

# LORANC

NAVIGATION LOG

CRUISE FM08-01

DATE MAY 18, 1981 PAGE 1

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	
138	L001	1300	26 58.09	<del>088</del> 58.05		8.3	127	FIRST FIX!
138	L002	1400	26 54.56	<del>088</del> 50.33		5.4	129	
138	L003	1500	26 50.63	<del>088</del> 43.25		8.4	127	
138	L004	1600	26 46.57	<del>088</del> 35.21		8.7	123	
138	L005	1700	26 42.86	<del>088</del> 26.20		8.8	123	
138	L006	1800	26 39.85	<del>088</del> 17.37		8.7	123	
138	L007	1900	26 34.78	<del>088</del> 08.60		8.7	118	S002 FIX @ 1846
138	L008	2000	26 31.55	088 00.61		8.7	117	speed slowed 1947-2007
138	L009	2100	26 27.88	087 52.09		8.5	118	
138	L010	2200	26 24.04	87 43.48		8.5	117	
138	L011	2300	26 20.18	87 35.03		8.5	118	
139	E012	0000	26 16.34	87 26.69		8.3	117	19 May 81
139	C013	0100	26 12.55	87 18.43		8.5	118	
139	C014	0200	26 08.40	87 10.01		8.4	118	
139	C015	0300	26 04.15	87 01.60W		8.8	118	
139	C016	0400	25 59.93	86 52.95		8.8	117	
139	C017	0500	25 55.67	86 44.12		9.1	115	
139	C018	0600	25 51.68	86 35.08		9.1	112	
139	C019	0700	25 48.37	86 25.93		9.2	118	
139	C020	0800	25 44.68	86 16.34		9.4	115	
139	C021	0900	25 40.87	86 06.90		9.1	115	
139	C022	1000	25 37.65	85 57.42		9.5	115	
139	C023	1100	25 33.09	85 47.99		9.4	115	
139	C024	1200	25 29.58	85 38.73				
139	C025	1300	25 24.72	85 29.04		9.8	106	

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



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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	
139	C026	1400	25 20.92	85 19.09		9.6	106	STEERED COURSE,
139	C027	1500	25 17.39	85 08.80		10.1	107	NOT TRUE HEADING
139	C028	1600	25° 13.50 N	84° 58.17 W		10.5	115	
139	C/S	1614						C/S DS/2
139	C/S	1636						RESUME 1200/2
139	C029	1700	25 10.08	84 49.24		10.4	126	speed 1250/2
139	C030	1800	25 05.27	84 38.76		11.2	123	1857 back to 1200/2
139	C031	1900	25° 00.57 N	84° 27.58 W		12.2	125	
139	C/S	1857				12.5	123	C/S 1200/2
139	C/S	1942				12.5	123	C/S 1250/2
139	C032	2000	24° 54.87 N	84° 15.50 W		12.5	123	
139	C/C	2040				12.1	116°	116° steered C/C
139	C033	2100	24, 49.49 N	84, 03.29 W		12.0	116	
139	C034	2200	24, 44.05 N	83, 51.48 W		12.1	120°	
139	C035	2300	24, 37.90 N	83, 39.86 W		12.0	122	
139		2355						C/C → 125° line?
140	C036	0000	24, 31.08 N	83, 27.88 W				MAY 20, 1981
		0042				13.0	116	C/S (RSE is now 116)
140	C037	0100	24 25.12	83 15.330		11.4	104	
140	C038	0200	24 20.75	083 04.40		11.1	114	
		0250						C/C 090°
140	C039	0300	24 16.84	082 53.09		10.9	084°	
140	C040	0400	24 17.30	082 41.39		10.6	88°	
140	C041	0500	24 17.94	082 29.78		10.5	88°	
140	C042	0600	24 18.48	082 18.54		10.4	88°	

