

LORAN LOG

Cruise I.D. 1616-2Year 1953Leg No. 2TZ 2

LORAN C

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	SSS-2 ST. #1	SSS-W ST. #2	COMMENTS	WATCH I.D.
	24	0000	25	39.1	-88	47.0	1	69154.98	11939.50		JLW
		0019						69157.88	11941.43		"
		0031	25	39.9	-88	43.9	2	69160.05	11942.80		"
		0045						69162.30	11944.25		"
		0100	25	41.9	-88	41.9	3	69164.89	11945.55		"
		0130	25	43.8	-88	38.6	4	69170.70	11948.26		"
		0200	25	45.0	-88	36.9	5	69176.85	11949.47		"
		0230						69183.79	11950.18		RTB
		0300	25	47.8	-88	31.1	6	69190.72	11950.50		"
		0330						69197.40	11950.85		"
		0400	25	51.2	-88	25.7	7	69204.15	11951.75		"
		0430						69210.90	11953.21		"
		0500	25	54.0	-88	21.2	8	69217.67	11954.30		"
		0530						69224.71	11955.48		"
		0600	25	55.9	-88	18.2	9	69232.34	11956.18		"
		0700	26	00.0	-88	10.9	10	69247.93	11957.74		CO
		0707						69249.38	11957.71		"
		0800	26	03.2	-88	04.5	11	69263.01	11959.19		"
		0900	26	06.3	-87	59.1	12	69278.21	11960.67		"
		1000	26	08.4	-87	43.7	13	69293.82	11961.98		"
		1030						69301.60	11963.03		"

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Cruise I.D. IG 16-2Year 1976Leg No. 2TZ ±6

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	24	1100	26	12.4	-87	47.7	14	69309.64	11964.11	1127Z c/c 045° 6.0KTS	SA
1	24	1130						69317.27	11964.92		
1	24	1200	26	16.0	-87	42.1	15	69324.01	11967.84		
1	24	1230	26	16.4	-87	42.2	16	69351.90	11970.75		
1	24	1300	26	21.1	-87	36.5	17	69336.60	11972.95	1324Z c/c 040° 6 Kts	
1	24	1330						69342.02	11976.37		
1	24	1400	26	24.1	-87	33.0	18	69346.40	11980.64		RTB
1	24	1500	26	29.8	-87	28.8	19	69356.00	11988.44		"
1	24	1530						69360.10	11993.60	c/c 047°	"
1	24	1600	26	32.1	-87	24.2	20	69365.20	11997.46		"
1	24	1630						69370.00	12001.40		"
		1648								c/c 050	"
1	24	1700	26	36.1	-87	20.1	21	69374.80	12005.80		"
		1730						69380.00	12009.60		"
		1800	26	40.0	-87	16.0	22	69385.58	12013.44		"
1	24	1830	26	42.0	-87	13.9	23	69391.20	12017.42		CO
		1902	26	44.0	-87	11.2	24	69397.32	12021.61		"
		1930	26	46.2	-87	08.3	25	69403.47	12025.11		"
		2000	26	47.8	-87	06.1	26	69410.94	12027.87		"
		2030	26	49.5	-87	03.2	27	69419.30	12030.39		"
		2100	26	51.0	-87	01.0	28	69427.54	12032.80		"

Take down every 1/2 hr plot every hr.

