Navigation Log

STENOGRAPHIC NOTEBOOK 25¢

ATLANTIC TWIN #69001

L. Garrison

Jan 17, 1969 - Jan 27, 1969

PR II

The SPIRAL Co.

steno notes

GREGG RULED NO. GG-2372

WITH SIGHT SAVER® PAPER

A PRODUCT OF Westab DAYTON 2, OHIO

GRIPPER EDGE® SLIP PROOF

BOOK NO.

FROM

TO

Jan. 17, 1969 Bridgelog

0723 - Underway from Ponce dock. Sparker overboard.

0726 - Buoy 6, Start Line 1. Crs 146°

0740 - Recorder trouble - Reverse crs to return to buoy #6

0751 - Circling at buoy 6

0754 - Start Line #6. Crs 146°

0814 - Fix. 17°59.5 N - 66°36.2 W ~ ~~4.7~~ 5.2 Kn

0829 - Fix. 17°55.4 - 66°35.1 W. 6.2

0906 - Fix 17°52.6 - 66°32.6 W 6.0 Kt

0929 - Fix 17°50.85 - 66°31.[illegible] W

0934 - Fix 17°50.50 - 66°31.1 W 5.3 Kt.

0938 - C/c 140°

0959 - Fix 17°48.9' - 66°29.5' 5.3 Kn

1015 - Fix - 17°48.1 - 66°28.1 End of Line #1

1016 - C/c 090° T - stopped sparker to lengthen cage wires.

1021 - Started sparking.

1043 - Change speed to 1000 RPM (was 800)

1048 - C/c 084° M - 075° T for wind set

< Sparker stopped

1053 - Reduce to [illegible] RPM for repairs

1108 - Incr to 1000 RPM to save time

1118 - C/c 331° M, dec. to ~~600~~ 550 RPM Start of line 2, repairing spkr

Jan 17, 1969

page 2
Bridge log

1123 fix poor loc } Still repairing sparker, holding
1130 c/c 240 } near start line 2.
1132 fix
1142 fix + c/c 140°
1150 c/c 090° M est. line at 1220
1202 c/c L to 331° M Start line 3 evc. not fixed yet
1205 Slow to 300 RPM, hooking up Gifft recorder. On line 3.
1215 fix - Start recording on Gifft - line 3
1230 fix
1235 c/c 331→351° M, 324-344° T
1244 fix (range - dist)
1248 fix (dist - dist)
1254 c/c 327° M, 1256 on cab
1303 fix - disregard
1307 fix - good
1312 fix - good
1320 fix c/c 332
1325 fix
1335 fix
1345 fix (beam method - doubtful)
1350 fix 5 1/2 Kn.
1421 5.10 Kt
1430 c/c 085 - o/c 085 End line 3
on cross leg - near shore

1445 Fix,

1449 c/c 083°

1500 fix

1515 fix

1523 c/c to 128° M; end line 3, start 3A.

1539 end 3A c/c

1541 Start Line # 4 - 240° M

1547 c/c 250° M

1550 c/c 254° M

1600 Fix

1615 c/c 237°

1620 Fix

1645 Fix

1650 c/c 3° Left to 234°

1700 fix

1715 Fix

1730 Fix

1745 Fix

1800 Fix - End Line 4 Secured, start to Ponce

Jan 18, 1969 - Bridge log

			fore	back
0625	u/w			
0630-35	Compass test, Ponce Approach Range	Chart	023	203
0653	Seabuoy, c/c 150°M. full speed	Ship	029	200
0718	c/c 145° M			
0721	c/c 144, slow to 750 rpm, working speed, stream gear			
0725	Recorder on			
0730	fix 66°34.6', 17°51.8'. Recorder NG.			
0742	c/c 180° Turn to 324M to return to start line 6A.			
0755	c/c 180° Turn to 144° to return to start line			
0805	Start line 6A fix: 17°52.0', 66°34.6'			
0807	Time tick on recorder.			
0820	Fix			5.6 Kn
0836	Fix — c/c to 054°M End line 6A			
0838	Steady on 054°, Start Line 6			
0845	fix			
0855	fix			
0900	fix			
0918	fix			
0922	c/c right 6° to 060°M (This hdg. incl. ships compass error 3°)			
0927	Beam fix on Muertos - do not rely on this			
0935	c/c rt 3° to 063°			
0940	fix (5-pt star!)			
0945	fix			
0950	c/c 3° rt, to 066°M (incl. ship error)			