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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	
140	C043	0700	24 18.58	-082 7.24		10.5	088	
140	C044	0800	24 18.88	-081 56.17		10.5	088	
140	C045	0900	24 21.19	-081 46.83		10.7	084	
140	C046	1000	24 24.36	-081 33.19		11.3	084	
140	C047	1100	24 27.26	-081 20.86		12.3	7.0	
140	C048	1200	24 30.30	-081 08.43		12.5	7.5	
140	C049	1300	24 35.32	-080 55.50		12.7	7.5	
140	C050	1400	24 39.51	-180 41.91		13.4	7.5	
140	C051	1500	24 45.51	-180 28.48		12.6	38	C/C 1430 - 0120
140	C052	1600	24 55.47	-180 19.27		13.2	41	
140	C053	1700	25 05.32	-180 10.69		12.6	40	
140	C054	1800	25 15.70	-180 01.79		14.4	40	C/C 1750 - 041° E 14.4 KT
140	C055	1900	25 29.37	-079 59.25		13.8	007° E	C/C 1805 - 007° E
140	C056	2000	25 43.73	-079 57.64		14.9	007	
140	C057	2100	25 58.73	-79 56.01		15.0	007	
140		2200	No fix	No fix				Loran Base change initial readings N.G.
140	[S020]	2226	26 21.48	-079 54.26		14.0	008	Satellite reading
141	[S021]	0012	26 48.0362	79 48.4612		12.0	010	" "
141		0100	see comment	-079 45.452				Loran still N.G.
141	[S022]	0116	27° 03.7802	-079 45.452				
141	C058	0200	27 14.12	079 44.59		14.9	006°	
141	C059	0300	27 28.92	-079 42.71		14.8	007°	
141	C060	0400	27 47.92	-079 40.23		14.6	006°	
141	C061	0500	27 57.20	-079 39.00		14.3	007	

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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	
141	C062	0600	28 12.13	-079 37.02		13.9	007	
141	C063	0700	28 25.85	-079 35.05		13.6	007	
141	C064	0800	28 38.99	-079 34.77		12.8	358	Changed Course
141	C065	0900	28 51.77	-079 35.06		12.6	358	
141	C066	1000	29 04.07	-079 35.22		12.0	358	
141	C067	1100	29 13.96	-079 35.19		11.6	358	
141	C068	1200	29 27.88	79 34.34		11.4	358	
141	C069	1310	29 39.79	-79 32.42		10.7	359	
141	C070	1400	29 48.57	-79 32.42		10.2	357	
141	C071	1500	29 58.70	-79 32.76		10.1	357	
141	C072	1600	30 08.77	-79 33.26		10.3	355	
141	C073	1700	30 19.15	-79 33.70		10.3	358	
141	C074	1800	30 29.92	-79 33.92		10.9	369	
141	C075	1900	30 40.91	-79 33.99		9.7	358	
141	C076	2000	30 50.72	-79 33.54		9.9	000	
141	C077	2100	31 00.39	-79 33.22		9.0	002	
141	C/S	2115	31 07.36	79 33.15		7.6		C/S 12 Knot
141	C/S	2200	31 07.36 N	79 33.15 W		7.6	002	C/S → 0420
141	C079	2300	31 12.99	79 25.88		7.9	054	C/S → 057
141	C080	2350	31 16.83	79 19.53		7.7	057	
142	<del>C081</del>	<del>0100</del>	no reading			7.6	058	
142	C081	0230	31 26.71	78 58.50		7.5	060	
142	C082	0300	31 28.54	78 54.01		7.6	058	
142	C083	0400	31 31.35	78 46.00		8.0	054	
142	C084	0500	31 30.28	78 38.60		7.3	046	



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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	
142	C085	0600	31 41.38	-078 23.30		07.1	045	steering 004
142	C086	0700	31 47.00	-078 28.40		06.7	036	
142	C087	0800	31 52.76	-078 23.91		07.0	034	steering 015
142	C088	0900	31 59.68	-078 19.07		8.4	3.1	steering 25
142	C089	1000	32 07.34	-078 11.84		11	44°	
142	C090	1100	32 15.09	-078 02.33		11	44°	
142	C091	1200	32 22.44	-077 54.84		10.7	45°	
142	C092	1310	32 31.50	-77 42.27		11.0	44°	
142	C093	1400	32 37.68	-77 34.28		10.7	43°	
142	C094	1500	32 40.33	-077 25.13		8.3	121°	
142	C/C	1454				8.5	135°	C/C C/S ANTENNA WORK
142	C095	1600	32 36.96	-077 17.38		6.2	145°	
142	C/C	1645				7.4	027°E	C/C C/S RESUME 800/2
142	C096	1700	32 38.59	-077 09.69		7.2	358 stored	027° true
142	C097	1800	32 45.22	-077 06.19		7.2	027°E	steering 000
142	C/S	1825				8.1	027	C/S J 900/2 8.1 KT
142	C/S	1845				9.3	020 true	C/S 1000/2
142	C098	1900	32 52.58	-77 02.71		9.3	023 E true	358 stored
142	C099	2010?	33 04.32	-76 57.23		10.1	018 true	014 "
142	C100	2100	33 11.10	-76 54.53				
142	C/C	2107				10.0	046° stored	/ 98 06 C/C
142	C101	2200	33 18.24	-76 45.84		10.5	045.05	
142	C102	2300	33 25.68	-76 36.70		11.4	045	
143	C103	0005	33 34.14	-76 26.53		12.2	047 actual	
143	C104	0105	33 42.54	-76 15.52		12.7	047	



