

LOAN C

IPUD SITE SURVEY STATIONS of Florida - 114

FILE # 4

NAVIGATION LOG

CRUISE Fm 03-1

DATE 4/23/80

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
114	C001	2300	29 19.90 N	94 44.27 W				
114	C/C	2325	29 18.98 N	94 39.73 W		11.0	123	
114	C002	2330	29 18.48 N	94 38.82 W		11.0	123	
115	C003	0000	29 15.66 N	94 33.41 W		11.0	123	4/24/80
115	C004	0030	29 12.76 N	94 27.99 W				
115	C005	0100	29 09.95 N	94 22.53 W		11.0	123	
115	C/C	0105	29 09.51 N	94 21.59 W		11.0	120	
115	C006	0130	29 07.13 N	94 17.04 W		11.0	120	
115	C007	0200	29 04.43 N	94 11.56 W		10.8	121	
115	C008	0230	29 01.79 N	94 06.11 W		11.0	120	
115	C009	0300	28 59.03 N	94 00.59 W		11.0	120	
115	C/C	0305	28 58.60 N	93 59.73 W		10.7	123	
115	C010	0330	28 56.14 N	93 55.34 W		10.7	123	
115	C011	0400	28 53.30 N	93 50.09 W		10.6	123	
115	C012	0430	28 50.30 N	93 44.88 W		10.4	123	
115	C013	0500	28 47.37 N	93 39.68 W		10.6	123	
115	C/C	0505					125	C/C
115	C014	0530	28 44.39 N	93 34.66 W		10.8	125	
115	C015	0600	28 41.25 N	93 29.64 W		10.5	125	
115	C016	0630	28 38.06 N	93 23.73 W		10.7	125	
115	C017	0700	28 34.78 N	93 19.42 W		11.0	125	
115	C018	0730	28 31.71 N	93 14.39 W		11.0	125	
115	C019	0800	28 28.46 N	93 09.33 W		11.0	125	
115	C020	0830	28 25.35 N	93 04.23 W		10.5	125	
115	C021	0900	28 22.31 N	92 58.86 W		10.3	125	

S - SATELLITE C - LORAN C A - LORAN A O - OMEGA R - RADAR D - DEAD RECKON

(LORAN C)

NAVIGATION LOG

CRUISE FM03-01

DATE 4/24/80

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
115	L022	0930	28° 19.18 N	92° 53.63 W		11.2	125	
115	L023	1000	28° 16.08 N	92° 48.41 W		11.0	125	
115	L024	1030	28° 13.11 N	92° 43.25 W		10.9	125	
115	L025	1100	28 10.08 N	92 37.84 W		11.0	125	
115	L026	1130	28 07.14 N	92 32.58 W		10.9	125	
115	L027	1200	28 04.10 N	92 27.35 W		11.0	125	
115	C/C	1205	28 03.58 N	92 26.49 W		10.8	123	C/C
115	L028	1230	28 01.15 N	92 22.00 W		11.6	123	
115	L029	1300	27 58.17	92 16.45		11.4	123	
115	L030	1330	27 55.18	92 11.07		11.0	123	
115	L031	1400	27 52.11 N	92 05.66 W		11.5	123	
115	C/S	1420	27 50.00 N	92 02.15 W		3.5	123	C/S DS
115	L032	1430	27 49.33 N	92 01.09 W		4.3	123	
115	C/S	1454				10.5		C/S
115	L033	1500	27 47.75 N	91 58.49 W		10.8	123	
115	L034	1530	27 44.88 N	91 53.32 W		10.8	123	
115	L035	1600	27 42.00 N	91 47.87 W		11.2	123	
115	L036	1630	27 39.13 N	91 42.42 W		11.1	123	
115	L037	1700	27 36.21 N	91 37.14 W		10.9	123	
115	L038	1730	27 33.30 N	91 31.17 W		10.8	123	
115	L039	1800	27 30.39 N	91 26.92 W		10.7	123	
115	L040	1830	27 27.43 N	91 21.83 W		10.8	123	
115	L041	1900	27 24.35 N	91 16.80 W		10.9	123	
115	L042	1930	27 21.17 N	91 11.89 W		10.8	123	
115	L043	2000	27 18.05 N	91 06.97 W		11.0	123	

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NAVIGATION LOG

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
115	C044	2030	27° 14.95 N	-91° 02.04 W		10.7	123	
115	C045	2100	27 11.87 N	-90 57.09 W		10.6	123	
115	C046	2130	27 08.88 N	-90 52.11 W		10.7	123	
115	C047	2200	27 05.96	-90 46.98		10.9	123	
115	C048	2230	27 03.09	-90 41.74		10.9	121	
115	C049	2300	27 00.31	-90 36.40		11.0	121	
115	C050	2330	26 57.61	-90 31.08		10.7	120	
116	C051	0000	26 54.98 N	-90 25.76 W		10.7	123	25 APR 80 FILE 5
116	C052	0030	26 52.48 N	-90 20.35 W		11.1	123	
116	C053	0100	26 50.11 N	-90 14.74 W		11.0	123	
116	C054	0110	26 49.31 N	-90 12.88		10.9	123	
116		0113						LORAN C OFF for TEST
116		0147						LORAN C BACK ON
116	C055	0150	26 46.21 N	-90 05.65 W		10.6	123	
116	C056	0200	26 45.40 N	-90 03.88 W		10.8	123	
116	C057	0230	26 42.91 N	-89 58.61 W		10.9	123	
116	C058	0300	26 40.46 N	-89 53.20 W		10.7	123	
116	C059	0330	26 37.95 N	-89 47.96 W		10.4	123	
116	C060	0400	26 35.31 N	-89 42.84 W		10.5	123	
116		0411					124	c/c
116	C061	0430	26 52.34 N	-89 37.73 W		10.6	124	
116	C062	0500	26 29.68 N	-89 32.66 W		10.7	124	
116	C063	0530	26 26.84 N	-89 27.64 W		10.3	124	
116	C064	0600	26 24.14 N	-89 22.72 W		10.6	124	
116	C065	0630	26 21.30 N	-89 17.74 W		10.4	124	

