NAVIGATION LOG

FARNELLA 87-5

BLAKE ESCARPMENT

+

BAHAMAS

MAY 10-27, 1987

87018nav
104514

1315	GOULDING CAY.	175° × 10.2′	
1330.	"	163° × 9.4′	
1345	"	148° × 9.4′	
1357	SIMMS PNT.	131° × 10′	POSN 25° 08.8′N 77° 42.4′ W
1400.			
1415	"	118° × 11.3′	
1430	"	111° × 12.5′	
1440	MASTIC PNT (ANDROS)	256½° × 9.3′	
1449	"	253° × 8.2′	
1500	"	243° × 8.0′	
1515.	COCONUT PT.	259° × 7.8	
1530	"	243° × 7.4	
1545	"	228° × 7.5	
1600	N. MORGANS BLUFF	240° × 7.4	

27 MAY 1987.

EGG ISLAND. 25° 30'N., 76° 53.'0 W.

TIMES LOCAL.

0835 RADAR. EGG ISLAND 120° 10.5 MLS. N. STAR. 25° 34.'7 N., 77° 00.'9 W.

0900 " 107° 9.4 MLS " 25° 30.'6 N., 77 02.'0 W.

0915 " 97° 9.4 MLS " JUMPED. 34.'6 N., 5.'75 W

0928 " 82.°3 10.0 MLS. " JUMP. 32.'4 06.'3

" SAT FIX 25° 28.'8 N., 77° 03.'8 W.

0945 " 72.°3 11.2 MLS. N STAR. 25° 23.'6 N., 77° 3.'5 W

(1000 HRS FC 246°)

1020 SAT FIX 25° 22.'8 N., 77° 08.'1 (COAST NOT VIS ON RADAR)

1035 RADAR. PARADISE ISLAND. 204° 18.0 MLS. (CENTRE of ISLAND 25° 05.'0 N., 77° 18.'8 W)

1100 " 194° 15.0

1115 186° 13.8. SAT FIX 25° 18.'9 N., 77° 17.'1 W ~~77° 18.8~~

1150 177.°4 12.6

1145 171.5 11.9

1200 DANPORT A. 187° 11.4

1215 177° 10.5

1230 166° 10'

OLD FORT POINT 177° 10'

1300 SIMMS PT. 180° 10.6'

FRNL875

YR	MO	DAY	TIME	LINE #	SHIPS COURSE	SHIPS SPD	NAVIGATION FIX TIME	LATITUDE ± DEGREES	LATITUDE ± MINUTES	LONGITUDE ± DEGREES	LONGITUDE ± MINUTES	TYPE	QUAL.
87	05	10	1633	—				34	00.4	72	25.6		
87	05	10	1834	—				34	0.4	72	25.6		
87	05	10	1840	12X									
87	05	11	0316										
87	05	11	0329										
87	05	11	0628										
87	05	11	0634										
87	05	11	0655					34	06.6	71	37.0		
87	05	11	0818	13				33	49.5	72	07.6		
87	05	11	0323	13									
87	05	11	0327	13B									
87	05	12	0340	13B									
K 87	05	12	0559	13	EOL 13B			32	07.7	74	42.1		
K 87	05	12	0616	14	SOL 14			32	06.4	74	40.4		
87	05	12	0628	14									
87	05	12	0725	14				32	12.2	74	31.3		
87	05	13	0246	14									
87	05	13											
87	05	13	0258	14B									
87	05	13	0434	14B				33	29.5	71	40.4		
K 87	05	13	0513	14B	C/C 237°			33	25.6	71	37.8		
K 87	05	13	0520	15				33	24.8	71	37.9		
87	05	13	0548	15									
87	05	14	0145	15									
87	05	14	0327	15									
87	05	14	0334	15B									
K 87	05	14	0503	15B									
K 87	05	14	0506	16									
87	05	14	0606	16									
87	05	14	1251	16									