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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	
143	C105	0205	33 51.27	-076 04.23		13.0	047	
143	C106	0305	33 56.03	-075 50.97		13.0	046	
143	C107	0400	34 03.15	-075 41.27		12.1	040	
143	C108	0500	34 11.24	-075 31.78		12.1	041	
143	C109	0600	34 19.53	-075 22.90		11.4	041	
143	C110	0700	34 27.89	-075 14.14		10.9	046	
143	C111	0800	34 36.76	-075 04.30		12.6	046	
X 143	C112	0900	34 46.21	-074 53.37		11.7	044	
X 143	C113	1000	34 56.78	-074 40.78		17.9	044	BAD READINGS
X 143	C114	1100	35 09.93	-74 24.55				
X 143	C115	1200	34 56.90	-74 55.26		30.2		
X 143	C116	1300	35 20.65	-74 33.78				
143	C117	1400	35 30.92	-74 28.29		9.7	008°	
143	C118	1500	35 39.19	-74 24.54		8.8	000°	
X 143	C119	1605	35 47.91	-74 22.13		8.2	011°	
143	C120	1700	35 55.35	-74 20.15		8.1	019°	
143	C121	1800	36 03.26	-74 17.36		8.4	017°	
143	C122	1900	36 11.32	-74 14.40		8.5	016°	
143	C123	2000	36° 19.53' N	74° 11.38' W		8.7	015°	
143	C124	2100	36° 27.91' N	74° 08.34' W		8.2	160	
143	C125	2200	36° 35.41' N	74° 05.75' W		8.1	180	
	C/S	2235						DEAD SLOW TO TEST GUNS
	C/S	2245						RESUME 1000/R
	C/S	2306						DEAD SLOW FOR GUN TEST
143	C126	2310	36 43.51	-74 02.67		4.1	004	



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	
143	C127	0000	36° 46.66	74° 01.33			160	DEAD SLOW
145	C128	0200	37° 31.51	73° 38.28		3.9	216	BEGIN NAVIGATION FOR L500
	c/c d/s	0204						c/s c/c 70012 BEGIN SLOW TURN TO 315°
145	C129	0230	37° 32.69 N	73° 40.76 W		5.0	310	
145	C130	0300	37° 34.50 N	73° 43.05 W		5.1	305	
	c/c	0303						BEGIN SLOW TURN TO 360
145	C131	0330	37° 36.87 N	73° 44.17 W		5.2	357	
	c/c	0342						BEGIN SLOW TURN TO 030
145	C131	0345	37° 38.16 N	73° 44.20 W		5.1	020	
145	C132	0400	37° 39.28 N	073° 43.53 W		4.9	030	
145	C133	0430	37° 41.30 N	73° 41.75 W		4.8	034°	
145	C134	0500	37° 43.23 N	73° 39.88 W		4.6	037°	FIRST SHOTPOINT
145	C135	0530	37° 45.27 N	73° 37.77 W		5.1	031°	
145	C136	0600	37° 47.41 N	73° 35.77 W		5.5	029°	
145	C137	0630	37° 49.62 N	73° 33.87 W		5.2	031°	
145	C138	0700	37° 51.76 N	73° 31.96 W		5.2	031°	
145	C139	0730	37° 53.90 N	73° 29.91 W		5.4	033°	
145	C140	0800	37° 56.01 N	73° 27.84 W		5.4	033°	
145	C141	0830	37° 57.54 N	73 26.28 W		3.7	032	DEAD SLOW to repair gun
145	C142	0900	37 59.23 N	73 24.53 W		4.8	028	c/s Back to 4.8 Kts
145	C143	0930	38 01.26 N	73 22.67 W		5.0	031	
145	C144	1000	38 03.32 N	73 20.75 W		5.1	033	
145	C145	1030	38 05.37 N	73 18.90 W		4.9	032	