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NAVIGATION LOG

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
116	C066	0700	26 18.58 N	89 12.79 W		10.5	124	
116	C067	0730	26 15.99 N	89 07.66 W		10.9	124	
116	C068	0800	26 13.35 N	89 02.75 W		10.1	125	
116	C069	0830	26 10.49 N	89 58.08 W		10.1	125	
116	C070	0900	26 07.62 N	88 53.32 W		10.2	125	
116	C071	0930	26 04.92 N	88 48.51 W		10.0	125	
116	C072	1000	26 02.22	88 43.8		10.0	125	
116	C/S	1011				8.0	125	C/S 1000 rpm/2
116	C073	1030	25 59.93	88 39.67		8.0	125	
116	C074	1100	25 57.91	88 35.85		8.0	124	
116	C075	1130	25 56.00	88 31.85		8.0	124	
116	C/S	1150				9.0	124	1100/2
116	C076	1200	25 53.96	88 27.81		9.0	124	
116	C/C	1203				9.0	128	
116	C077	1230	25 51.81 N	88 23.89 W		9.3	128	
116	C078	1300	25 49.45 N	88 19.44 W		9.4	128	
116	C/C	1305				9.3	130	
116	C079	1330	25 47.18 N	88 14.88 W		9.4	130	
116	C080	1400	25 44.91 N	88 10.20 W		9.6	130	
116	C/C	1400				9.6	135	C/C
116	C081	1430	25 42.48 N	88 05.75 W		9.3	135	
116	C082	1500	25 40.46 N	88 01.00 W		9.4	135	
116	C/C	1506					140	C/C
116	C083	1530	25 38.21 N	87 56.65 W		9.0	140	
116	C084	1600	25 35.73 N	87 52.44 W		9.0	140	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
116	c/c	1608					144	c/c
116	C085	1630	25 32.89N	87 48.70W		8.9	144	
116	C086	1700	25 29.92N	87 45.12W		8.7	144	
116	c/c	1709				8.7	150	c/c
116	C087	1730	25 26.68N	87 41.97W		8.6	150	
116	C088	1800	25 23.30N	87 39.06W		8.5	150	
116	c/c	1802				8.5	135°	c/c
116	C/3	1819				8.5	130°	c/c
116	C089	1830	25 20.59N	87 35.21W		8.8	130	
116	C090	1900	25 18.13N	87 31.31W		8.5	130°	
116	C091	1930	25 15.64N	87 27.38W		8.6	130°	
116	C092	2000	25 13.03N	87 23.48W		8.8	130°	
	C093	2030	25 10.66N	87 19.25W		8.9	125°	c/c
	C094	2100	25 08.27N	87 15.00W		9.0	125°	
	C095	2130	25 05.90N	87 10.74W		8.9	125°	
		2142				3.0	125°	c/s 2142
116	C096	2200	25 04.67	87 08.21		2.5	125	
116	C097	2230	25 04.27	87 06.95		2.5	125	
116	C098	2300	25 04.02	87 05.80		2.5	125	
116	C099	2330	25 03.81	87 04.75		2.5	125	
117	C100	0000	25 03.50	87 03.73		2.0	125	26 APR 80 File #6
117	C101	0030	25 03.13	87 02.59		2.0	125	
117	c/c	0053				2.6	140	
117	C102	0100	25 02.39	87 01.24		3.2	140	
117	C103	0130	25 01.15	86 59.87		3.6	140	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
117	C104	0200	24 59.82	86 58.29		4.0	140	
117	C/C	0210				3.3	142	C/C
117	C105	0230	24 58.45 N	86 56.90 W		3.5	142	
117	C106	0300	24 57.08 N	86 55.61 W		3.6	142	
117	C/C	0307				4.0	145	C/C
117	C107	0330	24 55.66 N	86 54.45 W		3.1	145	
117	C108	0400	24 54.25 N	86 53.29 W		4.8	145	
117		0400						→ C/S to 800 rpm/2
117	C109	0430	24 52.14 N	86 51.66 W		5.2	145	
117	C110	0500	24 49.98 N	86 50.03 W		5.0	145	
117	C111	0530	24 47.88 N	86 48.46 W		4.8	145	
117	C112	0600	24 45.83 N	86 46.86 W		5.5	145	
117	C113	0630	24 43.66 N	86 45.17 W		5.2	145	
117	C114	0700	24 41.49 N	86 43.53 W		4.9	145	(C/C @ 0700)
117	C115	0730	24 39.63 N	86 41.75 W		5.1	145	
117	C116	0800	24 37.76 N	86 40.07 W		5.1	143	
117	C/C	0806				5.1	140	C/C
117	C/S	0806				6.1		C/S
117	C/S	0820				7.5		C/S
117	C117	0830	24 35.44 N	86 37.79 W		7.5	140	
117	C118	0900	24 32.49 N	86 35.10 W		7.5	140	
117	C119	0930	24 29.51 N	86 32.56 W		7.5	140	
117	C120	1000	24 26.50 N	86 30.02 W		7.5	140	
117	C/C	1018				7.5	138	C/C
117	C/S	1028				8.5	138	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
117	C121	1030	24 23.53	86 27.36		8.5	138	
	C122	1100	24 20.36	86 24.27		8.5	138	
	C/S	1102				2.0	138	C/S 600/2
	C123	1130	24 19.43	86 23.28		2.0	138	
	C/S	1138				1.0	138°	DS/2
	C/C	1138				1.0	162°	
	C124	1200	24 18.98	86 23.68		1.0	162	
	C125	1230	24 18.27	86 24.11		1.0	163°	
	C126	1300	24 17.91	86 25.13		2.0	165	
	C127	1330	24 17.15	86 25.47		1.6	153°	
	C128	1400	24 16.45	86 25.72		1.3	153	*
117	C129	1430	24 15.78 N	86 25.92 W		1.4	153°	
117	C130	1500	24 15.09 N	86 26.05 W		1.2	158°	
117	C131	1530	24 14.92 N	86 26.52 W		1.0	154°	
117	C132	1600	24 14.85 N	86 27.08 W		1.1	155°	
117	C133	1630	24 14.75 N	86 27.69 W		1.0	155	
117	C134	1700	24 14.67 N	86 28.30 W		1.2	155	
117	C135	1730	24 14.57 N	86 28.91 W		1.1	155	
117	C136	1800	24 14.55 N	86 29.51 W		1.0	153°	
117	C137	1830	24 14.49 N	86 30.07 W		1.0	155°	
117	C/C, C/S	1848				1.5	145°	RESUME COURSE C/C
117	C138	1900	24 14.73 N	86 30.68 W		1.5	145	
117	C139	1930	24 14.84 N	86 31.06 W		1.5	145	
117	C140	2000	24 15.15 N	86 31.50 W		2.7	145°	
117	C141	2030	24 15.28 N	86 31.99 W		0.8	145°	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
117	C142	2100	24 15.20N	-86 32.49W		1.5	145	PUTTING OUT STREAMER
117	C143	2130	24 15.11N	-86 33.05W		1.5	145	
117	C144	2200	24 15.12	86 33.68W		1.5	145	
117	C145	2230	24 15.10	86 34.34		1.5	145	
117	C146	2300	24 15.23	86 35.18		1.5	132	
117	C147	2330	24 15.29	86 35.44		1.5	132	
			START	27 APR 80				
118	C148	0000	24 15.30	86 35.68		1.5	132	27 APR 80 FILE #7
118	C149	0030	24 15.51	86 36.29		1.0	132	
118	C150	0100	24 15.65	86 36.75		0.9	132	
118	C151	0130	24 15.72	86 37.29		1.0	132	
118	C/S	0130				LORAN C 3.2		C/S 800/2
118	C/S	0148						C/S 900/2
118	C/S	0155				4.2	133	C/S
118	C152	0200	24 14.17	86 36.41		4.8	133	
118	C153	0230	24 12.55	86 35.04		4.1	135	
118	C/S	0242				4.6		C/S 1000/2
118	C154	0300	24 10.78	86 33.62		4.6	133	
118	C/S	0307						C/S 800/2
118	C155	0330	24 09.50	86 32.68		2.6	135	
118	C/C	0348				2.7	090	C/C
118	C156	0400	24 10.26N	86 30.89W		4.8	090	
118	C157	0430	24 11.64N	86 28.69W		4.9	090	
118	C158	0444				4.9	125	C/C
118	C158	0500	24 12.17N	86 26.58W		3.5	125	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
118	9	0574				2.5	135-	c/c
118	C159	0530	24 11.26 N	86 25.01 W		3.4	135-	
118	C160	0600	24 10.05 N	86 23.73 W		3.4	135	
118	C161	0630	24 08.82 N	86 22.40 W		3.3	135	
118	C162	0700	24 07.55 N	86 21.19 W		3.2	135	
118	C163	0730	24 06.32 N	86 19.96 W		3.6	135	
118	C164	0800	24 05.17 N	86 18.50 W		3.5	135°	
118	C165	0830	24 04.02 N	86 17.02 W		3.6	135°	
118	C166	0900	24 02.86	86 15.65		3.5	134°	
118	C167	0930	24 01.62	86 14.29		3.5	134	
118	C168	1000	24 00.52	86 12.92		3.5	134	
118	C/C	1001				3.5	130°	c/c
118	C169	1030	23 59.62	86 11.32		3.5	130°	
118	C170	1100	23 58.66	86 09.75		3.5	130°	
118	C171	1130	Temporary loss of coordinates		Generators switched			
118	C172	1200	23 57.11	86 06.18		4.2	130°	
118	C173	1230	23 56.23	86 04.19		4.2	130°	
118	C/C	1255				3.5	135°	c/c
118	C174	1300	23 54.79	86 02.14		3.5	135°	
118	C175	1330	23 53.36	85 59.93		4.7	135°	
118	C176	1400	23 51.59	85 57.85		5.1	135°	
118	C/C	1430				5.6	165°	c/s
118	C177	1430	23 49.80	85 55.72		5.6	165°	
118	C178	1500	23 48.50	85 55.51		1.2	182°	
118	C179	1530	23 48.46	85 53.81		0.7	172°	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
118	C180	1600	23 48.82	85 56.34		1.2	205°	course changes continuously with zig-zag direction
118	C181	1630	23 49.40	85 56.99		2.8	263°	
118	C182	1700	23 50.25	85 57.93		1.7	302°	
118	C183	1730	23 51.12N	85 58.42W		3.5	302°	c/c STEERING VERY
118	C184	1800	23 50.50N	85 59.86W		3.4	205°	SLOW BECAUSE OF STREAMER- BRINGING IT IN.
118	C185	1830	23 49.60N	86 01.47W		2.2	208°	
118	C186	1900	23 50.74N	86 01.53W		1.7	205°	
118	C187	1930	23 50.58N	86 00.66W		1.4	250°	c/c
118	C188	2000	23 50.43N	85 59.92W		0	0	c/c
118	C189	2030	23 50.20N	85 59.11W		1.5	145°	c/c
118	C190	2100	23 49.92N	85 58.34W		1.4	145°	
118	C191	2130	23 49.93N	85 57.70W		1.7	145°	
118	C/C	2135				1.7	149	c/c
118	C192	2200	23 50.00	85 56.84		1.5	149	
118	C193	2230	23 49.91	85 55.99		1.6	149	
118	C194	2300	23 49.84	85 55.12		1.6	149	
118	C195	2330	23 49.74	85 54.27		1.6	149	
119	C196	0000	23 49.59	85 53.33		1.9	149	28 APR 80 FILE #8
119	C197	0030	23 49.24	85 52.33		1.9	149	
119	C198	0100	23 48.86	85 51.31		2.0	149	
119	C199	0130	23 48.42N	85 50.25		2.1	149	
119	C200	0200	23 47.95N	85 49.27		2.1	149	
119	C201	0230	23 47.44N	85 48.27		2.0	149	142 in gyrocompass
119	C202	0300	23 46.81N	85 47.26W		2.2	149	
119	C203	0330	23 46.16N	85 46.25W		2.2	149	

