.2	328	6.9	347	6.1	307	c/cs					2734
26	03	1990	*0840	12	36.15	145 28.94	2735.2	5.4	271	3.6	189	6.1	307	GF	0.00 0.00	0	1.2	0.2	2735
26	03	1990	0846	12	36.2	145 28.4	2735.7	5.4	274	3.6	189	6.2	309	c/cs					2736
26	03	1990	*0850	12	36.19	145 28.02	2736.1	6.6	299	1.1	232	6.2	309	GF	0.00 0.00	0	0.6	0.2	2737
26	03	1990	0855	12	36.5	145 27.5	2736.6	6.6	297	1.1	232	6.2	307	c/cs					2738
26	03	1990	*0900	12	36.71	145 27.03	2737.2	7.0	305	0.9	294	6.2	307	GF	0.00 0.00	0	0.2	0.2	2739
26	03	1990	*0910	12	37.39	145 26.05	2738.3	6.8	304	0.7	278	6.2	307	GF	0.00 0.00	0	0.1	0.2	2740
26	03	1990	0915	12	37.7	145 25.6	2738.9	6.8	302	0.7	278	6.1	305	c/cs					2741
26	03	1990	*0920	12	38.01	145 25.08	2739.5	7.1	302	1.0	281	6.1	305	GF	0.00 0.00	0	0.1	0.2	2742
26	03	1990	*0930	12	38.63	145 24.05	2740.7	7.0	304	0.9	296	6.1	305	GF	0.00 0.00	0	0.2	0.2	2743
26	03	1990	0937	12	39.1	145 23.3	2741.5	7.1	305	0.9	296	6.2	306	c/cs					2744
26	03	1990	*0940	12	39.29	145 23.05	2741.8	7.5	305	1.3	298	6.2	306	GF	0.00 0.00	0	0.2	0.2	2745
26	03	1990	0948	12	39.9	145 22.2	2742.8	4.6	304	1.3	298	3.3	306	c/cs					2746
26	03	1990	0949	12	39.9	145 22.1	2742.9	7.4	305	1.3	298	6.1	306	c/cs					2747
26	03	1990	*0950	12	39.97	145 22.04	2743.0	7.1	305	1.0	298	6.1	306	GF	0.00 0.00	0	0.2	0.2	2748
26	03	1990	*1000	12	40.65	145 21.04	2744.2	6.9	298	1.2	252	6.1	306	GF	0.00 0.00	0	0.2	0.2	2749
26	03	1990	1005	12	40.9	145 20.5	2744.8	6.6	297	1.2	252	5.8	306	c/cs					2750
26	03	1990	1009	12	41.1	145 20.1	2745.2	6.9	299	1.2	252	6.2	307	c/cs					2751
26	03	1990	*1014	12	41.40	145 19.60	2745.8	7.5	306	1.3	303	6.2	307	SF	0.00 0.00	0	0.3	0.2	2752
26	03	1990	1039	12	43.2	145 17.0	2748.9	7.5	306	1.3	303	6.1	307	c/cs					2753
26	03	1990	1045	12	43.7	145 16.4	2749.7	7.2	306	1.3	303	5.9	307	c/cs					2754
26	03	1990	1051	12	44.1	145 15.8	2750.4	7.4	306	1.3	303	6.1	307	c/cs					2755
26	03	1990	1118	12	46.1	145 13.1	2753.7	7.4	306	1.3	303	6.1	307	c/cs					2756

#cruise ODP130JR

#	da	mo	yr	time	latitude deg min	longitude deg min	dist	actual speed	cse	drift speed	hed	dr speed	cse	cmnt	prob. error (smajxsmi@az)	drift dist	time	no.	
#																			2757
26	03	1990		1141	12 47.8	145 10.7	2756.6	7.5	306	1.3	303	6.2	307	c/cs					2758
26	03	1990		*1208	12 49.80	145 7.90	2760.0	8.0	303	1.9	290	6.2	307	SF	0.00 0.00 0	2.5	1.9	2759	
26	03	1990		1211	12 50.0	145 7.6	2760.4	8.1	303	1.9	290	6.2	307	c/cs					2760
26	03	1990		1241	12 52.2	145 4.1	2764.4	8.0	303	1.9	290	6.2	307	c/cs					2762
26	03	1990		*1300	12 53.60	145 1.90	2767.0	8.0	303	0.0	0	6.2	307	SF	0.00 0.00 0	1.6	0.9	2762	
#previous accum miles							0.000	present accum dist				2766.964		cruise ODP130JR record no					2762