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DISC TAPE #	START	END	COMMENTS AND OBSERVATIONS
			CSIN 2 to 3 (LINE 12X)
1	X		SOD #1 @ 1834/130
			SOL 12X
			EOL 12X
5			SOL 12XB
			EOL 12XB
			SOL 13
			CSIN 4 to 5
#1		✓	EOD 1 / SOD 2 / (#1 = LINES 12X, 12XB, 13) @ 1018/131
10			EOL 13
			SOL 13B
			CSIN 0 to 6 @ Approx 0340
			EOL 13B @ 0559
			SOL 14 @ 0616
15			CSIN 6 to 7 @ 0628/132
			EOD 2 / SOD 3 (#2 = LINES 13, 13B, 14) @ 0725/132
			EOL 14 @ 0246 c/c to 150°
			CSIN 7 to 9 @ 0249
			SOL 14B @ 0258
20			EOD 3 / SOD 4 @ 0434/133 (#3 LINES 14, 14B)
			EOL 14B @ 0513/JD 133
			SOL 15 @ 0520/JD 133
			CSIN 9 TO 10 @ 0548/JD 133
			EOD 4/SOD 5 @ 0145 (#4 LN 14B, 15) JD 134
25			EOL 15 @ 0327/134, c/c to 203°
			SOL 15B @ 0334 on cc 203°
			EOL 15B @ 0503 c/c 232° disc 5
			SOL 16 @ 0506 disc 5
			CSIN 11 TO 12
30			EOL 16 @ 1255 hrs, c/c to 270°, JD 134, CSIN 12 to 13 disc 5

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YR	MO	DAY	TIME	LINE #	SHIPS COURSE	SHIPS SPD	NAVIGATION FIX TIME	LATITUDE ± DEGREES	LATITUDE ± MINUTES	LONGITUDE ± DEGREES	LONGITUDE ± MINUTES	TYPE	QUAL.
87	05	14	1258	16B									
87	05	14	1350	16B									
87	05	14	1358	17									
87	05	14	1359	17									
87	05	14	2247	17									
87	05	14	2255	17									
87	05	15	0050	17B									
87	05	15	0053										
87	05	15	0058	18									
87	05	15	1030	18				30	51.6	76	14.6		
87	05	15	1224	18B				30	51.9	76	33.8		
87	05	15	1228	19									
87	05	15	2005	19				29	45.6	76	34.0		
87	05	16	0113	19									
87	05	16	0114	19									
87	05	16	0830	19				28	00.8	76	28.8		
87	05	16	0850	20				28	00.7	76	33.3		
87	05	16	1224					28	30.5	76	36.7		
87	05	16	1714	20				29	11.	76	39.		
87	05	16	1912	20									
87	05	16	1954	20				29	33.7	76	39.9		
87	05	17	0030	—				30	08.5	76	40.3		
87	05	17	0105	—				30	08.5	76	45.4		
87	05	17	0107										
87	05	17	0911					28	59.9	76	45.5		
87	05	17	1424	21									
87	05	17	1616	21									
87	05	17	1624	21C									
87	05	17	1631	21B				27	59.2	76	46.3		