18 Jan
Bridge log p.2

1000 fix
1015 fix
1030 fix
1045 fix
1047 c/c L to 303° M, End line 6
1048½ On new Crs 303° M, Start line 6B
1100 fix
1107 c/c 5° L to 298°
1115 Fix. Poor, favor 1120 fix
1120 Fix. Good
1130 Fix
1134 c/c L to 145, End line 6B
1136½ On Course 145° M, Start line 5
1145 Fix
1155 Fix
1200 c/c to 143, Fix
1203 c/c L 5° to 138°
1205 c/c L 3° to 132°
1215 ~~fix~~ NG + c/c Rt 10° to base of 143°
1220 fix good
1230 Fix
1245 Fix
1300 Fix
1315 Fix

~~56~~

1321 CC TO 135

1330 FIX

1345 FIX

1352 C/C 130° M

1416 FIX

1423 FIX

1435 NO good

1440 C/C TO 278

1442 ON COURSE 278

1529 FIX

1531 C/C 188° M

1533 Steady 188° M

1540 fix fair

1545 fix poor

1600 fix

1615 fix, C/C 324° M.

1617 Steady 324° M.

1630 fix

1640 fix

1650 fix

1700 fix

1702 C/C 054° M, end line 6B

1704 Steady 054° M, start line 8

Note - Suggest accept 1540 & 1600 fixes, & disregard 1529 & 1545.
J.T.

18 Jan - p4

1718 fix

1726 fix = first good fix since 1700

1730 fix

1740 fix

1747 fix < 1745 c/c to 073°M

1756 fix

1801 fix

1810 fix + c/c, to 064°M 5.25 Kn

1830 fix

1846 fix

1900 fix

1916 fix

1931 fix

1938 fix & end line 8

NOTE: { RECORD RANGES & BEARINGS }

Jan 19, 1969

0840 - Departed Central Aguirre dock to begin line 9.

0910 Start line 9

0917 5° left c/c

~~5° left~~

0922 136° M (c/c 5° left)

Codes: (Nearest part unless otherwise noted)
Rat = Cayos de Ratones
CC = Cayos Cabeyayos
M = Muertos Id.
Mtit = Morill, to Id.
PtaA. = Pta Arenas

0915 CC 3.4
Pt. A 1.46
Stern T 3.95
Rat 0.76

0923 Rat 1.5
Rio 1.84
Stern Tan 2.21
CC 3.4

0931 Rat 1.1
Stern tan 2.67
Pta. 1.82
CC 2.54

1004 Muertos 15.20
Pta Arenas 1.95
Tan Shore 5.15

1015 M tip 14.3
Pta A. 2.67
CC 6.35?
Stern tan 6.00
Rat. 8.4
Pta. OB 7.5

[Code: Tan = tangent]

10:31	Stern tan	6.9	1132	Ref	8.1
	Pta A	3.55		Channel	6.55
	far CC	7.1		Near tan	4.4
	M tip	15.0		Stern tan	10.7
	Channel	6.1			
	Pta OG	7.15	1146	Stern tan	11.3
	Ref	13.05		Ref	8.35
				Near tan	5.2
1042	Pta A	4.9		Pta OG	7.0
	Ref	7.8		M?	18.25
	M tip	15.6			
	Stern tan	7.85	1212	Land Not tan	6.4
	far CC?	7.9		Channel	7.73
	Channel	6.1		Ref	8.90
	Pta OG	6.8		M	19.4
	X	9.6			
1117	Ref	7.95	1220	M tip	19.8
	M tip	16.6		Sh tan stern	13:45
	CC poor	9.85		Sh. port bm	12.3
	Stern tan	9.7		Pta ?	7.0
	Channel	6.3		Pta O.G.	8.05
	Land tan	3.8		Ref	9.3
				Chan	8.2

New Crs 053° M, Steer 056°

1230 c/c 053° M, End line 9

1232 Steady 053°, Start line 14

1233 Incr turns 800 → 850

1233 7.6 - Pta Babie

8.4 Pta OG

9.4 Channel?

14.2 Shore Tan Port beam

12.3 Shore tan L of bow

20.25 Muerto tip

1250 7.15 Shore Tan pt.