S - SATELLITE C - LORAN C A - LORAN A O - OMEGA R - RADAR D - DEAD RECKON

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
119	C 204	0400	23 45.49 N	85 45.21 W		2.3	149	} 142 in gyrocompass
119	C 205	0430	23 44.77 N	85 44.20 W		2.2	149	
119	C/S	0445				4.5	149	C/S 800/2
119	C 206	0500	23 43.31	85 42.68 W		6.3	149	
119	C 207	0530	23 41.61 N	85 41.76 W		3.0	160	START SLOW TURN TO RIGHT
119	C 208	0600	23 40.26 N	85 41.60 W		2.7	210	
119	C 209	0630	23 39.31 N	85 43.42 W		3.7	280	
119	C 210	0647 ⁰⁷⁰⁰	23 40.32 N	85 45.76 W		6.4	300	steady c/s 800/2
119	C 211	0730	23 42.07 N	85 48.62 W		6.3	306°	
119	C 210	0737				6.3	335°	C/C
119	C 212	0800	23 44.77 N	85 50.48 W		6.8	335°	
119	C 213	0830	23 47.92 N	85 51.72 W		6.7	335°	
119		0856					076°	C/C - SF-1
119	C 214	0900	23 51.46 N	85 52.69 W		6.5	070°	BEGIN SF-1
119	C/C	0912				6.3	060	C/C
119	C/C	0928				5.8	055	C/C
119	C 215	0930	23 52.94	85 50.21		5.8	055	
119	C 216	1000	23 54.65	85 47.60		5.9	055	
119		1008				5.9	050	C/C
119	C 217	1030	23 56.41	85 44.96		5.9	050	
119	C 218	1100	23 58.22	85 42.31		6.0	055	
119	C 219	1130	23 59.97	85 39.69		5.9	053	
119	C 220	1200	24 01.73	85 37.13		5.8	053	
119	C 221	1230	24 03.44	85 34.53		5.9	055	
119	C 222	1300	24 05.10	85 31.87		5.9	055	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
119	C 223	1330	24 06.83 N	85 29.36 W		5.6	055	
119	C 224	1400	24 08.47 N	85 26.82 W		5.7	055	
119	C/C	1407				5.7	045	C/C
119	C/C	1419				5.7	040	C/C
119	C 225	1430	24 10.22 N	85 24.41 W		5.4	040	
119	C 226	1500	24 12.20 N	85 22.33 W		5.6	040	
119	C/S	1510				6.0	040	C/S 900/2
119	C 227	1530	24 14.23 N	85 20.11 W		6.0	040	
119	C 228	1600	24 16.30 N	85 17.77 W		5.8	040	
119	C 229	1630	24 18.28 N	85 15.32 W		6.0	040	
119	C 230	1700	24 20.26 N	85 12.82 W		5.9	040	- making 052°
		1730				6.0	060	C/C
119	C 231	1730	24 22.16	85 10.27		6.0		
119	C 232	1735	24 22.39	85 09.80		6.1	060	steady
119	C 233	1800	24 23.08	85 07.06		5.9	060	
119	C 234	1830	24 23.91	85 03.92		6.0	060	
		1836				6.0	053	C/C
119	C 235	1900	24° 25.05 N	85° 00.91 W		6.0	053	
119	C 236	1930	24° 26.45	84 57.42		6.0	053	making 067°
119	C 237	2000	24° 27.41 N	84° 54.84		6.0	053	
119	C 238	2030	24° 28.53 N	84° 51.76		6.0	053	
119	C 239	2100	24 29.68	84 48.74		5.9	053	
119	C 240	2130	24 30.76	84 45.69		5.8	055	
119	C 241	2200	24 31.85	84 42.65		5.7	053	
119	C 242	2230	24 32.84	84 39.71		5.6	053	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
119	d/s	2242				6.0	054°	d/s 825/2 to 925/2
119	C243	2300	24 33.69	84 36.61		5.9	054°	MAKING 73°
		2313				5.9	045°	c/c - getting set
119	C244	2330	24 34.75	84 33.53		6.0	045°	
		30	29 APR 80					
120	C245	0000	24 35.98	84 30.40		6.2	045	MAKING 67° 29 APR 80
120	C246	0030	24 37.23	84 27.34		6.1	046	
120	C247	0100	24 38.43	84 24.24		6.1	046	END SF-1 - SHUT DOWN SY.
120	C/S/S	0100					183	c/s Dead slow/2
120	248	0115	24 37.98	-84 23.29			183	c/c 183° (start turn 5°/min)
120	C249	0130	24 37.25	84 22.31		4.9	105°	
120	C250	0200	24 34.79	84 20.72		6.3	150°	
120	C/S	0213						CONTINUE - 200° c/s
		0720				6.0	200	steady 200°
	C/C	0222				6.0	210°	C/C
120	C251	0230	24 31.74	-84 20.56		5.8	210	
120	C/C	0235					220	C/C
120	C/S	0244						C/S 550/2
120	C252	0300	24 28.82	-84 21.44		5.6	220	BEGIN SF-2 - 0305Z
120	C253	0330	24 25.95	-84 22.45		6.1	220	
120	C/S	0338						C/S 540/2
120	254	0400	24 23.11	-84 23.46		6.0	220	
120	C254	0430	24 20.26	-84 24.56		5.9	220	
120	C/C	0434					230	C/C
120	C/C	0445					245	C/C

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
120	C255	0500	24° 17.76N	84° 26.18W		6.3	245	
120	C256	0530	24° 15.33N	84° 28.25W		6.3	245	
120	C257	0600	24° 13.06N	84° 30.40W		6.3	245	
120	C258	0630	24° 10.76N	84° 32.61W		6.2	245	
120	C/C	0640				6.2	250	C/C 250°
120	C259	0700	24° 08.74N	84° 34.83W		6.2	250	
120	C260	0730	24 06.79N	84° 37.81W		6.2	250	
120	C261	0800	24° 04.90N	84° 39.67W		6.1	250	
120	C/C	0820					245	C/C 245°
120	C262	0830	24° 03.00N	84° 42.22W		6.1	245	MAKING 227 - 18
120	C263	0900	24 01.03	84 44.63		5.8	245	
120	C264	0930	23 59.11	84 47.05		6.0	245	
120	265	1000	23 57.22	84 49.59		5.8	245	
120	C/C	1007				6.0		C/C 263°
120	266	1030	23 55.95	84 52.43		6.0	263	MAKING 249°
120	267	1100	23 54.85	84 55.44		6.1	260	MAKING 244°
120	C/C	1105				6.1	265	C/C 265
120	268	1130	23 53.75	84 58.40		5.5	265	MAKING 247 DING 012
	C/C	1140					270	C/C
	C/C	1152				5.9	267	C/C
120	C269	1200	23 52.82	-85 01.44		6.0	267	
120	C270	1230	23 51.94	85 04.59		5.9	267	
	C/C	1242				6.0	265	C/C
120	C271	1300	23 51.17	85 07.18		5.8	265	
	C272	1330	23 50.53	-85 10.86		5.9	265	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
120	C273	1400	23 49.96	-85 14.07		6.0	200	C/C BEGIN TURN
120	C274	1405	23 49.75	-85 14.58				
120	C275	1410	23 49.36	-85 14.95				
		1412					200	steady on 200°
120	C276	1430	23 47.38	-85 15.67		6.2	200	
120		1450					205	C/C
120	C277	1500	23 44.34	-85 16.67		6.4	205	
120		1502				6.4	205	C/S 750/2
120		1510				6.4	210	C/C
120	C278	1530	23 41.47	-85 17.91		5.9	210	
120		1551				4.6		C/S - end slow/2-
120	C279	1600	23 38.94	-85 19.22		4.5	210	DFS DOWN - STOP SHOOTING
120		1614				6.0	210	C/S - shooting (continue)
120	C280	1615	23 37.97	-85 19.72				
120	C281	1630	23 36.65	-85 20.46		5.9	210	
120	C282	1700	23 34.05	-85 22.04		5.9	210	
120	C283	1715	23 32.78	-85 22.86				begin slow turn
170		1715				4.5	210	C/C C/S end/2
170	C284	1720	23 32.40	-85 23.03		5.0	185	
170	C285	1725	23 32.09	-85 22.96		5.5	160	
170	C286	1730	23 31.82	-85 22.78		6.0	140	C/S begin SF-3
170	C287	1735	23 31.46N	-85 22.50W		6.0	140	
		1755					135	C/C
170	C288	1800	23 29.56N	-85 21.04W		6.0	135	
170	C289	1830	23 27.18N	-85 18.98W		6.0	135	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
120	C290	1900	23 24.84 N	-85 16.61		6.0	135°	END SF-3 slow 5°/min
		1918				6.0	058	C/C 058- Begin turn
	C291	1920	23 23.31	-85 15.31		6.0	135	Begin SF-4
	C292	1925	23 22.98 N	85 14.88 W		6.0	055	
	C293	1930	23 22.77 N	85 14.39 W		6.0	055	
120	C294	1935	23 22.70 N	85 13.88 W		6.0	055	
120	C295	1940	23 22.84 N	85 13.38 W		6.0	058	
120	C296	1945	23 23.00 N	85 12.90 W		6.0	058	
120	C/C	1952				6.0	055	C/C 055
120	C297	2000	23° 23.71 N	85° 11.52 W		6.0	055	
		2027				6.1	050	C/C
120	C298	2030	23° 25.20 N	85° 08.59 W		6.1	050	
120	C299	2100	23 26.80	85 05.90		6.1	050	making 054
120	C300	2130	23 28.48	85 03.35		5.6	050	
120	C301	2200	23 30.13	85 00.69 W		6.0	050	
120	C302	2230	23 31.67	-85 57.79		6.1	050	making
120	C/C	2250				6.1	045	C/C
120	C303	2300	23 33.17	-84 54.85		6.0	045	
120	C303	2330	23 34.69	84 51.89		6.3	045	making 063
121	C304	0000	23 36.33	84 49.27		5.6	045	30 Apr 80
121	C305	0030	23 38.06	84 46.70		6.0	045	
121	C/S	0043				3.0	045	C/S Dead slow/2 - spin H ₂ O
121		0057				6.0	045	C/S - 850/2
121	C306	0100	23 39.24	84 44.53		5.2	045	
121	C307	0130	23 40.84	84 41.73		5.7	045	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
121	C 308	0200	23 42.43	84 38.98		6.0	045	
121	C 309	0230	23 44.05	84 36.17		6.0	045	
121	C 310	0300	23 45.63	84 33.28		6.1	045	
121	C 311	0330	23 47.19	84 30.34		6.1	045	
121	C 312	0400	23 48.58	-84 27.45		5.8	045	
121		0405				5.8	035	c/c 035
121	C 313	0430	23 50.36	84 24.93		5.8	035	
121	C 314	0500	23° 52.18 N	84° 22.38 W		5.8	035	
121	C 315	0530	23° 54.07 N	84° 19.79 W		6.2	035	
121	C 316	0600	23° 55.80 N	84° 17.13 W		5.8	035	
121	C 317	0630	23° 57.35 N	84° 14.45 W		5.7	035	
	C/C	0640				5.7	030	c/c 030
121	C 318	0700	23° 59.02 N	84° 11.90 W		5.8	030	
121	C 319	0730	24° 00.74 N	84° 09.45 W		5.9	030	
121	C 320	0800	24° 02.68 N	84° 06.95 W		5.9	030	
121	C/C	0819				5.9	035	c/c 035
121	C/C	0830					040	c/c 040
(121)	C 321	0830	24° 04.83 N	84° 04.49 W		6.4	040	
121	C/C	0850				6.4	045	c/c 0450
121	C 322	0900	24 06.78	84 01.72		6.3	045	
121	C 323	0930	24 08.80	83 59.15		6.4	045	
121	C 324	1000	24 10.87	83 56.61		6.2	045	
121	C/C	1010	24 11.56	83 55.76		6.2	050	END SF-4 c/c 191° Begin SF-5
121	C 325	1030	24 11.25	83 53.67		6.7	145	
121	C 326	1040	24 10.14	83 53.43		6.5	191	steady over 191°