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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	
145	C146	1100	38 07.45 N	73 16.98 W		5.1	036	
145	C147	1130	38 09.53 N	73 15.02 W		5.1	033	
145	C148	1200	38 11.50 N	73 13.09 W				
145	C149	1230	38 13.50	73 11.06		4.9	030	
145	C/S	1244						dead slow 1/2; gun in
145	C/S	1255						Resume speed
145	C150	1300	38 15.29	73 09.88		4.8	030	
145	C151	1330	38 17.19	73 07.47		4.6	030	
145	C152	1400	38 19.12	73 05.84		4.7	032	
145	C153	1430	38 21.09	73 04.03		4.9	037	
145	C154	1500	38 22.97	73 02.03		4.9	037	
145	C155	1530	38 24.91	73 00.05		4.9	038	
145	C156	1600	38° 26.90 N	72° 57.99 W			035°	
145	C157	1630	38° 28.92 N	72° 55.95 W		5.1	035°	
145	C158	1700	38° 30.92 N	72° 53.87 W		5.1	034°	
145	C159	1730	38° 33.02 N	72° 51.87 W		5.2	033°	
	C/S	1730						C/S DEAD SLOW
	C/S	1745						C/S BACK TO SKTS
145	C160	1800	38° 34.79 N	72° 50.29 W		4.4	034°	
	C/S	1810						C/S DEAD SLOW
	C/S	1817						C/S BACK TO SKTS
145	C161	1830	38° 36.71 N	72° 48.51 W		5.2	036°	
145	C162	1900	38° 38.86 N	72° 46.54 W		5.6	037°	
145	C163	1930	38° 41.16 N	72° 44.49 W		5.7	037°	
145	C164	2000	38° 43.40 N	72° 42.41 W			037°	

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01	S 001	0000	+01 00.001	-001 00.001	20	00.1	001	
145	C165	2030	38 45.60 N	72 40.43 W		5.3	039	
145	C166	2100	38 47.78 N	72 38.39 W		5.5	036	
145	C167	2130	38 50.03 N	72 36.20 W		5.6	041	
145	C168	2200	38 52.20 N	72 33.97 W		5.3	039°	
145	C169	2230	38 54.65 N	72 31.54 W		5.2	035	
145	C170	2300	38 56.27 N	72 29.94 W		3.7	035	
	C/S	2252				DS		DEAD SLOW TO C/S
	C/S	2308				5.0 kt		PUT GUN #4 IN C/S
145	C171	2330	38 58.20	72 28.00		5.4	034	
146	C172	0000	39 00.34 N	72 25.89 W		5.3	033°	
146	C173	0030	39 02.39	72 23.87		5.0	032	
146	C174	0100	39 04.45	72 21.96		5.2	032	
146	C175	0130	39 06.60	72 20.05		5.2	034	
146	C176	0200	39 08.80	72 18.13		5.3	032	
146	C177	0230	39 10.95	72 16.15		5.1	032	
146	C178	0300	39 13.11	72 14.18		5.3	032	
146	C179	0330	39 15.24	72 12.17		5.2	035	
146	C180	0400	39° 17.39 N	72° 10.34 W		4.9	034°	
146	C181	0430	39° 19.36 N	72° 08.53 W		4.7	034°	
	C/C, C/S	0440						1/2 TO 040 TO CORRECT DRIFT
146	C182	0500	39° 21.33 N	72° 06.51 W		5.2	040°	
146	C183	0530	39° 23.45 N	72° 04.26 W		5.3	040°	
146	C184	0600	39° 25.57 N	72° 01.95 W		5.4	040°	
146	C185	0630	39° 27.69 N	71° 59.74 W		5.4	035°	
	C/C	0605						BACK ON LINE - 1/2 037°

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