7.5 Pta OG

Incr M 20.45

Tan bow 11.2

Tan beam 13.78

1249 Incr turns to 900

1300 6.75 to Barca and Pta OG

1310 12 M Tip ~~Ft~~ 21.3

Shore ahead to port 9.65 6.5

Pta OG 6.1

Pta Babie 6.4

Ref 7.2

Channel

1330 Pta Barran 6.24

Pta OG 5.0

Barca 6.25

pta Arroyo 8.2

1345 Pta Barran 5.38

Pta OG 4.3

Barca 6.2

pta Arroyo 7.37

1400 pta Arroyo 6.3

Pta Barran 4.45

Pta OG 3.84

Barca 6.41

1415 pta Arroyo 5.05

Pta Barran 3.35

Pta OG 3.5

1420 c/c to 058°

1430 pta Arroyo 3.82

Pta Barran 2.61

Pta OG 3.8

1445 Pta Arroyo 2.56
Pta Barrancas 2.42
Pta OG 4.5

1500 Fix on course line & distance
1503 End line 14, fix as above
Bar 1.84
Fig 2.49 1516
Arr 2.14

1516 - Start line 14B
Course 234° M
800 Rpm

1530 2.23 bight
1.64 Bar
4.1 Fig

1535 4.8 Fig
1.81 bar
1.78 tan rt
Discarded
this fix suspect

1540 1.72 Tan rnst
4.4 Tan far
4.95 fig
1.51 head bay
No good

1545 4.05 Poy
1.61 Beach tan
good fix
2.45 Bar
5.0 Arroyo beach

1551 End line 14B
fix: 3.6 Poy
5.5 Arroyo Tan
2.9 Bar
1.51 BKwtr

1623 Start line 12; charted fix good
Course 234° M.
beach to stbd .57
closest pt .45
End BKwtr 1.66

1630
CAYOS de 1.72
Pta POZUELO 0.44
BEACH 0.96
BREAKWATER 2.13

1645

FIX: CAYOS de BARCA — 0.63

~~Pta. POZUELO~~ NO good = 2.20

W. CC = 0.9

~~TR BEACH~~ ~~3.01~~

~~BREAKWATER~~

1700 FIX:

(E) CAYOS de B = 1.34

W. (east end) CAYOS de RATONES = 4.37

PTA. ARENAS = 4.25 ?