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
121	C332	1100	24° 07.74	83° 53.94		6.8	191°	
121	C333	1130	24° 04.63	83° 54.57		6.1	191°	
121	C334	1200	24 01.52	83 55.04		6.1	191	
121	O/C	1205	23 58.41	83 55.61		6.0	194°	C/C
121	C335	1230	23 58.41	83 55.61		6.5	194	
121	C336	1300	23 55.35	83 56.21		6.2	194	
121	C337	1330	23 52.37	83 56.84		6.0	194	
121	C338	1400	23 49.50	83 57.45		5.7	194	
121	C339	1430	23 46.62	83 58.03		6.0	194	
121	C340	1500	23 43.56	83 58.39		6.2	194	
121	C/C	1504				6.2	199	C/C
121	C341	1530	23 40.43	83 58.82		6.6	207	C/C
121	C/C	1544				6.3	215	C/C
121	C342	1600	23 37.42	83 59.02		6.0	215	
121	C/C	1609				5.8	225	C/C 225°
121	C343	1630	23 34.60	83 59.34		5.5	225	
121		1652				4.0	225	C/S Desc slow, GUNS OFF - DES A
121	C344	1700	23 31.91	83 59.83		4.4	225	
121	C345	1730	23° 29.75 N	83° 59.99 W		4.1	225	
121	C346	1800	23° 27.82	- 84 00.27		3.9	225	
121	C/C	1809				3.9	230	C/C
121	C347	1830	23° 26.03 N	84° 00.65 W		3.5	230	
121	C/S	1834				6.0	230	C/S - DFS ON - shooting coming up to speed slowly
121	C348	1900	23 23.73	- 84 01.93		6.1	230	
121	C/C	1904				5.9	220	C/C

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
121	C/C	1920				6.2	215	c/c
121	C 349	1930	23° 20.83N	84° 03.25W		6.3	215	
121	C/C	1945				6.3	210	c/c 210°
121	C 350	2000	23° 17.80 N	84° 04.28W		6.3	210	
121	C/C	2005				6.3	205	c/c 205°
121	C 351	2030	23° 14.82N	84° 04.91W		5.7	205	
121	C 352	2100	23 11.94	84 05.46		5.9	205	
121	C 353	2130	23 09.08	84 06.18		6.0	205	
121	C 354	2200	23 06.23	84 06.82		6.0	205	
121	C 355	2230	23 03.39	84 07.64		6.0	205	
121	C 356	2300	23 00.51	84 08.60		6.1	205	
121	C 357	2330	22 57.60	84 09.72		6.1	205	
121	C 358	2339	22 56.78	84 09.97		2.5	205	DS/2, c/s
121	C 359	2356	22 55.39	84 10.35		6.0	205	c/s
122	C 360	0000	22 54.86	84 10.47		6.0	205	1 MAY 80 FILE 11
122	C 361	0030	22 51.94	84 11.41		6.0	205	
122	C 362	0100	22 49.05	84 12.59		6.1	205	c/c 325° - END SF-5
122	C 363	0105	22 48.60	84 12.89		6.1	214	BEGIN SF-6
122	C 364	10	22 48.32	84 13.32		6.0	230	
122	C 365	15	22 48.18 ✓	84 13.85 ✓		5.9	251	
122	C 366	20	22 48.19	84 14.36		5.8	270	
122	C 367	25	22 48.35	84 14.85		5.6	290	
122	C 368	30	22 48.66	84 15.21		5.4	325	c/c 325 (steady on)
122	C/C/S	0147						800/2 c/s
122	C 369	0200	22 50.98	84 17.04		6.0	325	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
122	C/C	0207				6.0	330	C/C 330°
122	C370	0230	22 53.47	-84 18.63		5.8	330	
122	C371	0300	22 56.13	-84 20.13		6.0	330	
122	C372	0330	22 58.74	-84 21.82		6.1	330	
122	C373	0400	23 01.35	-84 23.57		6.5	330	
122	C374	0430	23 03.96	-84 25.15		6.0	330	
122	C375	0500	23 06.56	-84 26.83		6.1	330	
122	C376	0530	23° 09.07 N	84° 28.54 W		5.9	330	
122	C377	0600	23° 11.64 N	84° 30.18 W		6.3	330	
122	C378	0630	23° 14.80 N	84° 32.10 W		5.8	330	
122	C379	0700	23° 17.00 N	84° 33.49 W		6.0	330	
122	C380	0730	23° 19.56 N	84° 35.09 W		5.7	330	
122	C381	0800	23° 22.07 N	84° 36.88 W		5.8	330	
122	C382	0830	23° 24.59 N	84° 38.57 W		6.0	330	
122	C383	0900	23 27.13 N	84 40.23 W		6.0	330	
122	C384	0930	23 29.74	84 41.95		6.0	330	
122	C385	1000	23 32.26	84 43.62		6.0	330	
122	C386	1030	23 34.74	84 45.26		5.7	330	
122	C387	1100	23 37.24	84 47.06		5.7	330	
122	C388	1130	23 39.76	84 48.91		5.7	330	
122	C389	1200	23 42.23	84 50.79		6.1	330	
122	C390	1230	23 44.76	84 52.64		6.1	330	
122	C391	1300	23 47.27	84 54.52		6.1	330	
122	C392	1330	23 49.78	84 56.43		6.0	335	C/C
122	C393	1400	23 52.45	84 57.96		5.8	335	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
122	C394	1430	23° 55.18'	084° 59.55'		6.2	335°	
122	C395	1500	23 57.45	85 01.16		6.2	335	
122		1504				4.4	335	END SF-6 c/c SLOTD 047 c/s DEAD SLD
122	C396	1505	23 58.42	-85 01.41		4.4	340	
122	C397	1510	23 58.66	85 01.47		4.4	005	
122	C398	1515	23 58.89	85 01.42		4.4	030	BEGIN SF-7
122	C399	1520	23 59.09	85 01.27		2.8	047	STEADY
122	C400	1530	23 59.37	85 00.87		2.8	047	
122	C/S	1539				6.0		C/S 6.0 KTS - BEGIN DFS
122	C401	1540	23 59.68	-85 00.50				
122	C402	1600	24 00.86	84 58.95		6.0	047	
122	C/C	1608				6.0	044	C/C
122	C403	1630	24 02.80	84 56.44		5.9	044	
122	C/C	1643				5.9	040	C/C
122	C404	1700	24 04.72	84 53.97		6.0	040	
122	C405	1730	24° 06.76N	84 51.55W		6.0	040	
122	C406	1800	24° 08.77N	84° 49.11W		5.9	040	
122	C407	1830	24° 10.84N	84° 46.75W		6.1	040	
122	C408	1900	24° 12.96N	84° 44.24W		6.0	040	
122	C409	1930	24° 14.99N	84° 41.63		5.7	040	
122	C410	2000	24° 16.91N	84° 39.20		5.9	040	
122	C411	2030	24° 18.85N	84° 36.76W		5.9	040	
122	C412	2100	24 20.66	84 34.33		5.6	040	
122	C413	2130	24 22.57	84 31.72		6.0	040	C/C 148° END SF-7
122	C414	2135	24 22.79	84 31.22		6.0	075	BEGIN SF-8

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE ↙	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
122	C415	2140	24 22.74	84 30.61		6.7	97	
122	C416	2145	24 22.51	84 30.07		6.5	115	
122	C417	2150	24 22.15	84 29.62		6.4	133	
122	C418	2155	24 21.71	84 29.32		6.1	148	STERN ON
122	C419	2200	24 21.22	84 29.09		5.9	148	
122	C420	2230	24 18.44	84 27.76		5.9	148	
122	C/C	2235				6.0	143	C/C
122	C421	2300	24 15.70	84 26.30		6.0	143	
	C/C	2312				6.2	136	C/C
122	C422	2330	24 12.98	84 24.68		6.1	136	MAKING 150
123	C423	0000	24 10.31	84 23.0		6.1	136	2 MAY 80 FILE 12
123	C/C	0005				6.1	130	C/C
123	C424	0030	24 07.74	84 21.15		6.2	130	
123	C/C	0050				6.2	125	C/C
123	C425	0100	24 05.22	84 19.22		6.1	125	
123	C426	0130	24 02.62	84 17.32		6.3	125	
123	C427	0200	23 59.93	84 15.56		6.1	125	
123	C/C	0202				6.0	120	C/C
123	C/C	0224					115	C/C
123	C428	0230	23 57.34	84 13.78		6.0	115	
123	C/C	0250				6.1	110	C/C
123	C429	0300	23 54.80	84 11.90		6.1	110	
123	C/C	0302				6.0	105	C/C
123	C430	0330	23 52.54	84 09.75		6.0	105	
123	C431	0400	23 50.14	84 07.57		6.0	105	

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE ↙	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
123	C/C	0410				6.1	100	C/C 100°
123	C/C	0425				6.0	095	C/C 095°
123	C432	0430	23 47.63	-84 05.64		6.0	095	
123	C/C	0439				6.1	090	C/C 090°
123	C/C	0449					095	C/C 095°
123	C/C	0458					100	C/C 100°
123	C433	0500	23 45.56	-84 03.25		6.3	100	
123	C/C	0505				6.2	105	C/C 105°
123	C434	0515	23° 44.44 N	84° 01.98 W		6.2	105	
123	C435	0530	23° 43.33 N	84° 00.82 W		6.1	105	
123	C/C	0533				6.1		C/C 110°
123	C/C	0542				6.1		C/C 115°
123	C436	0545	23° 42.25 N	83° 59.70 W		5.6	115	
123	C/C	0547				5.8	125	C/C 125°
123	C437	0600	23° 41.04 N	83° 58.68 W		6.2	125°	
123	C438	0615	23° 39.78 N	83° 57.65 W		6.3	125°	
123	C/C	0620				6.0	120°	C/C 120°
123	C439	0630	23° 38.58 N	83° 56.63 W		5.8	120°	
123	C440	0645	23° 37.39 N	83° 55.55 W		6.0	120°	
123	C441	0700	23° 36.35 N	83° 54.39 W		6.1	120°	
123	C/C	0705				6.1	125	C/C 125°
123	C442	0715	23° 35.26 N	83° 53.24 W		6.0	125	
123	C/C	0725				6.1	130	C/C 130°
123	C443	0730	23° 34.17 N	83° 52.05 W		6.4	130	
123	C/C	0734				6.4	135	C/C 135°