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TAPE #	START	END	COMMENTS AND OBSERVATIONS	PAGE 2
			SOL 16B @ 1758; cse 270°	
			EOL 16B @ 1350; c/c to 180°	disc 5
			SOL 17 @ 1358; on cse 180°	disc 5
			csin 13 to 15	
			CSIN 15 to 16 (EOL 17 @ 2245) (SOL 17B @ 2254)	
			EOD 5 SOD 6 (#5 = LINES 15-17, 17B) @ 2255	
			EOL 17B @ 0050; c/c to 000°	
			csin 16 to 17	
			SOL 18 @ 0058 hrs; cse 000°	
			@ 1030 CSIN 17 to 18 \ EOL 18 @ 1027/135 SOL 18B @ 1037, cse 270°	
			CSIN 18 to 19 @ 1224 \ EOL 18B @ 1220 SOL 19 @ 1228	
			SOL 19 @ 1228; on cse 180°	
			EOD #6 SOD #7 @ 2005/135 (LINES 17B to 19) LINE 19	
			c/c from 180° to 175°;	
			on cse 175°	
			CSIN 20 to 1 (EOL 19 @ 0827/136)	c/c to 270°
			CSIN 1 to 2 SOL 20	c/c to 353°
			CSIN 2 to 3	c/c to 357°
			EOD #7, SOD #8 @ 1714/136 (LINES # 19, 20)	
			c/c to 00.0 @ 1912	
			CSIN 3 to 4 @ 1954	
			csin 4 to 5 @ 0030	EOL 20 @ 0028; c/c to 270°
			CSIN 5 to 6 @ 0105	EOL 20B @ 0100; c/c to 180°
			SOL 21 @ 0107; on cse 180°	
			CSIN 6 to 7 @ 0911	
			EOD #8 @ 1424 hrs/137; lines 20, 20B, 21 SOD #9 @ 1424/137	
			EOL 21 @ 1616/137	
			SOL 21B @ 1624/137	
			CSIN 7 to 8 @ 1631/137	

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YR	MO	DAY	TIME	LINE #	SHIPS COURSE	SHIPS SPD	NAVIGATION FIX TIME	LATITUDE ± DEGREES	LATITUDE ± MINUTES	LONGITUDE ± DEGREES	LONGITUDE ± MINUTES	TYPE	QUAL.
87	05	17	1706	210					.		.		
87	05	17	1714	22					.		.		
87	05	17	1720	22				28	00.	76	53.		
87	05	18	1134	22				30	39.6	76	53.6		
87	05	18	1402					31	03.0	76	50.0		5
87	05	18	1403	22B					.		.		
87	05	18	1458	22B					.		.		
87	05	18	1504						.		.		
87	05	18	1513	23					.		.		
87	05	18	2337	23				29	59.9	77	03.2		10
87	05	19	2343	23B					.		.		
87	05	19	0027	23B					.		.		
87	05	19	0034						.		.		
87	05	19	0036	24					.		.		
87	05	19	0823	24				31	07.0	77	12.0		15
87	05	19	0844	24B				31	10.1	77	14.5		
87	05	19	0953	24B				31	18.1	77	20.5		
87	05	19	1920	25					.		.		
87	05	19	1931	25B					.		.		
87	05	19	1947	25B				29	59.	77	25.		20
87	05	19	2022	25B				29	59.2	77	30.9		
87	05	20	0553	26				31	24.7	77	30.9		
87	05	20	0607	26					.		.		
87	05	20	0619	26B					.		.		
87	05	20	0622	26B				31	27.6	77	32.7		25
87	05	20	0629	26B					.		.		
87	05	20	0704	26B					.		.		
87	05	20	0712	27					.		.		
87	05	20	0713	27				31	23.5	77	39.0		
87	05	20	1546	27					.		.		30

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TAPE #	START	END	COMMENTS AND OBSERVATIONS	PAGE 63
			EOL 21B @ 1706/137	
			SOL 22 @ 1714/137	
			CSIN 8 TO 9 @ 1720/137	
			EOD 9 SOD 10 @ 1134/138 (#9-LINES 21-22)	
			CSIN 9 TO 10 @ 1402/138; EOL 22 @ 1357; c/c to 305°	
			SOL 22B @ 1403, on Gre 305°	
			EOL 22B @ 1458 hrs; c/c to 180°	
			CSIN 10 to 11 1504 hrs	
			SOL 23 @ 1513 hrs; on Gre 180°	
			CSIN 11 to 12 @ 2337 w/EOL 23, c/c TO 270°	
			SOL 23B @ 2343	
			EOL 23B @ 0027, c/c to 000°	
			CSIN 12 to 13 0034 hrs	
			SOL 24 @ 0036; on Gre 000°	
			CSIN 13 to 14 @ 0823 (EOL 24 @ 0822 SOL 24B @ 0826)	
			EOD 10 SOD 11 @ 0844) (10 = LINES 22 & 24B)	
			CSIN 14 to 15 @ 0953 (EOL 24B @ 0950 SOL 25 @ 1004)	
			EOL 25 @ 1920/139 c/c 270°	
			SOL 25B @ 1931/139	
			CSIN 15 TO 16 @ 1947/139	
			CSIN 16 TO 17 @ 2022/139 EOL 25B @ 2020	
			EOD 11 @ 0553/140	
			EOL 26 @ 0607/140	
			SOL 26B @ 0619/140	
			SOD 12 @ 0622/140	
			CSIN 17 TO 18 @ 0629/140	
			EOL 26B @ 0704/140	
			SOL 27 @ 0712/140	
			CSIN 18 TO 19 @ 0713/140	
			EOL 27 @ 1546, c/c to 270°	