1715 FIX

PT. ARENAS = 4.35

Edge CAYOS de BARCA = 2.71

TAN CAYOS de BARCA 2.28

RAT IS — 4.15

1720 C/C TO 231°

1730 FIX

PT. ARENAS — 4.83

Edge CAYOS de BARCA = 4.1

TAN CAYOS de BARCA 3.5

RATONES (east of W) = 4.48

1732 C/C TO 227

1745 FIX:

MUERTOS = 13.8

PTA ARENAS = 5.8

TAN CAYOS de BARCA =

E CAYOS de BARCA = 5.7

W Ratones ~~7.1~~ 5.45

1800 fix

Muertos 13.2

Cayos Cab. 7.1

Cayos Rat. ~~7.0~~ 6.3

pta Arenas

E. end C. de Barca 7.0

1815 FIX:

MUERTOS = 12.52

CC = 7.3

TAN CAYOS de BARCA

PTa ARENES

RATONES = 7.4

1830 FIX & end line 12

MUERTOS = 12

CC 7.75

RATONES 8.7

End of 19 Jan

Start 20 Jan

4/w 0640

Gear streamed 0737

0745 - Steady 145°, Begin line B

C. de Barcas ~~2.80~~ 2.24

Indent 0.64

tip pier 1.62

Cha 1.01

Pier 1.54

land 0.64

0750

Tan rt ast. 0.87 1.08

pier 1.42 1.38

Cd. B 2.36

tan Bell 0.56

0755 Pier 1.3

Tan w 1.27

Tan head ending 1.4

C de B 2.6

Tan x 1.1

0800 End pier 1.28

Stern Tan 1.69

0815 Pier/~~Pta 06~~ 1.78

Pta Poqueles 2.82

Barca 3.7

0830 Pta Barranca 4.51

Pta 06 2.81

Cayo de Barca 4.68

0833 c/o to 140 M

0845 Pta Barranca 5.0

Pta 06 3.82

C de Barca 5.77

0900 Pta Figuera 7.33

Pta 06 4.92

C de Barca 6.92

0[illegible] Pta Figuera 7.5

Pta 06 6.1

C de B 8.35

0930 Pta Figueroa 7.9
Pta OG 7.21
C de B 9.34
0937 c/c to 142° M
0945 Pta Figueroa 8.52
Pta OG 8.52
C de Barcai 10.8
0952 c/c to 145° M
1000 Pta Viento 11.15
Pta Figueroa 9.5
Pta OG 9.85
C de B 12.1
1015 Pta Viento 11.95
Pta Figueroa 10.52
Pt OG 11.18
~~C de B~~
1030 Pta Viento? 12.7
Pta Figueroa 11.6
Pta OG 12.4
1045 Pta Viento 13.43
Pta Fig. 12.62
Pta OG 13.7

1100 FIX
CMP = 15.5
~~PP~~ Pta VIENTO = 13.75
Pta OG = 15.02

1107 C/C 055°
11 ON COURSE 055
1112 START LINE 13B

1115 FIX
CMP = 15.52
Pta F = 13.88
Pta OG = 15.4
BAD

1130 FIX
Pta TUNA ~ 15.85
Pta F = 13.35
Pta OG = 15.15

1145 FIX
Pta TUNA = 14.65
Pta F = 12.62
Pta OG = 14.97

1148 c/c TO 062°

1200 FIX

Pta TUNA = 13.62

Pta F = 12.3

Pta OG = 15.1

1215 FIX

PTA TUNA = 12.5

Pta F = 12.0 –

PTa OG = 15.45

1235 C/C TO 015°

START LINE 15

PTa TUNA – 11.4

PTa F – 11.9

PTa OG – 16

1245 FIX

PTA TUNA = 10.5

PTA F = 11.4

PTa OG 15.7 No good

1300 FIX

PTa TUNA – 9.2

PTa F – 10.55

OG = 15.4

1315 FIX

Pta TUNA – 8.0

PTA F – 9.85

OG – 15.0

1330 FIX

PTa TUNA – 6.7

PTA F – 9.25

OG – 15.

1345 FIX

TUNA – 5.5

PTA VIENTO – 5.8

PTA F – 8.8

1348 C/C TO 013°

FIX

1400 Pta TUNA – 4.1

PTa VIENTO – 5.02

Pta FIGURAS – 8.45

1415 Tuna 2.78

Viento 4.45

Figuras 8.35

1430 Pta Tuna 1.56
" Viento 2.1
" Figuras 4.4
L d, nrst .84

1435 End line 15
1459 Start line 18, C232°M
1515 Pta Tuna ~~4.0~~ NG
" Viento 1.35
" Figuras 4.3
" Guilarte 3.7
1530 Pta Viento 2.36
" Guilarte 3.25
" Figuras 3.6
Making 5.6 Kn @ 800 Rpm