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
123	C/C	0740					140	C/C 140°
123	C444	0745	23° 32.99 N	83° 50.85 W		6.4	140	
123	C/C	0750				6.4	1450	C/C 145°
123	C445	0800	23° 31.81 N	83° 49.82 W		6.1	1450	
123	C446	0815	23° 30.61 N	83° 48.78 W		6.1	1450	
123	C/C	0820				6.1	1550	C/C 1550
123	C447	0830	23° 29.37 N	83° 47.72 W		6.3	1550	
123	C448	0900	23 26.98	83 45.68		5.8	155	
123	C449	0930	23 24.76	83 43.58		5.8	155	
123	0450	1000	23 22.67	83 41.35		6.1	155°	
123	C/C	1007				6.1	160	C/C 160°
123	0451	1030	23 20.42	83 39.20		6.0	160	
123	C/C	1035				6.0	165	C/C 165
123	0452	1100	23 18.05	83 37.31		5.8	165	MAKING 147
123	453	1130	23 15.59	83 35.53		5.9	165	
123	C454	1200	23 13.20	83 33.78		5.8	165	
123	C/C	1220				5.8	160	C/C
123	C455	1230	23 10.60	83 32.01		6.0	160	
123	C456	1300	23 08.06	83 30.20		6.1	160	
	C/C	1318				5.8	160	C/C 160° end SF-8-03
123	C457	1320	23 06.44	83 28.95		6.1	145	Begin SF-9
123	C458	1325	23 06.14	83 28.49		6.2	130	
123	C459	1330	23 05.94	83 27.91		6.8	110	
123	C460	1335	23 05.86	83 27.31		6.7	100	
123	C461	1340	23 05.87	83 26.75		4.2	90	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE K	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
123	C462	1345	23° 06.01'	083° 26.21'		6.1	075	
123	C463	1350	23 06.24	83 25.70		6.1	045	
123	C464	1355	23 06.57	83 25.27		6.1	030	
123	C465	1400	23 06.93	83 24.93		6.1	027	STEADY ON
123	C/C	1408				6.1	017	C/C
123	C466	1430	23 09.50	83 27.20		5.8	017	
123	C/C	1434				5.8	010	C/C
123	C/C	1438				5.8	005	C/C
123	C467	1500	23 12.19	83 21.87		6.0	005	
123	C/C	1504				6.0	009	C/C
123	C/C	1513				6.0	005	C/C
123	C468	1530	23 15.00	83 20.44		6.2	005	
123	C/C	1545				6.0	002	C/C
123	C469	1600	23 17.60	83 19.02		5.5	002	
123	C470	1630	23 20.24	83 17.64		?	002	
123	C471	1655	23 22.52	83 16.46		5.3	002	
123	C/C	1707				5.3	009	C/C 0090
123	C472	1730	23° 27.52 N	83° 14.02 W		5.8	009	
123	C/C	1736				5.8	00	C/C 00
123	C/C	1746				5.8	3550	C/C 3550
123	C473	1800	230 28.45 N	830 12.91 W		5.6	3550	
123	C474	1830	230 30.99 N	830 11.63 W		6.0	3550	
123	C/C	1900					300	C/C 3000
123		1909					300	STEADY ON 3000
123	C475	1920	23 40.41	83 13.64			300	BAD LORAN C FIX

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE K	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
123	C476	1930	23° 35.81 N	83° 11.14 W		6.0	300	
123	C477	1935	23° 36.05 N	83° 11.35			300	
123	C478	1940	23° 36.24 N	83° 11.55		5.0?	300	
123	C/C	1945					315	C/C 315°
123	C479	1945	23° 36.44 N	83° 11.79 W		5.0?	315	
123	C480	2000	23° 37.28 N	83° 12.28 W		2.4	315	
123	C481	2030	23° 38.86 N	83° 13.53 W		4.5	315	
123	C482	2100	23 41.26	83 15.91		5.0	315	
123	C483	2130	23 43.20	83 17.78		6.9	315	
123	C484	2200	23 45.57	83 20.12		6.5	315	
123	C485	2230	23 47.82	83 22.48		6.2	315	
123	C486	2300	23 49.91	83 24.79		5.8	315	
123	C487	2330	23 52.07	83 27.08		5.7	315	
123	C488	2340	23 52.76	83 27.82		5.9	315	C/C 218
123	C489	2345	23 53.03	83 28.28		5.7	295	
123	C490	2350	23 53.13	83 28.86		6.3	265	
123	C491	2355	23 53.04	83 29.45		6.2	245	
124	C492	0000	23 52.71	83 29.90		6.0	218	steady on 3 MAY 80 File 13
124	C/C	0015				6.1	213°	C/C
124	C493	0030	23 50.43	83 32.02		6.0	213	
124	C494	0045	23 49.26	83 33.00		6.0	213	
124	C495	0100	23 48.04	83 33.97		5.8	213	
124	C496	0130	23 45.49	83 35.65		6.1	213	
124	C/C	0139				6.3	218	C/C 218°
124	C/C	0156				5.8	223	C/C 223°

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE ↙	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
124	C497	0200	23 43.02	-83 37.50		5.6	223	
124	C/C	0216				5.9	218	C/C 218
124	C498	0230	23 40.69	-83 39.50		6.3	218	
124	C/C	0256				6.3	213	C/C 213
124	C499	0300	23 38.14	-83 41.24		5.8	213	
124	C/C	0326				5.7	218	C/C 218
124	C500	0330	23 35.40	83 42.53				
124	C/C	0335				5.4	225	C/C 225°
124	C/C	0344				5.4	230	C/C 230°
124	C/C	0354				5.4	235	C/C 235°
124	C/C	0358				5.4	240	C/C 240°
124	C501	0400	23 33.03	83 44.04		5.3	240	
124	C/C	0404				4.8	248	C/C 248°
124	C502	0430	23 31.19	83 46.10		5.6	248	
124	C503	0500	23 29.50	83 47.27		5.6	248	
124	C/S	0446				4.0	248	DEAD SLOW/2, SHIP AHEAD
124	C/S	0454				3.0	248	" " / " "
124	C504	0505	23 29.37	83 47.25		3.0	248	
124	C505	0510	23 29.02	83 47.07		1.9	270	C/C, ALTERED COURSE
124	C506	0515	23 29.00	83 47.30		2.2	280	AVOID SHIP
124	C507	0520	23 28.91	83 47.39		1.7	290	
124	C508	0525	23 28.90	83 47.54		2.9	270	
124	C509	0530	23 28.79	83 47.71		2.7	260	
124	C510	0535	23 28.68	83 47.99		3.0	259	STEADY ON 259
124	C/S	0558				6.0	259	C/S

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE K	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
124	C511	0600	23° 27.69 N	83° 48.84 W		3.4	258	
124	C/C	0608				5.0	275	C/C
124	C512	0610	23° 27.22 N	83° 49.37 W		5.2	275	
124	C513	0615	23° 27.28 N	83° 49.77 W		5.2	275	
124	C514	0620	23° 27.11 N	83° 50.12 W		5.3	275	
124	C515	0630	23° 27.03 N	83° 51.06 W		5.9	275	
124	C/S	0652				5.4		C/S 5.4 kts
124	C516	0700	23° 26.77 N	83° 54.26 W		5.6	275	
124	C517	0730	23° 26.60 N	83° 57.44 W		5.6	275	
124	C/C	0750				5.6	270	C/C 270°
124	C518	0800	23° 26.19 N	84° 00.70 W		5.6	270	
124	C/C	0805				5.6	265	C/C 265°
124	C519	0830	23° 25.38 N	84° 03.92 W		6.2	265	
124	C/C	0833				6.2	270	C/C 270°
124	C520	0900	23 24.92	84 07.24		5.9	270	
124	C521	0930	23 24.41	84 10.47		6.3	270	
124	C522	1000	23 24.11	84 13.92		6.1	270	
124	C523	1030	23 23.75	84 17.32		6.8	270	
124	C/C	1035				6.5	265	C/C 265
124	C524	1100	23 23.09	84 20.77		6.2	265	
124	C525	1130	23 22.36	84 24.06		6.3	265	
124	C526	1200	23 21.57	84 27.22		5.9	265	
124	C527	1230	23 20.89	84 30.47		5.9	265	
124	C528	1300	23 20.15	84 33.87		6.2	265	
124	C/C	1304				6.2	044	BEHIND SLD TURN C/C

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE K	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
124	<u>C529</u>	1305	23° 20.01'N	-084° 34.41'W		6.2	265	
124	C530	1310	23° 20.01	84 34.96		6.2	290	
124	C531	1315	23 20.20	84 35.49		6.0	315	
124	C532	1320	23 20.47	84 35.94		6.0	340	
124	<u>C533</u>	1325	23 20.84	84 36.23		4.0	360	
124	<u>C534</u>	1327				3.0	008	c/s - Dead slow 2
124	<u>C534</u>	1330	23 21.17	84 36.38		2.8	005	65°
124	C534	1335	23 21.36	84 36.40		2.3	010	
124	C535	1340	23 21.60	84 36.37		2.3	018	
124	<u>C536</u>	1345	23 21.75	84 36.24		2.4	035	
124	<u>C537</u>	1350	23 21.85	84 36.00		2.6	044	STEADY ON
124	<u>C/C</u>	1357					034	C/C
124	C538	1400	23 22.04	84 35.53		2.7	034	
	C/C	1401					030	C/C
124	C/C	1404					034	C/C
124	<u>C/C</u>	1410					038	C/C
124	C/S	1417				6.0	038	C/S SF-11 BEGIN
124	C/C	1430	23 23.14	84 34.13		5.0	050	C/C SHIP AHEAD
124	C/C	1440					043	C/C
124	C539	1500	23 24.34	84 31.73		5.6	043	
124	C540	1530	23 25.97	84 29.09		5.9	043	
124	C/C	1556					050	C/C
124	C541	1600	23 27.61	84 26.35		6.0	050	
124	C542	1630	23 29.15	84 23.49		6.1	050	
124	C/C	1632					045	C/C

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
124	C544	1700	23 30.77	-084 20.66		6.0	045	
124	C545	1730	23° 32.30	84° 17.83 W		5.8	045	
124	C/C	1734				6.0	040	C/C 040°
124	C546	1800	23 33.90	84 15.21		5.8	040	
124	C547	1830	23 35.64	84 12.59		5.9	040	
	C548	1900	23 37.31	84 09.85		5.9	040	
	C549	1915	23 38.11	84 08.52				
	C/C	1916						
	C550	1920	23° 38.41 N	84° 08.14 W		5.5	050	C/C 312° END SP11 BEG SP12
	C551	1925	23 38.83 N	84° 08.08 W		5.0	025	
	C552	1930	23° 39.19 N	84° 08.10 W		4.9	000	
	C553	1935	23 39.56 N	84° 08.28 W		5.2	335	
	C554	1940	23° 39.74 N	84° 08.67 W		5.2	312	
124	C/C	1942					325	C/C 325°
	C555	1945	23° 40.02 N	84° 09.02 W		5.2	325	
	C556	2000	23° 40.97 N	84° 09.99 W		5.5	325	
124	C/C	2003				5.9	330	C/C 330°
124	C557	2038	23° 43.43 N	84° 11.94 W		6.2	330	
124	C558	2100	23 45.71	84 13.99		5.9	330	
124	C559	2130	23 48.04	84 16.03		6.0	330	
124	C560	2200	23 50.40	84 17.98		5.6	330	
124	C561	2230	23 52.72	84 19.95		5.9	330	
124	C562	2300	23 55.06	84 21.97		6.1	330	
124	C563	2330	23 57.49	84 24.00		6.2	330	
	C564	2345	23 58.73	84 25.03		6.2	330	C/C 233 - Beg in turn

