

LORAN LOG

Cruise I.D. IG-15-3 Year '75

Leg No. Bermuda-Aruba TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
June	11	1700Z						38404.49	71803.60		NOJ.
		1730						38397.29	71807.10	Steering 140° · Speed 9.25 kts.	NOJ.
		1800						38391.52	71812.10		
		1830						38386.92	71816.91		B.S.
		1900						38380.78	71821.47		NOJ.
		1934Z						38373.25	71826.63		ART
		2000Z						38367.23	71830.26		ART
		2030Z						38359.94	71834.97		ART
		2100Z						38353.08	71839.19		ART
		2132						38345.70	71843.90	course change to 130°	
		2200Z						38335.80	71847.00	130	ART
		2230Z						38324.71	71850.64		ART
		2300						38307.56	71854.29		
		2330						38294.86	71856.30	change course to 125°	
		2360						38272.59	71857.46		KV
JUN	12	0030						38251.10	71859.09		KV
		0100						38231.57	71860.47		KV
		0133						38209.59	71862.15		KV
		0206						38192.10	71864.05		KV
		0231						38172.10	71865.85		KV
		0315						38145.25	71867.17	fix since 0018Z	NOJ.

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Cruise I.D. IG-15-3 Year 75

Leg No. Bermuda Area TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1 <u>X</u>	ST. #2 <u>Z</u>	COMMENTS	WATCH I.D.
June	12	0330Z						38136.60	71869.10		DCJ
	12	0400Z						38119.48	71871.41		DCJ
	12	0430Z						38102.81	71872.51		DCJ
	12	0500Z						38085.80	71877.00	Some scatter in readout	DCJ
	12	0530						38069.50	71878.40	Scatter $\pm .50$	DCJ
	12	0600						38052.50	71881.15	Scatter $\pm .25$ NOT LOCKED	DCJ
	12	0630						38036.80	71883.30	" $\pm .20$	DCJ
	12	0700						38019.00	71884.80	" $\pm .20$	DCJ
	12	0730								✓	
	12	0800						37995.30	71932.83		GRP
	12	0830						37978.57	71935.08		ART
	12	0900						37962.30	71936.81		ART
	12	0930						37936.83	71914.12		GRP
	12	1000						37924.33	71911.01		GRP
	12	1030						37911.57	71910.79		ART
	12	1100						37899.60	71912.00	c/c 135 @ 1125	KV
	12	1137						37886.40	71914.26		KV
	12	1200						37880.39	71916.24		KV
	12	1230						37871.06	71918.28		KV
	12	1300						37862.01	71920.63		KV
		1332						37862.79	71955.04	↓ unreasonable	

LORAN LOG

Cruise I.D. I6 15-3Year 1975Leg No. Bermuda-ArubaTZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
June	12	1400						37854.50	71957.28	unreasonable ?	KV
	12	1432						37845.29	71959.20		KV
	12	1500						37838.20	71961.90		NGJ.
	12	1530						37828.79	71964.15		NGJ.
	12	1600						37817.83	71967.75		NGJ.
	12	1630						37807.06	71970.50		NGJ.
	12	1700						37792.50	71972.64		NGJ.
	12	1730						37782.94	71972.30		NGJ.
								Change Channels			
								X	W		
	12	1830						37765.00	14321.20		BS
										Streaming cable }	
June	13	0630Z						37693.33	14248.90		NGJ.
		0700Z						37693.90	14244.10		NGJ
		0730Z						37694.81	14239.40		ART
		0800Z								missed	ART
		0830Z						37695.11	14229.52		ART
		0900Z						37694.68	14224.87		ART
		0930Z						37693.99	14220.99		ART
		1000Z						37692.67	14216.51		