1545 V 3.6
g 3.3
F 3.35

1600 Nrst C. de Barca 10.2
Viento 4.8
Figuras 3.5
Pta Barrancas 6.0

1615 Nrst C. de Barca 10.8
Pta Figuras 4.1
Pta Viento 6.1
Pta Barrancas 5.7

1630 C de B 7.95
Bar 5.7
Fig 4.85
Vie 7.2
1635 c/c L.2° to 230°

1645 FIX
Pta F 5.82
Pta OG — 6.6
C de B 9.5

1700 FIX
Pta F — 6.82
OG — 6.58
C de B — 9.0

1703 c/c to 228°

1715 FIX

C de B — 8.75

P OG — 6.75

P F — 7.95

1730 FIX

C de B 8.7

Pta OG 7.3

Pta F 9.2

1735 C/C TO 226°

1748 Slow to channel 3.5KC

1750 FIX

C de B — 8.8

Pta OG 8.2

Pta F 10.7

1800 FIX

C de B 9.1

Pta OG 8.8

Pta F 11.55

1815 FIX

C de B — 9.6

Pta OG — 9.6

Pta F — 12.7

1836 FIX

C de B 10.4

Pta OG 11.1

Ratomer 13.45

1900 END OF LINE 18

C de B 11.6

Pta OG 12.65

Pta F 16.4

C de Ratomer 14.1

19 TUES. JAN 21

0740 FIX

Pta F 9.4

Pta OG 12.2

Pta Tuna 12.25

0825 START OF DREDGE #1

Position:

Pta V — 9.4

Pta F 9.85

Pta Tuna 11.35

0845 ON BOTTOM

Pta V 9.4

Pta F 10.2

Pta Tuna 11.1

0850 START UP

LOST DREDGE #1

0940 START DR #2

Pta F — 10.05

Pta V. — 9.5

Pta Tuna 11.3

POG — 13.6

1015 DR #2 ON BOTTOM

Pta F 9.7

Pta V 9.3

Pta Tuna — 11.3

Pta OG 13.4

1215 FIX

Pta F 9.2

Pta V 9.05

Pta Tuna 11.45

Pta OG 12.8

STA. 1

PQH = 0.46

RX = 0.08

STA 2 (head 094)

RX = 0.275

PQH = .46

STA 3 (head 204)

PQH = 0.25

RX = 0.24

STA 4 (head 139)

4.4 RX = 0.44

PQH = 0.16

STA 5 (head 142)

RX = 0.84

PQH = 0.46

~~STA 6 (head 101)~~

~~PQH 1.1~~

~~A = 1.82~~

STA 6 (head 334)

A = 1.5

PQH = 0.84

STA 7 (head 021)

A — 0.85

PQH — 1.14

STA 8 (head 340)

RG — 0.7

RX — 1.04

STA 9 (head 325)

RG — 0.47

RX — 1.01

STA 10 (head 330)

RG — 0.225

RX — 1.06

STA 11 (head 238)
RG — 0.26
RX — 0.92

STA 12 (head 170)
RG = 0.53
RX = 0.7

STA 13 (head 282)
TAN COAST — 0.13
RX — 0.56

STA 14 (head 139)
TAN COAST = 0.42
RX — 0.5

STA 15 (head 278)
TAN COAST — 0.2
RX — 0.3

060

067
106

P 0.26
X 0.2
Y 0.13

22 Jan 69

0655 Anchor Tan bch 0.26
Tan Rx 0.1

N0710 - Sta 16 perchart
Bch 0.7

0725 Pta 0.285
Sta 17 Pier 0.13

Sta 18 - Pier, 0.45
Pta, 0.31

0755, - Buf Spl # 19
+S1 = Salinity No. 1

S.3 - 0807

S8 - 0824

S 14 - 0840
S 15 - 0843
(Plotting too fast to log
Salinity stations)

S 18 - 0851
and Sample 20 also

4/w from Yabucoa Bay
to St. Thomas, V.I.
0900 - 22 Jan 69
Arr. St. Thomas 1500

Thurs 23 Jan 69
4/w St. Thomas 0745
Start line V1 - 0844
T I J 0.58
J 2.02
Crs 094° M.