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE ↙	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
124	C565	2350	23 59.07	-84 25.52		6.3	305	
124	C566	2355	23 59.13	-84 26.10		6.9	275	
125	C567	0000	23 58.95	-84 26.67		6.6	250	4 MAY 80
125	C568	0005	23 58.63	84 27.14		6.4	233	steady on 233°
125	C569	0030	23 56.62	84 28.90		6.1	233	
125	C570	0045	23 55.36	84 29.92		6.1	233	
125	C/C	0059				6.2	248	C/C 248
125	C571	0100	23 54.12	84 30.98		6.0	248	
125	C572	0115	23 53.23	84 32.25		5.9	248	
125	C/C	0120				5.9	253	C/C 253
125	C573	0130	23 52.47	84 33.60		5.9	253	
125	C574	0145	23 51.80	84 35.03		5.8	253	
125	C/C	0151				5.7	248	C/C 248
125	C575	0200	23 50.98	84 36.35		5.8	248	
125	C/C	0214				5.8	253	C/C 253
125	C576	0215	23 50.20	84 37.69		5.8	253	
125	C577	0230	23 49.57	84 39.13		5.8	253	
125	C/C	0237				5.8	250	C/C 250
125	C578	0245	23 49.02	84 40.60		5.7	250	
125	C579	0250	23 48.74	84 41.02		5.5	244	slow turn to 066°
125	C580	0255	23 48.52	84 41.47		5.7	232	
125	C581	0300	23 48.23	84 41.88		5.6	222	
125	C582	0305	23 47.84	84 42.18		5.8	214	
125	C583	0310	23 47.38	84 42.39		5.7	198	
125	C584	0315	23 46.93	84 42.50		5.8	180	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE Z	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
125	C585	0320	23 46.41	84 42.47		5.7	162	
125	C586	0325	23 46.00	84 42.35		5.7	145	
125	C587	0330	23 45.55	84 42.03		5.9	135	
125	C588	0335	23 45.19	84 41.71		6.2	126	
125	C589	0340	23 44.90	84 41.30		5.3	97	
125	C590	0345	23 44.82	84 40.85		5.2	84	
125		0349					66	steady on
125	C/C	0351					050	C/C 050°
125	C591	0350	23 44.84	84 40.35		5.2	050	
125	C/C	0357					045	C/C 045°
125	C592	0400	23 45.31	84 39.57		5.2	045	
125	C/C	0401					040	C/C 040°
125	C/C	0413					048	C/C 048°
125	C593	0415	23 46.23	84 38.37		6.0	048	
125	C594	0430	23 47.12	84 36.99		6.2	048	
125	C595	0445	23 47.96	84 35.55		6.3	048	
125	C/C	0456				6.2	040	C/C 040°
125	C596	0500	23° 48.78 N	84° 34.15 W		6.0	040	
125	C597	0530	23° 50.62 N	84° 31.52 W		6.0	040	
125	C/C	0536					045	C/C 045°
125	C/C	0547					050	C/C 050°
125	C598	0600	23° 52.24 N	84° 28.61 W		6.3	050	
125	C599	0615	23° 52.87 N	84° 27.02 W		6.3	050	
125	C/C	0617					045	C/C 045°
125	C600	0630	23° 53.51 N	84° 25.51 W		6.4	045	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
125	C/c	0632					040	c/c 040°
125	C601	0700	23° 55.03 N	84° 22.68 W		6.0	040	
125	C602	0715	23° 55.77 N	84° 21.22 W		6.1	040	
125	C/c	0715						c/c 210° END SF14 BEG SF15
125	C603	0720	23° 55.79 N	84° 20.58 W		7.7	090	
125	C604	0725	23° 55.62 N	84° 19.92 W		7.7	090	
125	C605	0730	23° 55.15 N	84° 19.23 W		8.5	120	
125	C606	0735	23° 54.74 N	84° 18.72 W		8.3	130	
125	C607	0740	23° 54.08 N	84° 18.21 W		9.3	170	
125	C608	0745	23° 53.46 N	84° 18.26 W		7.8	200	
125	C609	0750	23° 52.86 N	84° 18.45 W		7.5	210	
125	C/c	0752					230	c/c 230°
125	C610	0755	23° 52.33 N	84° 18.66 W		6.3	230	
125	C/c	0757					240	c/c 240°
125	C611	0800	23° 51.90 N	84° 18.97 W		6.1	240	
125	C612	0805	23° 51.50 N	84° 19.30 W		5.9	240	
125	C/c	0805					245	c/c 245°
125	C613	0815	23° 50.79 N	84° 20.07 W		6.0	245	
125	C614	0830	23° 49.77 N	84° 21.28 W		6.2	245	
125	C615	0900	23 47.19	84 23.70		6.0	245	
125	C616	0915	23 46.69	84 24.94		6.1	245	
125	C617	0930	23 45.69	84 26.16		5.8	245	
125	C618	0945	23 44.78	84 27.42		6.0	245	
125	C619	1000	23 43.81	84 28.67		5.8	245	
125	C620	1015	23 42.98	84 30.03		5.9	245	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
125	C 621	1030	23 42.01	84 31.33		5.9	245	
125	C/C	1038				6.0	240	C/C
125	C 622	1045	23 41.10	84 32.65		6.1	240	
125	C 623	1100	23 40.10	84 33.89		6.1	240	C/C 70 Begin SF-16
125	C 624	1105	23 39.74	84 34.24		5.9	210	
125	C 625	1110	23 39.21	84 34.40		6.6	190	
125	C 626	1115	23 38.73	84 34.38		5.9	161	
125	C 627	1120	23 38.32	84 34.19		5.8	139	
125	C 628	1125	23 37.96	84 33.80		5.9	110	
125	C 629	1130	23 37.79	84 33.36		5.3	90	
125	C 630	1135	23 37.79	84 32.79		6.3	70	
125	C 631	1140	23 37.91	84 32.26		6.2	70	
125	C 632	1145	23 37.98	84 31.68		6.2	70	
125	C 633	1200	23 38.17	84 30.04		6.0	70	
125	C/C	1207				6.1	55	C/C
125	C 634	1215	23 38.47	84 28.49		5.4	55	
125	C 635	1230	23 39.01	84 26.97		5.9	55	
125	C/C	1241				6.1	53	C/C
125	C 636	1245	23 39.59	84 25.50		5.9	53	
125	C 637	1300	23 40.12	84 23.95		6.0	53	
125		1308					050	C/C
125	C 638	1315	23 40.65	84 22.42		6.0	050	
125	C/C	1320					047	C/C
125	C 639	1330	23 41.21	84 20.95		5.9	047	
125	C 640	1345	23 41.80	84 19.49		6.1	047	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
125	C641	1400	23° 42.33	-084° 17.97		5.9	047	
125	C/C	1406					042	C/C
125	C642	1415	23 42.90	84 16.48		5.8	042	
125	C/C	1424				5.8	045	C/C
125	C643	1430	23 43.54	84 15.03		5.8	045	
125	C644	1445	23 44.10	84 13.59		5.8	045	
125	C645	1500	23 44.64	84 12.10		5.8	045	
125	C646	1515	23 45.17	84 10.62				
125	C/C	1519					255	C/C END SF-16 STARTS -17
125	C647	1520	23 45.30	84 10.08		6.1	050	
125	C648	1525	23 45.36	84 09.52		6.2	085	
125	C649	1530	23 45.08	84 08.88		6.4	130	
125	C650	1535	23 44.68	84 08.44		6.6	145	DEAD GLO/2; CURRENT EAST
125	C651	1540	23 44.18	84 08.14		6.8	165	
125	C652	1545	23 43.68	84 08.01		6.4	195	
125	C653	1550	23 43.18	84 08.07		6.6	225	
125	C654	1555	23 42.80	84 08.27		6.4	255	
125		1556					255	STEADY ON 255°
125	C655	1600	23 42.46	84 08.58		6.3	255	
	C/C	1606					265	C/C
125	C656	1615	23 41.74	84 09.14		6.1	265	
125	C657	1630	23 41.06	84 11.42		6.1	265	
125	C658	1645	23 40.43	84 12.98		6.2	265	
125	C659	1700	23 39.81	84 14.54		6.1	265	
125	C/C	1704					260	C/C

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
125	C660	1730	23° 38.29 N	084° 17.65 W		7.6	260	
125	C/S	1728				9.0		1150/2 C/S TO AVOID SKIP
125	C/S	1745				6.0	260	RESUME GKT
125	C661	1800	23° 36.74 N	84° 21.35 W		6.2	260	
125	C/C	1804				6.3	250	C/C 250°
125	C662	1830	23° 34.98 N	84° 24.24 W		6.1	250	
125	C663	1900	23° 33.38 N	84° 27.03 W		6.0	250	
125	C/C	1932					250	END SF17 START SLOW TURN TO 250
125	C664	1930	23° 31.93 N	84° 29.84 W		6.0	250	-
	C665	1935	23° 31.61 N	84° 30.25 W		6.1	215	DFS OFF
	C666	1940	23° 31.12 N	84° 30.49 W		6.6	200	-
	C667	1945	23° 30.57 N	84° 30.60 W		6.7	185	
	C668	1950	23° 30.04 N	84° 30.62 W		6.9	180	-
	C669	1955	23° 29.42 N	84° 30.46 W		6.5	165	
125	C670	2000	23° 28.88 N	84° 30.18 W		7.0	150	-
	C671	2005	23° 28.41 N	84° 29.84 W		7.3	125	
	C672	2010	23° 27.92 N	84° 29.32 W		7.2	120	-
	C673	2015	23° 27.72 N	84° 28.83 W		6.8	110	
125	C674	2020	23° 27.46 N	84° 28.22 W		6.4	080	-
	C675	2025	23° 27.42 N	84° 27.65 W		6.4	070	
	C676	2030	23° 27.61 N	84° 27.11 W		6.1	060	-
	C/C	2033					050	STEADY ON 050 END SLOW TURN
125	C/C	2035				6.1	040	
	C677	2045	23° 28.42 N	84° 25.77 W		5.9	040	
125	C/S	2047				3.0	040	C/S MAXI gear out