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YR	MO	DAY	TIME	LINE #	SHIPS COURSE	SHIPS SPD	NAVIGATION FIX TIME	LATITUDE ± DEGREES	LATITUDE MINUTES	LONGITUDE ± DEGREES	LONGITUDE MINUTES	TYPE	QUAL.
87	05	20	1547					30	00.	77	39.0		
87	05	20	1546	27				30	00.	77	39.0		
87	05	20	1556	27B				29	59.0	77	40.0		
87	05	20	1622	27B				29	59.2	77	44.9		
87	05	20	1629	28				29	59.6	77	45.3		
87	05	20	1631	28				30	0.2	77	46.0		
87	05	21	0148	28				31	20.0	77	46.0		
87	05	21	0157	28B				31	20.4	77	47.5		
87	05	21	0226	28B				31	19.5	77	51.5		
87	05	21	0235	29				31	19.5	77	52.5		
87	05	21	0333	29				31	09.5	77	53.0		
87	05	21	0333	29				31	09.5	77	53.0		
87	05	21	0520	29				30	51.3	77	53.0		
									.		.		
87	05	21	1051	29				29	59.7	77	53.0		
87	05	21	1129	29B				29	59.0	77	57.3		
87	05	21	2119	30				31	28.	77	59.		
87	05	21	2210	30B	272	7.3		31	25.7	78	06.2		
87	05	21	0230	31					.		.		
87	05	21	0230						.		.		
87	05	22	0745	31					.		.		
87	05	22	0754	31B					.		.		
87	05	22	0757	31B				29	59.2	78	08.7		
87	05	22	0821	31B	277	10.3		29	59.3	78	13.3		
87	05	22	1709	32	C/C270				.		.		
87	05	22	1717	32B					.		.		
87	05	22	1718	32B				31	23.8	78	14.9		
87	05	22	1803	32B	C/C180				.		.		
87	05	22	1812	33					.		.		
87	05	22	1813	33				31	22.8	78	20.8		