0854 -
Cab - 4.5
Dit 2.2
St J 1.85
FrC 4.8
0897 C/C 101°

0900 Cab 3.8
Dit 1.42
Maria
J 2.38
Nrst 9.7

0904 111° C/C

0910 Cab
Stt
Ran 4.0
Tan 2.24
St J 3.4

0915 ~~Ran 3.75~~
St J ~~3.45~~ 3.78
Cab 2.63
Cab 2.41
Ran 3.05

0920.
Bobo 1.72
Tang - 1.85
Cab 2.20
St J. 4.05

0922 C/C 106°

0924 Ram 2.89
Cab 2.0

0930 Dif - 1.7
Cab - 1.64
Ram - 2.32
Σ. end strt -

0932 C/C 103°
0937 Ram 1.79
Cab 1.24
Strt 1.42
0938 C/C 098°
0942 Ram 1.38
Cab 1.06
White 1.44
dif 2.62

C/C 093° 0945
0950 Ram 0.78
Cab 1.20
White ~~Cab~~ 1.66
1.7
St J.
0948 ↑ 0.32
Ram a beam
1015 Start V2
1022 1/2 - C/C 2°L to 300
1025 - 0.25 Beam
1045 1/4 - end V2
1047 1/4 Start V3
1055 - Dif - 1.0
Ram 1.08
astern - head of bay -
1100 - C/C 2°L - 186°
1100 - Dif 1.2
Wh 1.4
hd bay 1.62
1107 - Dif 1.58
White 1.78
hd Bay 2.16

1113 Dif 1.98
White 2.2
head bay 2.62

1115 Dif 2.2 End V2
White 2.42
hd Bay 2.88
1115 Start turn
1119 Steady 037°, Start V4
Dif 2.1
White 2.42
1121 C/C 043°
1125 Dif 1.84
White 1.94
Cab 1.96
1130 C/C 046 Dif 1.66
Cab 1.525
White 1.38
1137 Dif 1.64
White 0.88
Cab 1.0
1145 Cab 0.56
White .22

1149 End V4
1151 Start V5 Crs 194°
1200 Dif 2.14
White .78
Cab .565
1215 ~~Dog~~
Dif 2.66
Cab 1.77
Ram 2.0
White ~~1.7~~ 2.02
12:30 Dif 3.7
Cab
White Pl. - 3.4
Ram - 3.15
Dog - 5.15
12:45 Dif 4.85
Cab 4.5
WP 4.80
13:00 French 6.52
Ram 5.30
DOG 6.52
13:15 French 6.85
Ram 6.65
Dog 7.61

13:28 Ram 7.62
F.Cap 7.[illegible]4
DOG
Cnd line V5 1:29 c/c 070M
Start line V6 1:30
13:31 Ram 7.8
Dog 8.65
F Cap 7.48

13:34 c/c - 075 M
Ram - 7.61
Dog - 8.[illegible]
F C. - 7.56
13:42 c/c 070 M

13:45 Ram 7.12
F. Cap 8.05
Dog 8.[illegible]8
14:00 Ram 6.3
F Cap 8.71
Dog 8.[illegible]1

1412 c/c TO 349°
F Cap - 9.4
Dog - 9.02 ?
Ram - 5.74

1430 FIX
Ram 4.19
Dog 7.70
French cap 8.75

14:45 FIX
Ram 2.78
Dog 6.70
French cap 8.31

15:00 FIX

Ditliff Pt. 3.62
Ram 1.69
Bovocap 4.38
1515 c/c, fix: White 1.16
Cab 0.8
Ram 1.34
c/c was to 021°

fix 1519 White 0.83
Cab 0.46
1524 Rt 0.19
L 0.46

1525 Barge Tektite 0.14
abeam

1527 End of line
head clrg. 0.14

1700 Start Edo 1.5 KHz
runs
1702 Start T-1 340M
x 0.20 Mi
.387
dist rx beam 0.06
0.12
0.22
0.10
0.14
1720 Start

1726 1/2 end T2

1727 1/2 Start T3
Crs 210°

1738 1/2 end T3

1742 Start T4

1749 T5 Start
Crs 250°M

1756 end T5

Anchored 1810

Note:
No fix on start of T4. It parallels T1 & T3.
Scrap T4

Bridge Dev. Log

Friday 24 Jan 69

u/w 0745

Turn on 189°, 0837

& on 009°, 0857

(Generator battery dead)

Turn on 189°, 0911 (battery still dead)

0924 Startline "BV1" C 009° M 0.36

13 KJ - 4 Sec

Edo 1.5 KHz also.

0928 Inertosoo Kn

0930 0.425 flan

2.0 Peter

0.82 Pel

0940 Peter 1.825

Flan 1.225

Tort 0° - 2.54

0949 Norm 1.96

Flan 2.06

Tort 1.68

C/ 282° M. - ships M

100 "335" - 1.18

Frenchman 1.31

Peter

Stbd beam tan, 0.77

0.98

Point 0.68

French. 0.77

1.02

1020 G.TH. 2.41

0.72

0.89

1030 No names - fix OK.

1038 C/C 040°

1043 C/C 060°

1042 Mark Narrows

Photos taken

Trumbull: Port first, Stbd next, one each.