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Cruise I.D. IG 16-2

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	24	1930 2130	26	53.0	-86	58.1	29	12035.20	69435.92	c/c 055°	CO
		2200	26	54.7	-86	55.0	30	12037.20	69444.97		"
1	24	2230	26	56.5	-86	51.5	31	12039.20	69454.51		SA
1	24	2300	26	58.1	-86	47.8	32	12041.21	69463.45		"
1	24	2330	26	59.5	-86	46.0	33	12043.15	69473.12		"
1	25	0000	27	01.0	-86	43.5	34	12046.55	69481.39		"
1	25	0030	27	03.45	-86	39.46	35	12051.01	69491.10		
1	25	0100	27	05.00	-86	37.70	36	12054.65	69497.28		
1	25	0130	27	07.3	-86	34.75	37	12058.70	69504.66		
		0200	27	9.0	-86	32.6	38	12063.48	69512.49		
		0230	27	11.5	-86	29.4	39	12067.99	69520.05		
		0300	27	13.5	-86	26.7	40	69527.84	12072.72		
		0330	27	15.5	-86	24.0	41	69536.01	12077.10		
		0400	27	17.6	-86	21.2	42	69543.76	12081.48		
		0430	27	19.4	-86	18.4	43	69551.78	12085.89		
		0500	27	21.0	-86	15.7	44	69561.	12089.		
		0530	27	23.1	-86	13.4	45	69567.00	12094.51		
		0606	27	25.4	-86	10.08	46	69574.15	12101.87		CO
1	25	0630	27	26.9	-86	09.3	47	69578.91	12106.50		"
		0705	27	29.3	-86	07.2	48	69585.80	12112.70		"
		0730	27	30.6	-86	05.4	49	69589.39	12116.40		"

0656

c/c 050° c/s 600 TS 9.0 kts

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Cruise I.D. IG16-2 Year 1976Leg No. 2 TZ +6

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	25	0802	27	32.3	-86	03.5	50	69594.18	12121.35		CO
		0830	27	33.5	-86	02.2	51	69597.85	12125.63		"
		0842								c/c 055°	CO
		0900	27	35.0	-86	00.0	52	69603.09	12129.41		"
		0910								c/c 060°	CO
		0915								ST. on 060°	"
		0930	27	36.3	-85	58.3	53	69609.30	12132.20		"
1	25	1000	27	37.0	-85	56.7	54	69615.75	12134.17		SA
1	25	1030	27	38.5	-85	54.8	55	69621.68	12137.06		"
1	25	1100	27	39.45	-85	53.45	56	69626.95	12140.18		"
1	25	1130	27	40.05	-85	51.5	57	69632.32	12143.42		"
1	25	1200	27	42.0	-85	49.6	58	69637.88	12146.86		"
1	25	1230	27	43.0	-85	48.2	59	69643.42	12149.80		"
		1234								c/c 055°	"
1	25	1300	27	44.3	-85	46.4	60	69649.43	12153.15		"
1	25	1337	27	45.5	-85	44.0	61	69656.72	12156.88		"
1	25	1400	27	46.5	-85	42.7	62	69661.30	12159.10	c/c 325°	JLW
		1430	27	48.0	-85	43.2	63	69655.80	12169.15		"
		1500								lost signal	RTB
		1530	27	51.8	-85	45.0	64	69641.40	12191.69		"
		1600	27	54.2	-85	45.9	65	69633.39	12203.08		"

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Cruise I.D. 16-16-2 Year '76
 Leg No. IG-16-2 TZ 6

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
76	1	25	1615					69 625.35	12208.73	c/c 225°	RTB
			1630	27	54.8	-85	47.4	66	↓	↓	
			1645	27	54.4	-85	48.2	67	69622.5	12208.2	
			1700	27	54.0	-85	48.9	68	69619.28	12207.25	
			1730	27	53.2	-85	50.6	69	69612.80	12205.16	
			1740							c/c 215	
			1800	27	52.3	-85	52.3	70	69607.45	12202.48	
1	25	1830	27	51.0	-85	54.0	71	69603.20	12198.96		CO
			1900	27	50.0	-85	55.2	72	69599.13	12195.06	"
			1930	27	48.3	-85	56.6	73	69595.47	12190.68	"
			2000	27	47.1	-85	59.1	74	69591.23	12186.94	"
1	25	2030	27	46.1	-85	59.5	75	69587.60	12183.36		"
			2100	27	45.1	-86	00.06	76	69583.70	12179.80	"
			2115		might have been taken too soon.					c/c 220°	CO
			2130	27	44.0	-86	01.8	77	69579.37	12176.74	"
1	25	2230	27	42.2	-86	04.8	78	69569.15	12171.2		SA
1	25	2300	27	40.7	-86	06.8	79	69564.15	12167.74		"
1	25	2330	27	39.5	-86	08.5	80	69558.80	12163.96		"
1	26	0000	27	38.5	-86	10.0	81	69554.81	12160.71	c/c 320°	"
1	26	0030	27	40.0	-86	11.0	82	69547.33	12169.84		"
1	26	0100	27	41.7	-86	12.0	83	69539.05	12180.17		"