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Cruise I.D. IG15-3 Year 75

Leg No. Bermuda-Amba TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
JUNE	13	1030						37690.77	14212.48		RRT
	13	1100						37688.75	14208.90		RRT
	13	1130						37686.90	14205.08		Kate
	13	1200						37685.06	14201.37		Kate
		1230						37682.62	14198.20		Kate
		1330						37674.82	14193.49	c/c 090 @ 1322	Kate
		1400						37663.42	14194.33		Kate
		1430						37651.10	14194.98		Kate
June	13	1530						37657.80	14188.99	c/c to 215 at 1457	NGT
	13	1600						37678.42	14182.08	Profiling	NGT
	13	1630						37697.92	14175.40		NGT
	13	1700						37717.90	14168.41		NGT
	13	1730						37737.02	14161.92	C 215 6 kts	NGT
	13	1800						37755.87	14155.81	" "	NGT
	13	1830						37773.96	14149.53	" "	BS
	13	1900						37793.40	14142.90	" "	RRT
	13	1930									
	13	2000									
	13	2030						37853.76	14123.50		BRP
	13	2100						37872.26	14117.53		BRP
	13	2130						37893.00	14110.80		BRP

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Cruise I.D. IG-18-3 Year '78Leg No. Bermuda-Ramsey TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
	13	2200						37912.03	14104.46		SRP
	13	2230						37931.46	14098.20		ART
	13	2300						37948.30	14092.50		SRP
										C/G to 210° @ 2345	Katie
JUNE	14	0030						38065.00	14071.37		Katie
	"	0200						3854.80	14050.25		Katie
	"	0230						38072.70	14042.90		W
	"	0330								Out of sync (?)	DAF.
	"	0351						38128.30	14023.50	OK.	DAF.
	"	0400						38133.52	14021.27		DAF.
	"	0430						38151.50	14014.00		DAF.
	"	0500Z						38167.90	14007.70	Noisy $\pm .25$	DAF.
	"	0532Z						38185.51	13999.55	" $\pm .25$	DAF.
	"	0603Z						38203.20	13992.12	" $\pm .25$	DAF.
		0631Z						38221.10	13984.80		DAF.
		0700Z								LOST LOCK	
		0730Z						38257.60	13966.72		ART
		0800Z						38277.50	13951.89		SRP
		0830Z						38297.40	13944.00		ART
		0930						38337.00	13927.88		SRP

Cruise I.D. IG-15-3 Year '78
Leg No. Bermuda-Aruba TZ

Cruise I.D. IG-15-3
Leg No. Bermuda-Aruba

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[illegible]

LORAN LOG

Cruise I.D. IG15-3 Year 1978
 Leg No. Bermuda - Aruba TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
JUNE	14							550 X	550 W		
		2130Z						38522.14	13806.35		ART
		2200Z						38532.36	13798.63	c/c 055° 2211	
		2300Z						38507.08	13802.19		
		2330Z						38484.45	13808.75		KV
JUNE	15	0000						38461.63	13815.07		KV
"	"	0032						38439.09	13821.78		KV
"	"	0101						38417.43	13828.40		KV
"	"	0131						38395.26	13835.08		KV
"	"	0200						38374.26	13841.48		KV
"	"	0230						38352.90	13847.90		KV
"	"	0303								c/c 160°	NAJ
		0310								Steady on 160°	
		0330						38329.42	13850.02	C 160°	NAJ
		0407						38333.20	13841.20	"	NAJ
		0430						38335.04	13836.90	"	NAJ
		0500						38336.88	13830.23	"	NAJ
		0530						38339.15	13823.40	C 160°, 5.7 kts	NAJ
		0600						38340.25	13817.26		NAJ
JUNE	15	0630						38341.40	13811.10		NAJ
	15	0700						38343.49	13804.92		

Cruise I.D. TG15-3 Year '78
Leg No. Bermuda - Amber TZ

Cruise I.D. TG15-3 Year 78
Leg No. Bermuda - Azores TZ

Leg No. Bermuda - Aruba TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
JUNE	15	0730						383 45.80	138 07.97		
JUNE	15	0800						383 48.53	138 01.80		
JUNE	15	0830						383 50.77	137 85.84		
	15	0900						383 53.25	137 79.33		
JUNE	15	0930						383 56.09	137 71.61		A.R.T.
JUNE	15	1000						383 84.66	137 58.48		BRP
	15	1030						LOST LOCK			BRP
JUNE	15	1100						384 03.27	137 62.54		BRP
		1335						384 12.89	135 4.11		W
June	15	1420						384 16.61	137 53.60		NAJ
	"	1422								Co 310 10 kts	NAJ
	"	1430						384 22.60	137 55.57	" "	W
"	"	1516Z						384 56.10	137 73.32	" "	NAJ
"	15	1530Z						384 62.90	137 75.73	" "	NAJ
"	15	1600Z						384 79.63	137 81.05	" "	NAJ
"	15	1631Z						384 95.80	137 86.00	" "	NAJ
"	15	1700Z						385 09.60	137 90.86	" "	NAJ
"	15	1730Z						385 24.23	137 96.29	" "	NAJ
"	15	1800Z						385 28.86	137 91.90	" "	NAJ
"	15	1830Z						385 43.30	137 97.80	" "	NAJ
		1849Z								c/c to 270°	NAJ