1054 start to turn

C/C to 282 M

Shut down ~~tab~~ spkr to change power

1103 0.52

2.38

Working again C282°M

Reduced to 5 KT

1105 1.0

2.24

Note Use 1105 fix, not 1103.

1116 fix 2.54

1.325

1120 fix 1.72

1121 C/C L to 226° Mag.

1131 fix

1134 C/C 219°; fix

1151

12:12

1.32

1201 fix

1.02

1.82

1230 fix

A – 3.55 3.01 28

B – 3.1 – 2.72 24

C – 2.02 2.14 23

1245 Fix

A – 2.22

B – 1.76

C – 2.94

12#8 C/C TO 003° (from 001°)

1300 FIX

A – 1.33

B 0.86

C 4.2

1303 c/c to 005°

1315 Fix

A – 1.6

B – 1.46

317 C/C TO .007°

1330 FIX

A – 2.32

B – 2.7–

1345 C/C TO 278°

FIX A – 3.55

B – 4.01

~~P~~

1400 FIX

A – 3.5+

B 4.82

D 7.45

1403 C/C TO 272°

1415 FIX

A –3.8

B 5.7

D 6.8

1430 C/C TO 176°

START LINE BV3

FIX D – 6.25

A 4.35

B 6.65

1445 FIX

A – 3.3

D – 5.2+

E – 3.9

B – 5.8

1448 C/C TO 180°

1500 FIX

A – 2.28

B – 5.1+

D – 4.1+

E – 2.47

1515 FIX

A – 1.7

E = 1.28

D = 3.32

1530 FIX

A 2.04

E 0.44

D –2.75

1545 Fix

E 1.32

X 2.64

Y 2.52

1600 Fix

E -2.64

X -2.8

Y 1.13

1610 c/c TO 163°

A 0.8

B

Y -0.38

1630 c/c TO 144°

A 1.14

X 0.64

Z -0.82

1645 Fix

A 2.28

M 0.56

N 0.87

1649 c/c 140°

1700 Fix

M 0.93

N 0.30

O 0.74

1715 Fix

M 2.08

N 2.34

O -1.09

1730 c/c TO 188°

1750 Fix

A 3.35

B 3.8

C 5.6

1752 c/c TO 185°

1800 Fix
A — 4.2
B — 4.65
C — 6.0

1815 Fix
A — 5.45
B — 6.0
C — 6.8+

1817 C/C TO 187°

1830 Fix
A — 6.6
B — 7.2
C — 7.8

1845 END OF LINE
BV 2

Sunday 26 Jan 69
Sparking in Hona Passage
0650 - Begin line MP-2
Course 185° M, 180° T
Begins at 18°26.3', 67°30'
Navigation control excellent
0650 - Des 3.1
Hig 13.95
Aqua 18.9
0700 - Des 2.23
Hig 13.65
Aqua 19.1
18°25.5', 67°30'
0720 - Abeam N. Des
9.7 closest
Bearing set west
0730 W. tip Des 1.26
Hig 13.65
0733 C/C 186° M.
0740 Hig 13.65
Des 1.97
0745 Hig 13.71
Des 2.53
0800 Hig 14.21
Des Tan SW 3.70

0803 C/C L.5° to 181° M.

0820 Mona 22.0

Guana 20.6

Hig 14.6

Des Tan 5.4

0840 Des 6.79

Hig Tan 15.15

0900 Tan Hig - 15.72

Des - 8.4

Mona - 20.32

Guana - 19.3

0907 Inner rpm 50

0920 Hig tan 16.42

Des 9.92

Mona 20.18

0940 Pt. Guanajibo 13.8

Des 11.7

Mona 19.78

10:00 Pt Guanajibo 18.62

Des 13.10

Mona 19.45

Pt Guan 18.61

Des 14.7

Mona 19.3

10:40 Pt. Guan 18.79

Des 16.26

Mona 19.2

11:00 Pt. Guan 19.0

Des 17.8

Mona 19.4

11:20 Pt Melones 17.11

Pt Guanajibo 19.30

Desecho 19.45

Mona 19.70

11:40 Pt. Melones 16.62

Des 21.15

Mona 20.10

12:00 Pt. Mel 16.22

Des 22.81

Mona 20.62

1220 Pt Mel 15.8

END LINE MP-2 Des 24.52

Mona 21.3

Begin 27 Mon Jan 69
4/10 0825 from Mayaguez
Course from #4 buoy to I.P.
= 297°M. [Ship steers 292°M]