LORAN LOG

Cruise I.D. 1G-16-2 Year '76Leg No. 1G-16-2 TZ 6

Jan 26, '76

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	26	0110								c/c 305°	SA
1	26	0135	27	43.4	-86	14.2	84	69526.35	12191.82		"
		0205	27	44.8	-86	15.8	85	69516.17	12207.00	0210 c/c 055	RTB
		0230	27	45.9	-86	15.8	86	69513.9	12207.16		
		0300	27	47.3	-86	13.9	87	69520.10	12209.98		
		0330	27	48.3	-86	12.2	88	69526.34	12213.13		
		0400	27	49.8	-86	10.0	89	69532.2	12216.7		
		0430	27	50.7	-86	9.5	90	69537.45	12220.59		
1	26	0500	27	52.0	-86	6.7	91	69542.9	12223.7		
		0530	27	53.2	-86	5.0	92	69548.18	12227.29		
		0600	27	54.4	-86	03.3	93	69552.73	12230.98		Y
1	26	0630	27	55.8	-86	01.9	94	69557.20	12235.29		JLW
		0700	27	56.9	-86	00.05	95	69562.16	12239.01		CO
1	26	0730	27	57.7	-85	58.8	96	69567.26	12242.71		"
		0800	27	59.2	-85	57.2	97	69572.30	12246.51		"
		0815								c/c 315°	"
		0827								ST on 315°	"
		0830	28	00.08	-85	56.6	98	69573.00	12253.23		"
		0900	28	02.4	-85	57.7	99	69563.47	12264.20		"
		0911								c/c 310°	"
1	26	0930	28	04.3	-85	59.0	100	69553.40	12275.21		"

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Cruise I.D. IG 16-2 Year 1976
 Leg No. 2 TZ +6

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	26	0940	28	04.6	-85	59.6	101	69550.00	12278.91		CO
1	26	1000	28	05.8	-86	00.06	102	69543.01	12286.33		"
1	26	1030	28	07.7	-86	02.2	103	69532.11	12296.91	c/c 240°	SA
1	26	1100	28	07.4	-86	04.5	104	69522.59	12298.88		"
1	26	1130					—			station lost; slew light on	"
1	26	1200	28	06.6	-86	08.6	105	69505.06	12301.46		"
1	26	1212					—			c/c 210°	"
1	26	1230	28	05.8	-86	10.5	106	69499.30	12299.83		"
1	26	1302	28	04.4	-86	11.8	107	69495.13	12294.50		"
1	26	1330	28	03.3	-86	13.4	108	69491.53	12290.60		"
1	26	1400	28	02.4	-86	14.3	109	69487.62	12286.85		
1	26	1430	28	01.2	-86	15.9	110	69483.06	12283.40		
1	26	1500	28	00.3	-86	17.4	111	69478.6	12279.47		
1	26	1530	27	58.8	-86	18.9	112	69474.04	12275.18		
1	26	1600	27	57.2	-86	21.1	113	69469.4	12270.5		RTB
1	26	1630	27	55.9	-86	22.4	114	69465.5	12265.85		
1	26	1700	27	54.4	-86	23.7	115	69461.6	12260.6		
1	26	1730	27	53.3	-86	25.1	116	69458.1	12255.3		
1	26	1800	27	54.1	-86	26.6	117	69448.80	12262.77		
		1818	27	54.4	-86	30.02	118	69439.00	12268.08	Signal broke off Recovered - displaced?	
		1830	27	54.3	-86	29.4	119	69436.45	12268.87		

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Cruise I.D. IT-16-2 Year 1976
 Leg No. 2 TZ +6