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TAPE #	START	END	COMMENTS AND OBSERVATIONS	PAGE 4
			CSIN 19 to 20 @ 1547/140	
			EOL 27 @ 1546/140	
			SOL 27B @ 1556/140	
			EOL 27B @ 1622/140	
			SOL 28 @ 1629/140	
			CSIN 20 TO 01 @ 1631/140	
			EOL 28 @ 0148; c/c to 260°; CSIN 1 to 2	
			SOL 28B @ 0157; on cse 260°	
			EOL 28B @ 0228; c/c to 180°; CSIN 2 to 3	
			SOL 29 @ 0235; on cse 180°	
			EOD 12 @ 0333/141 lines 26B-29	
			SOD 13 @ 0333/141 line 29 - EOD 13 @ -?-	
*			SOD 14 APPROX 0520/141 AFTER DISK #13 DID NOT ACCEPT DATA AND COMPUTER SWITCHED TO NEXT DRIVE (E) WHICH HAD DISK #14 DISC #13 DID ACCEPT DATA FOR A SHORT TIME POSSIBLE	
			CSIN 3 to 4 @ 1053 EOL 29 @ 1051 SOL 29B @ 1100/141	
			CSIN 4 to 5 @ 1129 EOL 29B @ 1128 SOL 30 @ 1137/141	
			CSIN 5 to 6 @ 2119 EOL 30 @ 2117 SOL 30B @ 2129/141	
			CSIN 6 to 7 @ 2210 EOL 30B @ 2209 SOL 31 @ 2222/141	
			EOD 14 @ ~0230 hrs/142, ln 31 (c/c to 180°) lns 29-31 on disc.	
			SOD 15 @ 0230 hrs/142, ln 31	
			EOL 31 @ 0745/142	
			SOL 31B @ 0754/142	
			CSIN 7 TO 8 @ 0757/142	
			CSIN 8 to 9 @ 0819/142 EOL 31B @ 0819 SOL 32 @ 0828/142	
			EOL 32 @ 1709/142 c/c 270	
			SOL 32B @ 1717/142	
			CSIN 9 TO 10 @ 1718/142	
			EOL 32B @ 1803/142 c/c 180°	
			SOL 33 @ 1812/142	
			CSIN 10 TO 11 @ 1813/142	

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YR	MO	DAY	TIME	LINE #	SHIPS COURSE	SHIPS SPD	NAVIGATION FIX TIME	LATITUDE ± DEGREES	LATITUDE MINUTES	LONGITUDE ± DEGREES	LONGITUDE MINUTES	TYPE	QUAL.
87	05	22	2339	33	182	10.9		30	34.2	78	21.0		
87	05	23	0323	33					.		.		
87	05	23	0332	33					.		.		
87	05	23	0354	33					.		.		
87	05	23	0403	34					.		.		
87	05	23	1346	34					.		.		
87	05	23	1349						.		.		
87	05	23	1357						.		.		
87	05	23	1510						.		.		
87	05	23	1513						.		.		
87	05	23	2049	35	180	8.4		30	38.4	78	35.1		
87	05	24	0110	35					.		.		
87	05	24	0112						.		.		
87	05	24	0118	35					.		.		
87	05	24	0139	35					.		.		
87	05	24	0150	36					.		.		
87	05	24	1039	36				31	27.5	78	42.0		
87	05	24	1150	36				31	36.2	78	47.5		
87	05	24	1800	37				30	49.7	78	49.1		
87	05	24	0003	37		10.2		29	57.9	78	50.1		
87	05	25	0002	37					.		.		
87	05	25	0011	38					.		.		
87	05	25	1045	38		9.0		29	57.1	77	02.5		
87	05	25	1507	39					.		.		
87	05	25	2340	39		9.8		28	0.8	77	01.5		
87	05	26	0055	39					.		.		
87	05	26	0056	39					.		.		
87	05	26	0105	40					.		.		
87	05	26	0919	40				26	56.3	76	42.4		
87	05	26	1015	40				26	57.1	76	34.6		