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
125	C678	2100	23 28.99	84 24.81		3.5	040	
	C679	2130	23 29.770	84 23.04		3.7	040	
	C680	2135	23 29.87	84 22.72		4.6	025	800/2 c/s 025°
	C681	2200	23 31.70	84 21.02		5.8	025	
	C/C	2203	—	—		5.8	015	c/c 015°
	C682	2215	23 32.93	84 20.22		5.6	015	
	C/C	2218	—	—		5.5	005°	c/c 005°
	C/C	2223	—	—		6.0	005°	c/s 6.0
	C683	2230	23 34.19	84 19.71		5.6	005	
125	C684	2250	23 36.15	84 19.14		6.0	005	c/c 320°
	C685	2255	23 36.58	84 19.24		6.0	340°	steady
	C686	2300	23 36.92	84 19.60		5.5	320°	
	C/C	2305	—	—		4.5	323°	c/c c/s
	C/C	2312	—	—		—	325°	c/c
	C687	2315	23 37.87	84 20.49		4.6	325	
125	C688	2330	23 38.82	84 21.25		3.4	325	2339 Begin Maxipulse SF-18
125	C689	2345	23 39.54	84 21.90		3.4	325	
125	C/C	2359	—	—		—	329	c/c
126	C690	0000	23 40.21	84 22.57		3.4	329	5 MAY 80 File 15
126	C691	0015	23 41.02	84 23.09		3.7	329	
126	C/C	0020	—	—		—	332	c/c
126	C692	0030	23 41.82	84 23.61		3.6	332	
126	C693	0045	23 42.62	84 24.07		3.5	332	
	C/C	0048	—	—		3.5	320	c/c
	C694	0100	23 43.28	84 24.72		3.2	320	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
126	c/c	0105				3.5	328°	c/c
	C695	0115	23 43.93	-84 25.43		3.4	323	
	C696	0130	23 44.62	-84 26.11		3.5	323	
	C697	0132	23				324	c/c
	C698	0145	23 45.19	-84 26.75		3.5	324	
	C699	0148					325	c/c
	C700	0200	23 45.91	84 27.55		3.5	325	
	c/c	0203					330	c/c
	C701	0215	23 46.55	84 28.12		3.6	330	
	C702	0230	23 47.24	84 28.72			330	
	C703	0245	23 47.89	84 29.30		4.7		
	c/c	0250				3.9	326°	c/c
126	C704	0300	23 48.41	84 29.88		3.0	326	
		0304					330	c/c
	C705	0315	23 49.00	84 30.50		3.4	330	
	C706	0330	23 49.66	84 31.16				
	C707	0345	23 50.29	84 31.78		3.6	330	
	C708	0400	23 50.92	84 32.40		3.3	330	
	C709	0415	23 51.47	84 33.00		3.3	330	
126	C710	0430	23 52.19	84 33.68		4.6	330	
126	C711	0445	23° 52.91 N	84° 34.37 W		3.8	330	
	C712	0500	23 53.62	84 35.07		3.2	330	
	C713	0515	23 54.17	84 35.66		3.4	330	
126	c/c	0528				6.0		c/s end MAXI Line SF-18
	C714	0530	23° 54.80	84 36.33		5.7	330	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
126	*C715	0600	23° 57.41 N	84° 38.38 W		5.5	330	
	C716	0630	24 00.09	84 40.55		7.5	330	
	C716	0640	24 00.98	84 41.28		6.7	330	C/C BEGIN SLOW TURN LEFT
	*C717	0650	24 01.39	84 42.50		7.2	270	to 22°
	*C718	0700	24 00.69	84 43.78		8.0	220°	steady 220°
	*C719	0710	23 59.63	84 44.61		6.0	220°	C/C 130° - slow turn to left
	*C720	0720	23 58.55	84 45.00		6.0	175	
	*C721	0730	23 57.65	84 44.55		6.0	130	steady ON 130°
126	*C722	0740	23 57.11	84 44.08		3.8	130	STRAIGHT SF19
	*C723	0800	23 55.61	84 42.67		6.5	129	
126	*C/C	0812				6.7	120	C/C 120°
	C/S	0815				4.5?		C/S DEAD SLOW/2
	*C724	0830	23 53.87N	84 40.30		4.0	120	
	C/S	0842				6.0	120	C/S BACK TO G/F C/S
	*C/C	0844				6.0	105	C/C
	*C725	0845	23 52.71	84 39.61		6.0	105	CONTINUE LINE SF-19
	*C726	0900	23 52.01	84 38.21		5.9	105	
	*C727	0930	23 50.43	84 35.33		5.4	105	
	*C728	1000	23 48.85	84 32.48		6.5	105	
	*C729	1030	23 47.16	84 29.59		6.2	105	
126	*C730	1100	23 45.52	84 26.73		6.3	105	
	*C731	1130	23 43.79	84 23.78		6.3	105	
	*C/C	1133				6.3	110	C/C 110
	*C732	1200	23 41.92	84 20.99		6.2	110	
126		1204				6.2	115	C/C 115