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	26	1900	27	55.3	-86	27.3	120	69444.52	12269.37	1402 c/c 135+	J24
1	26	1930	27	54.1	-86	25.6	121	69454.26	12261.11		JLW
1	26	2000	27	52.6	-86	24.0	122	69463.70	12251.24		CO
		2030	27	50.9	-86	22.3	123	69474.41	12241.44		"
		2100	27	49.3	-86	21.0	124	69485.30	12231.16		"
		2130	27	47.8	-86	19.0	125	69496.66	12220.95		"
		2200	27	46.3	-86	16.8	126	69508.44	12210.00		"
		2202								c/s 600 Turns	"
		2230	27	45.0	-86	15.4	127	69518.38	12200.41		SA
1	26	2300	27	43.40	-86	13.5	128	69528.82	12190.07		
		2330	27	41.9	-86	12.5	129	69537.34	12181.06		
1	27	0000								lost station; slew light on	
1	27	0006	27	40.1	-86	10.5	130	69548.30	12168.74		
1	27	0030	27	38.7	-86	09.2	131	69555.60	12160.96		
1	27	0032								c/c 130°	
1	27	0100	27	37.0	-86	08.3	132	69564.13	12151.34		
1	27	0102								c/c 120	
1	27	0130	27	35.6	-86	06.4	133	69574.44	12142.27		
1	27	0200	27	34.55	-86	04.7	134	69584.21	12133.72		
		0230	27	33.2	-86	3.3	135	69594.10	12124.96		
		0300		32.0	-86	1.4	136	69603.67	12116.56		

LORAN LOG

Cruise I.D. IG-16-2 Year 1976

Leg No. 16-16-2 TZ +6

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	27	0330	27	32.8	-85	59.6	137	69610.93	12116.45		RTB
		0400	27	33.4	-85	57.6	138	69618.6	12116.73	C/C 050	
		0430	27	34.3	-85	55.8	139	69624.9	12118.91	C/C 040 - 0420	
										0435 C/C 035	
		0500	27	35.8	-85	54.0	140	69629.8	12123.0		
		0530	27	37.4	-85	52.2	141	69634.75	12127.67	C/C 330°	
		0545	27	38.2	-85	52.3	142	69633.35	12132.10		
		0600	27	38.9	-85	52.6	143	69630.4	12136.74		
		0600								C/C 315°	
1	27	0630	27	40.1	-85	53.9	144	69621.5	12147.02		
		0632								C/C 310°	
		0700	27	42.3	-85	55.5	145	69611.32	12157.59		CO
		0730	27	43.2	-85	57.8	146	69601.20	12167.91		"
		0745	27	44.6	-85	58.3	147	69595.64	12173.21		"
1	27	0800	27	45.5	-85	59.0	148	69590.21	12178.67		"
		0830	27	46.8	-86	00.06	149	69579.12	12189.50		"
		0900	27	48.7	-86	02.6	150	69568.33	12200.41		"
		0930								C/S 600 Ts a piece	"
		0930	27	49.6	-86	04.3	151	69558.17	12208.80	at 0935 when this fix was plotted - gyro went off -	"
		0945	27		-86		152	69553.40	12212.27	Could this be why fix was off?	"
		1000	27	50.08	-86	06.3	153	69548.60	12216.23		"

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Cruise I.D. IG 16-2Year 1976