TAPE #	START / END	COMMENTS AND OBSERVATIONS — PAGE 5
		EOD 15, SOD 16 @ 2239/143/LINE 33 (F15=LINES 31-33)
		EOL 33 @ 0323/143; c/c to 270°; CSIN 11 to 12
		SOL 33B @ 0332/143; on cc 270°
		EOL 33B @ 0354/143; c/c to 000°; CSIN 12-13
5		SOL 34 @ 0403/143; on cc 000°
		EOL 34 @ 1346/143; c/c to 223°
		CSIN 13 to 14
		SOL 34B @ 1358/143; on cc 223°
		EOL 34B @ 1510/143; c/c to 180°
10		SOL 35 @ 1513/143; on cc 180°; CSIN 14 to 15
		EOD 16, SOD 17 @ 2049/143/LINE 35 (16=LINES 33-35)
		EOL 35 @ 0110 hrs; c/c to 270°
		CSIN 15 to 16 @ 0112 hrs; c/c to 270°
		SOL 35B @ 0118; on cc 270°
15		EOL 35B @ 0139 hrs; c/c to 270°; CSIN 16 to 17
		SOL 36 @ 0150; on cc 000°
		CSIN 17 to 18 @ 1039/144 EOL 36 @ 1037/144 SOL 36B @ 1043/144
		CSIN 18 to 19 @ 1150/144 EOL 36B @ 1148 SOL 37 @
		EOD 17 SOD 18 @ 1800/144 (17=LINES 35-37) c/c to 180°
20		CSIN 20 to 1 @ 0003 → LINE 37 EOL 37 @ 0001/145 SOL 38 @
		EOL 37 @ 0002/145; c/c to 090°; CSIN 20 to 1
		SOL 38 @ 0001/145; on cc 090°
		CSIN 1 to 2 @ 1045/145 c/c to 180°, EOL 38 @ 1043, SOL 39 @ 1054
		EOD 18 @ 1507/145 (=LINES 37-39) ln 39; SOD 19 @ 1507/145 line 39
25		CSIN 2 to 3 @ 2340/145 EOL 39 @ 2338, SOL 39B @ 2347/145
		EOL 39B @ 0055; c/c to 174°
		CSIN 3 to 4 @ 0056 hrs.
		SOL 40 @ 0105; on cc 174°
		CSIN 4 to 5 @ 0919/146 - EOL 40 @ 0918 SOL 40B @ 0931
		CSIN 5 to 6 @ 1015/140 EOL 40B @ 1009 SOL 41 @ 1021

YR	MO	DAY	TIME	LINE #	SHIPS COURSE	SHIPS SPD	NAVIGATION FIX TIME	LATITUDE ± DEGREES	LATITUDE MINUTES	LONGITUDE ± DEGREES	LONGITUDE MINUTES	TYPE	QUAL.
87	05	26	1241	641				27	15.8	76	36.4		
87	05	26	1716	641									
87	05	26	1725	641B									
87	05	26	1854	641B									
87	05	26	1907	642									
87	05	26	1909	642				27	59.3	76	27.4		
87	05	26	2138	642				27	38.4	76	29.2		
87	05	27	0234	642									
87	05	27	0238	643									
87	05	27	0926	643	201	9.9		26	05.2	76	56.3		
87	05	27	0958	643				26	00.3	76	56.0		
87	05	27	1356	644									
87	05	27	1401	645									
87	05	27	1840	645									
87	05	27	1848	645									
87	05	27	2000	645									

TAPE #	START	END	COMMENTS AND OBSERVATIONS — PAGE ____
			EOD 19, SOD 20 - LINE 41 (19-LINES 39-21) @ 1216/147
			EOL 41 @ 1716/146
			SOL 41B @ 1725/146 CSIN 6 TO 7 @ 1727/146 28 01.0 N 76°40.9 W
			EOL 41B @ 1854/146
			SOL 42 @ 1907/146
			CSIN 7 TO ~~8~~ (7B) @ 1909/146
			CSIN 8 TO 9 @ 2138 - C/C TO 170° LINE 42 CONT'D -
			EOL 42 @ 0234, C/C TO 207°; CSIN 9 TO 10
			SOL 43 @ 0238, ON LINE 207°
			EOD 20, SOD 21 @ 0926/147 (LINE 43) (#20=LNS 41-43)
			CSIN 10 TO 11 @ 0956, C/C TO 190°, EOL 43 @ 0954/147 SOL 44 @ 0956
			EOL 44 @ 1356, C/C TO 246°, CSIN 11 TO 12
			SOL 45 @ 1401, ON LINE 246°
			C/C - 330° @ 1840/147
			ON LINE 330 @ 1848/147
			END OF SURVEY FANL 87-5 BLAKE PLATEAU LEG.
			EOD #21 @ 2000/147 (LN 45)