LORAN LOG

Cruise I.D. TG15-3 Year '78
 Leg No. Bermuda Ambra TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
JUNE	15	1900Z						38562.40	1380054		
JUNE	15	1930Z						38596.38	13797.10		
JUNE	15	2000Z						38623.18	13793.70		
JUNE	15	2030						38637.55	13780.20		
JUNE	15	2100						38652.73	13766.54		
JUNE	15	2130						38666.00	13753.79		
JUNE	15	2200						38678.20	13742.00		
JUNE	15	2230						38690.20	13732.80		
JUNE	15	2300						38704.27	13717.35	2200 y/c 180°	
JUNE	16	0000						38733.83	13699.51		
	16	0030						38748.90	13679.37		
	16	0100						38764.50	13665.77		
		0130						38780.80	13652.43		
		0210						38806.12	13635.66		
June	16	0300						38824.10	13614.12	Co 180° 10 kts.	NAF.
"	"	0330						38838.91	13601.60		NAF.
"	"	0400						38851.59	13599.20	24°43' 62°11'N	NAF.
"	"	0430Z						38865.60	13586.30		NAF.
		0500Z						38878.64	13573.62		NAF.
		0530Z						38891.44	13561.30	Nowing 24°29' 62°13'	NAF.
		0600Z						38916.76	13548.38		NAF.

LORAN LOG

Cruise I.D. IG 15Year 75Leg No. Bermuda-ArubaTZ C

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	557 - ST. #1	557 - ST. #2	COMMENTS	WATCH ID.
June	16	0630						38930.10	13536.40		NAJ
		0700						38945.13	13523.18	24°14' 62°19'	NAJ
JUNE	16	0930						39040.35	13462.73		DRP
JUNE	16	1000						39033.65	13458.81		DRP
JUNE	16	1030						39020.80	13452.47		DRP
JUNE	16	1100						39037.12	13445.29		DRP
JUNE	16	1130						39071.99	13433.71		W
		1200						39007.20	13422.38		W
		1234						39044.39	13410.29		W
		1300						39172.46	13401.00		W
		1330						39205.25	13389.98		W
		1406						39244.18	13376.79		
Jun	16	1430						39268.35	13368.40		
"		1502						39304.72	13356.11		NAJ
"		1530Z						39333.62	13345.79		NAJ
"		1600Z						39367.56	13334.20		NAJ
"		1632Z						39400.93	13322.08		NAJ
"	"	1700						39432.11	13310.88	{ 23°19'N; 103°24'W }	NAJ
										{ 1650 Sat fix at 23°09.75.	
										{ 63°11.297; Disagreement }	
										{ about 15 miles }	
		1730Z						39462.74	13299.70		NAJ

LORAN LOG

Cruise I.D. IG-15 Year '75
 Leg No Bermuda Amber TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
JUNE	16	1805Z						39501.47	13285.51		NLF
		1855								C/C 230°	
		1930									
		2000									
		2030									
		2100						39673.90	13199.10		
JUNE	16	2130						39693.22	13190.83		
JUNE	16	2200						39722.60	13178.23		
JUNE	16	2230						39752.44	13164.98	C/C → 225° 22/22	A.R.T.
JUNE	16	2300						39782.51	13151.00		
JN	16	2332						39818.24	13136.13		NLF
JN	17	0000						39851.50	13123.29		1)
		0035						39899.50	13106.90		1)
<hr/>											
								557-W BROWN	557-Y BLUE		
JN	17	0110						13090.73	53575.62		
		0200						13061.62	53601.92		
		0300						13040.12	53632.60	22°12'N 64°43'	NLF
		0330						13026.56	53647.31	22°07'N 64°47'	NLF
										Latitude 0322 22°09.3N, 64°44.4W	
		0358						13013.13	53662.00		NLF