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
126	C733	1230	23 39.97	84 18.43		6.0	132	
126	*C734	1300	23 37.90	84 15.85		6.0	132	
126	C/C	1317					029	slow turn c/c
126	*C736	1320	23 36.55	84 14.13		6.0	099	
126	*C737	1325	23 36.28	84 13.65		5.9	087	
126	*C735	1315	23 36.84	84 14.55 ✓		6.0	132	
126	*C738	1330	23 36.19	84 13.19		5.1	063	
126	*C739	1335	23 36.19	84 12.75		4.8	042	
126	C/C	1338				4.3	029	steady on
126	C740	1345	23 36.64	84 12.04		5.7	029	
126	C/C	1351				5.7	020	C/C
126	*C740	1400	23 37.65	84 10.97		5.4	020	
126	C/C	1405				5.8	014	C/C
126	C741	1415	23 38.82	84 10.15		5.5	014	
126	C/C	1419				5.5	009	C/C
126	C742	1430	23 40.08	84 09.46		5.7	009	
126	C/C	1434				5.8	005	C/C
126	C743	1445	23 41.49	84 08.91		6.1	005	
126	C/C	1451				6.0	014	C/C
126	*C744	1500	23 42.95	84 08.22		6.4	016	C/C
126	C/C	1522				6.3	007	C/C
126	C745	1530	23 45.66	84 06.55		6.2	007	
126	C746	1545	23 47.06	84 05.97		5.8	007	
126	C/C	1548				5.8	013	C/C
126	*C747	1600	23 48.40	84 05.22		5.9	013	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
126	C748	1615	23 49.67	84 04.43		5.8	013	
126	C749	1630	23 50.94	84 03.71		5.7	013	
126	C750	1645	23 52.22	84 02.93		7.0	013	C/S to AVOID ship
126	C/S	1650				6.0		C/S BACK TO 6kt
126	C751	1700	23 53.52	84 02.13		6.0	013	END SF20
126	C/C	1702				4.9		BEGIN SLOW TURN TO 227°
126	C752	1710	23 54.34	84 02.02 W		5.6	325	
126	C753	1720	23 54.61	84 03.05		6.8	280	
126	C754	1730	23 53.80	84 04.40		10.0	230	
126	C/C	1732				10.2	227°	STEADY ON 227°
126	C/C	1731				10.4	240	C/C 240°
126	C/C	1735				10.0	250°	C/C
126	C755	1745	23° 52.21	84 05.73		6.7	250°	
126	C/C	1750				6.1	260	C/C 260
126	C756	1800	23° 51.72 N	84° 06.88 W		5.9	260	
126	C/C	1822					270	C/C 30° CRAB
126	C757	1830	23 49.40	84 09.39		5.5	270	
126	C/C	1854					260°	C/C 260°
126	C758	1900	23 48.00	84 12.33		6.4	260	
126	C759	1930	23 46.36	84 15.27		6.1	260	
	C/C	1940				6.1	309°	C/C END SF-21 Begin 22
	C760	1940	23 45.85	84 16.23		6.1	260	
	C761	1950	23 45.74	84 17.14		4.1	300	
	C/C	1955					320	C/C 320°
	C762	2000	23 46.04	84 17.83		4.5	320	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
126	C763	2010	23 46.66	84 18.58		5.6	325	
126	C764	2016	23 47.35	84 19.36		6.1	320	C/C 320°
126	C765	2030	23 47.96 N	84 20.18 W		5.8	320	
	C766	2100	23 49.92	84 22.66		5.9	320	
126	C767	2130	23 51.82	84 25.16		6.0	320	
126	C768	2200	23 53.80	84 27.70		6.0	320	
126	C769	2230	23 55.73	84 30.15		6.0	320	
126	C770	2255	23 57.44	84 32.21		6.0	320	C/C 090° End SP-22
126	C771	2300	23 57.87	84 32.50		5.8	335	
126	C772	2305	23 58.40	84 32.53		6.4	010	
126	C773	2310	23 58.88	84 32.21		6.9	030	
126	C774	2315	23 59.18	84 31.65		7.2	070	
126	C775	2320	23 59.17	84 30.91		8.2	090	sterady - 090° -
126	C776	2330	23 58.91	84 29.45		8.0	090	
127	C777	0000	23 57.88	84 25.19		8.1	090	6 MAY 80 File 16
127	C778	0015	23 57.42	84 23.07		7.8	090	
127	C779	0020	23 57.26	84 22.35		8.0	090°	C/C 245
127	C780	0025	23 57.02	84 21.09		7.6	103°	
127	C781	0030	23 56.72	84 21.12		7.6	113°	
127	C782	0035	23 56.22	84 20.57		7.8	150°	
127	C783	0040	23 55.55	84 20.28		8.6	166	
127	C784	0045	23 54.82	84 20.19		8.5	188	
127	C785	0050	23 54.17	84 20.32		8.3	204	
127	C786	0055	23 53.52	84 20.60		7.9	235	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
127	C/C	0055		84		7.9	235	C/C 255°
127	C787	0100	23 53.01	84 21.02		7.4	244	
127		0102						Steady on 255°, BEGIN 9F-23
127	C/C	0108				6.8	255	C/C 275°
127	C788	0110	23 52.51	84 22.14		6.6	275	Steady on 275°
127	C789	0115	23 52.36	84 22.66		6.0	275	
127	C790	0120	23 52.24	84 23.20			275	
127	C791	0130	23 51.99	84 24.28		6.1	275	
127	C792	0140	23 51.82	84 25.43		6.1	275	
127	C793	0145	23 51.66	84 25.96		6.1	255	
127	C/C	0144					255	C/C
127	C794	0200	23 50.80	84 27.39		6.1	255	
127	C795	0215	23 50.01	84 28.78		5.9	235	
127	C796	0230	23 49.18	84 30.08		5.7	255	
127	C797	0245	23 48.36	84 31.41		5.9	260	
127		0239					260	C/C
127	C/C	0251					255	C/C
127	C798	0300	23 47.62	84 32.81		6.1	255	
127	C799	0315	23 46.81	84 34.23		6.1	255	
127	C800	0330	23 45.99	84 35.72		6.1	255	
127	C/C	0331					038	C/C slow turn, END
127	C801	0335	23 45.79	84 36.21		6.1	235	
127	C802	0340	23 45.25	84 36.52		6.7	214	
127	C803	0345	23 44.75	84 36.79		6.9	195	
127	C804	0350	23 44.12	84 36.83		7.5	175	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
127	C787	0355	23° 43.59	084° 36.77		7.1	155	
127	C788	0400	23 42.95	84 36.38		7.6	140	
127	C789	0405	23 42.57	84 35.95		7.2	120	
127	C790	0410	23 42.27	84 35.40		6.9	095	
127	C791	0415	23 42.20	84 34.87		7.1	075	
127	C792	0420	23 42.31	84 34.33		6.0	054	
127	C793	0425	23 42.48	84 33.80		5.7	038	steady on 038
127	C794	0430	23 42.77	84 33.40		5.7	038	
127	C/C	0433					028	C/C 028°
127	C795	0445	23 43.83	84 32.26		5.9	028	
127	C796	0500	23 44.79	84 31.10		5.9	028	
127	C/C	0504				6.0	038	C/C 038°
127	C/C	0525	23° 46.62N	84° 28.35W		6.0	040	C/C 040°
	C797	0530	23 46.62	84 28.35		6.0	040	
	C798	0600	23 48.35	84 25.53		6.4	040	
127	C/C	0611				6.2	035	C/C
127	C799	0630	23 50.12	84 22.80		5.9	035	
127	C/C	0650						Begin slow turn to 260
127	C800	0655	23 51.60	84 20.60		6.4	080	
127	C801	0700	23 51.61	84 20.00		6.8	100	
127	C802	0705	23 51.34	84 19.38		7.1	121	
127	C803	0710	23 50.82	84 18.90		7.1	150	
127	C804	0715	23 50.28	84 18.69		7.6	179	
127	C805	0720	23 49.65	84 18.68		7.1	200	
127	C806	0725	23 49.01	84 18.69		6.7	240	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE ↙	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
127	C807	0730	23 48.63	84 19.31		6.1	260	
127	c/c	0736					250	OK to 250°
127	C808	0800	23 46.93	84 22.04		5.9	250	
127	C809	0830	23° 45.05N	84° 24.69 W		6.1	250	
127	C810	0900	23 43.11	84 27.32		6.1	250	
	C811	0930	23 41.30	84 30.05		6.5	250	
127	C812	1000	23 39.38	84 32.74		6.5	250	
		1002						LAST SHOT Line = SF-25
	C813	1005	23 39.13	84 33.20		6.0	250	C/c 300 a/s 1000/2
	C814	1010	23 38.99	84 33.71		6.5	275	
	C815	1015	23 39.04	84 34.16		7.0	299	
	C816	1020	23 39.03	84 34.56		7.1	299	
	C817	1025	23 39.23	84 35.08		7.1	300	Steady on 300
	C818	1030	23 39.52	84 35.68				
	C819	1100	23 40.90	84 39.08		7.3	300	
	C820	1130	23 42.41	84 42.61		7.6	300	
	C821	1200	23 43.74	84 46.32		7.4	300	
127	C822	1230	23 45.18	84 50.25		7.6	300	
127	C/S	1240				7.5	300	Dead slow
127	C823	1300	23 45.68	84 52.78		3.4	300	
127	C824	1330	23 45.62	84 54.92		6.0	300?	
127	C/C	1312					170	C/c 170°
127	C/C	1348					185	C/c 185°
127	C825	1400	23 42.68	84 56.16		4.1	300	
127	C826	1430	23 41.51	84 56.12		1.0	164	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE K	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
127	15/P	1451				2.3	160	STREAMER PARTY, 3.5 OFF
	11	1634						STREAMER ON DRUM
127	16 d/s	1638				10	304	MAGGIE OUT, RECORDERS ON
127	C827	1630	23° 37.28	-084° 56.26		10	304	
127	C828	1700	23° 38.04 N	85° 00.16 W		10.7	304	GOIN' HOME
127	C829	1800	23° 43.64 N	85° 11.37 W		10.7	308	
127	C830	1900	23° 49.18 N	85° 20.95 W		11.4	306	
127	C831	1930	23° 52.29 N	85 26.20 W		11.3	306	
127	C832	2000	23 55.54 N	85° 31.38 W		11.3	208	
127	C833	2030	23 58.77 N	85 36.44 W		11.3	308	
127	C834	2100	24 02.03	85 41.43		11.1	308	
127	835	2200	24 08.73	85 51.51		11.3	308	
127	C836	2300	24 15.57	86 01.66		11.5	308	
128	C837	0000	24 22.89	86 11.77		11.5	308	7 MAY 80
128	C838	0100	24 30.78	86 21.81		11.3	308	7 MAY 1980
128	C839	0130	24 34.89	86 26.83		11.8	308	
128	C840	0200	24 38.96	86 31.91		13.0	308	*
128	C841	0230	24 43.18	86 36.99		12.5	297	
128	C842	0300	24 47.10	86 42.30		12.5	290	
128	C843	0330	24 50.72	86 47.90		12.4	290	
128	C844	0400	24 54.49	86 53.51		12.1	285	
128	C845	0500	25° 00.75 N	87° 04.81 W		11.4	290	
128	C846	0600	25° 04.52 N	87° 16.68 W		11.6	295	
128	C847	0700	25° 09.36 N	87 28.66 W		12.1	295	
128	C848	0730	25 12.52 N	87 34.27		12.5	295	

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DAY	FIX NO OR CSC	GMT	LATITUDE	LONGITUDE	RISE K	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
128	C849	0800	25° 15.51 N	87° 41.13 W		12.4	297°	
128	C850	0830	25° 19.24 N	87° 45.39 W		12.3	297°	
128	C851	0900	25° 22.90 N	87 50.87 W		12.4	297°	
	C852	1000	25 30.64	88 01.46		12.3	314	
128	C853	1100	25 38.85	88 11.44		12.3	314	
	C854	1200	25 47.32	88 20.41		12.1	314	
128	YC	1207				12.0	314	c/c 308°
128	C855	1300	25 55.42	88 29.85		11.4	308	
128	C856	1330	25 58.66	88 35.00		11.1	308	
128	C857	1400	26 01.80	88 40.08		11.1	308	
128	C858	1430	26 04.95	88 45.07		10.6	308	
128	C859	1500	26 07.81	88 50.12		10.8	304	
128	C860	1530	26 10.16	88 55.61		10.9	295	
128	C861	1600	26 12.76	89 00.94		10.9	292	
128	C862	1630	26 15.36	89 06.38		11.2	292	
128	C863	1700	26 17.83 N	89 11.82		10.6	292	
128	C864	1800	26 22.37 N	89 22.73 W		11.1	292	
128	C865	1900	26 26.45 N	89 33.94 W		10.8	294	
128	C866	2000	26 30.74 N	89 45.41 W		11.2	300	
128	C867	2100	26 36.64 N	89 55.97 W		11.4	300	
128	C868	2200	26 43.36 N	90 06.48 W		11.6	300	
128	C869	2300	26 49.92	90 17.06		11.3	300	
128	C870	2330	26 53.18	90 22.32		11.6	300	
129	C871	0000	26 56.67	90 27.55		11.6	300	
129	C872	0100	27 04.07	90 37.49		11.5	300	

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870 0.30 26 53.18 90 22.3 11.6 300

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DAY	FIX NO. OR CSC	GMT	LATITUDE	LONGITUDE	RISE ↙	SPD	CSE	COMMENTS
01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
129	C871	0000	26 56.67	90 27.55		11.6	300	8 May 80
129	C872	0100	27 04.07	90 37.49		11.5	300	
129	C873	0200	27 11.16	90 47.82		11.3	297	
129	C874	0300	27 16.79	90 58.92		11.6	297	
129	C875	0400	27 22.63	91 10.07		11.4	303	
129	C876	0500	27 28.47	91 21.02		11.1	303	
129	C877	0600	27 34.65N	91 31.65W		11.2	305°	
129	C878	0700	27° 41.10N	91 42.11 W		11.0	305	
129	C879	0800	27° 47.56N	91 52.36 W		11.6	304°	
129	C880	0900	27° 54.29N	92° 03.21 W		11.2	300°	
129	C881	1000	27° 59.53 N	92° 12.45 W		11.2	290°	C/C 295°
129	C882	1100	28° 04.59 N	92° 24.66 W		10.8	295°	
129	C883	1200	28 09.61	92 35.13		10.9	295	
129	C884	1300	28 15.11	92 46.61		10.8	295	
129	C885	1400	28 21.69	92 54.36		10.7	304	
129	C886	1500	28 27.77	93 05.07		11.3	300	
129	C887	1600	28 33.69	93 15.82		10.9	300	
129	C888	1700	28 39.16	93 26.75		11.4	300	
129	C889	1800	28° 44.39 N	93° 36.04 W		11.0	305	
129	C890	1900	28° 50.10 N	93° 48.45 W		11.0	305°	
129	C891	2000	28 57.38	93 59.92		11.0	305	
129	C892	2100	29 02.86	94 09.63		11.0	320	
129	C893	2200	29 08.07	94 19.78		11.0	320	
129	C894	2345	29 18.5	94 38.5		11.0	320	CHANNEL MARKER # 1

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