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	27	1005								c/c 315°	CO
1	27	1035	27	51.8	-86	07.9	154	695 37.31	122 25.31		S.A
1	27	1100	27	53.0	-86	09.1	155	695 30.10	122 32.09		"
1	27	1115								c/c 320°	"
1	27	1130	27	54.0	-86	10.75	156	69521.40	122 39.70		GP
1	27	1202	27	55.4	-86	12.4	157	695 11.20	122 48.15		SA
1	27	1210								c/c 330°	"
1	27	1230	27	56.5	-86	13.6	158	695.03.44	122 56.40		"
1	27	1246								c/s 650 Ts	"
1	27	1303	27	58.30	-86	14.75	159	69494.92	12266.54		
1	27	1330	27	59.50	-86	15.5	160	694 88.60	122 74.09		
		1354								1/s 260 T	
		1400	28	0.7	-86	16.5	161	69481.97	12281.82		
		1430	28	2.0	-86	17.4	162	69474.42	12290.68		
		1500		—				69467	12196	Lost signal	
		1510	28	4.0	-86	17.6	163	69469.87	12300.7		
		1530	28	5.0	-86	16.3	164	69 474.37	12302.9		
		1600	28	5.9	-86	14.8	165	69 480.68	12305.29		
		1630	28	6.6	-86	12.8	166	69486.62	123 0813		
		1700	28	8.0	-86	10.7	167	69493.3	12310.75	c/c 130	
		1730	28	6.7	-86	9.0	168	69502.98	12302.69		

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 Leg No. 2 TZ +6

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MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	27	1800	28	05.0	-86	07.6	169	69512.50	12291.90		
		1810								c/c 125°	
1	27	1837	28	02.9	-86	05.5	170	69526.16	12277.84		CO
		1900	28	01.8	-86	04.5	171	69533.97	12270.01		"
		1906								c/c 120°	"
		1930	28	00.03	-86	02.3	172	69544.12	12260.74		"
		2000	27	59.0	-86	00.09	173	6954.44	12251.34		"
		2030	27	57.6	-85	59.4	174	69564.81	12241.80		"
1	27	2100	27	56.1	-85	57.6	175	69575.10	12231.70		"
		2130	27	54.8	-85	56.2	176	69585.68	12221.16		"
		2200	27	52.9	-85	54.8	177	69595.94	12210.59		"
		2203								c/c 110	"
1	27	2230	27	51.5	-85	52.6	178	69607.40	12199.84		
1	27	2300	27	50.5	-85	51.1	179	69617.17	12190.50		
1	27	2307								c/c 105	
		2335		48.2		49.1	180	69629.	12178.		
1	28	0000	27	47.60	-85	46.6	181	69637.60	12171.30		
										0022 c/c 040°	
1	28	0030	27	46.15	-85	46.7	182	69647.19	12163.58		
		0100	27	47.3	-85	43.7	183	69655.56	12165.36		
		0130	27	48.0	-85	41.9	184	69662.36	12168.90		

LORAN LOG

Cruise I.D. 16-16-2 Year 1976
 Leg No. 2 TZ +6

(12)

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
1	28	0200	27	49.40	-85	39.50	185	69669.53	12174.75		RTB
		0230	27	51.7	-85	37.6	186	69674.63	12179.30		
		0300	27	53.2	-85	35.9	187	69680.9	12185.35		
		0330	27	55.0	-85	33.2	188	69688.3	12190.08		
		0400	27	56.1	-85	31.2	189	69696.35	12194.41		
		0430	27	58.1	-85	28.8	190	69702.73	12200.32		
		0500	28	00	-85	27.2	191	69708.5	12207.5		
		0530	28	01.9	-85	24.8	192	69715.79	12213.46		
		0600	28	03.3	-85	23.1	193	69721.9	12220.46		
		0630	28	05.2	-85	20.9	194	69729.55	12225.68		
		0700	28	07.0	-85	18.3	195	69737.86	12230.18		
1	28	0730	28	07.9	-85	16.0	196	69746.90	12234.69		CO
		0800	28	09.5	-85	13.1	197	69755.24	12240.05		"
		0830	28	11.5	-85	10.5	198	69764.03	12245.26		"
		0900	28	12.4	-85	09.0	199	69772.74	12250.44		"
		0930	28	14.4	-85	05.9	200	69782.24	12255.77		"
		0935								ck 040°	"
		0940								c/s 950T's	"
		1000	28	16.2	-85	02.5	201	69792.35	12261.75		"
		1030	28	18.0	-85	00.01	202	69801.70	12269.76		
1	28	1100	28	20.08	-84	57.70	203	69810.00	12279.14		

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[illegible]