Cruise I.D. IG 15-3 Year 78
Leg No. Bermuda-Aruba TZ

Year 78

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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.
JUNE	17	0430Z						12998.40	53678.27	S 22.01 64°33'	NAJ.
										SAT DR 0430 21.58' 64°54'	
		0600						12955.24	53723.87	21°49' 65°06'	NAJ.
		0700Z						12930.30	53764.70		NAJ.
		0730Z						12915.79	53780.49		ART
JUNE	17	0800						1290385	53793.86		DR1
		0830						12847.75	53812.20		
		0910						12870.17	53832.70		ART
		0930						12858.65	53844.52		
JUNE	17	1000						12846.87	53858.72		A.R.I.T.
JUNE	17	1030						12833.12	53874.32		ART
		1116						12902.96	53897.03		WV
		1130						12795.64	53905.79		WV
JN	17	1200						12783.01	53931.09		WV
	17	1301						12764.99	53951.70		WV
		1332						12740.84	53967.82		
		1406						12726.36	53981.80		
		1413								4/speed to 8 Kts	WV
		1454								c/speed to 10 Kts.	NAJ.
		1500						12704.88	54007.10	20°59'N, 66°31'W	NAJ.

Cruise I.D. IG-15-3 Year '78
Leg No. Bermuda - Aruba TZ

Year 78

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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.
JUNE	17	1557						12678.35	54036.06		NGJ.
	"	1710						12644.50	54072.07		NGJ.
"	"	1800						12621.13	54097.60		NGJ.
		1900						12589.97	54131.18		GRP
JUNE	17	1930						12579.15	54142.60		GRP
		1950						1256889	5415340	STOP TO PUT OUT STREAMER	ART
JUNE	18	0030								STREAMER IN	KV
JUNE	18	0130						12518.09	54262.97		KV
		0157								Change speed to 5Kts	W
	18	0201						12510.40	54268.93		
JUNE	18	0233						12505.80	54262.31		KV
"	"	0300								Steady on 056°; 4 kts	NGJ.
		0316						12507.10	54268.37		NGJ.
		0358						12517.89	54210.17		NGJ.
		0450						12529.66	54207.60		NGJ.
		0630						12554.27	54183.19		NGJ.
		0707						12563.00	54174.54	lower star light on	ART
		0730								C/C → 235°	ART
		0730						12569.04	54168.30		ART
		0800						12563.36	54163.00		NGJ.

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Cruise I.D. IG-15 Year 75
 Leg No Bermuda-Amba TZ

MONTH	DAY	TIME (Z)	LAT. DEGR.	LAT. MIN.	LONG. DEGR.	LONG. MIN.	FIX NO.	ST. #1	ST. #2	COMMENTS	WATCH I.D.
June	18	0830						12555.11	54173.10		ART
		0900						12546.40	54192.79		ART
		0930						12539.20	54201.18		ART
June	19	0105							54317		
		0218								Start c/c 170°, 6 KTS	RN
	19	0230						12465.37	54342.91		RN
"	"	0300						12458.90	54345.81		NGF.
"	"	0330						12452.56	54348.89		NGF.
"	"	0505						12432.40	54347.70		NGF.
JUNE	19	0730						12400.61	54324.65	NO LOCK	GAP
JUNE	19	0800						12395.37	54336.70		GAP
JUNE	19	0900						12382.24	54332.60		GAP
JUNE	19	0930						12375.30	54346.24	NO LOCK	GAP
JUNE	19	1000						12369.10	54347.45		GAP
JUNE	19	1030						12362.50	54350.70		
		1043								AC 165°	
		1105						12355.24	54353.80		W
		1135						12350.28	54355.57		W
6	19	1205						12343.29	54358.56		W
		1231						12339.42	54360.10		W
		1300						12334.92	54362.00		W

LORAN LOG

Cruise I.D. 10A-GREEN-15-3 Year 75

Leg No. Bermuda - Aruba TZ

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