0845 on course 297M
0925 stop w/ stream gear c/c 221°M

	Cadena Pt. Tan	~~7.92~~ 4.5
	Pt Guanajibo	~~4.5~~ 7.92
	Des I	13.1
0930	Pt Guan	8.1
	Cadena	5.25

Reverse course to start
0942 Start line on course 221 M

0945	Cadena	5.57
	Pt. Guan	8.15
	Des	12.95
1000	Cadena	6.95
	Pt Guan	8.50
	Des	13.00
1002	c/c 5° to 216°M	
	Cadena	8.33
	Pt Guan	8.90
	Des	13.4
1040	~~c/c to 291°M~~	
	Fix on Buoy R8	NG
	Bear 7 stern	0.92

END LINE MP-3
1044 c/c 291°M
START LINE MP-4
1045 on course 291

1048	Cadena	10.83
	Pt Guan	10.33
	Des	14.1
1100	Cadena	11.37
	Pt Guan	11.48
	Des	13.34
1108	increase 50 RPM	
1112	increase 50 RPM	
1120	Cadena	12.5
	Pt. Guan	13.22
	Des	12.21
1140	Cadena	13.8
	Pt. Guan	15.23
	Des	11.25
1200	Cadena Tan	15.3
	Pt Guan	17.6
	Des	10.6

18°12.2' 67°29.3'

1220	Cadena Tan	16.8
	Pt Guan	18.5
	Des	10.2

Poor fix stop to take in gear

1224 resume c & speed

1237	Desecheo	10.3
	Cadena Tan	17.8
	Mona	18.8
1300	Des	10.62
	Cadena tan	19.3
	Mona	17.2
1320	Pt Hig?	20.6
	Des	11.22
	Mona	15.5
1340	Pt Hig?	22.3
	Des	12.3
	Mona	14.25
1400	Des	13.26
	Mona	13.05
	Monito	16.44
1420	Des	14.82
	Mona	11.82
	Monito	14.8
1440	Desecheo	16.3
	Mona	10.73
	Monito	13.21
1500	Des	17.9
	Mona	9.83
	Monito	11.67

1520	Des	19.6
	Mona	9.27
	Monita	10.2
1527	c/c to 288	
1540	Des 21.4	
	Mona 9.05	
	Monito 8.9	
	18°16.5' 67°50.7	
1601	Mona 9.3	
	Monito 8.0	
	Des 23.6	
N1603	Sparker generator quit	
1616½	Startup & resume line	
1619	Des 25.1	
	M. 9.9	
	M. to 7.5	
1623	c/c 3° Rt. to 291° M	
1640	Des 27.4	
	M. to 7.7	
	M 11.15	
	18°17.5', 67°56.9'	

1700 Mona 12.5
Mito 8.8 295 055 350 5 355

1710 Mona 13.6
Mita 9.0 294 050 344 5 349

1713 End line MP.4 New Crs 008
1714 C/C 008°
1715 Mito 7.6 350
Mona 13.7
1717 Start line MP.5
1740 Mito 11.4 @ 350 M
Mona
1800 Mito 12.55 – 344 8 352°
1820 Mito 14.2 @ 352°
Hispaniola Npt 23.6 Spt 24.3
1840 16.9 @ 171° NFG
1850 170 @ 16.5
Closest Dom Rep 22.9
1900 DRep 23.0
2nd TS 24.0
173° Bonito 17.3
Mona 20.3

1920 Mito 18.6 @ 175
NDR 22.6
SDR 24.2
Note: "South Dom. Rep" seems to be mountains behind Pt. Espada.
2000 Mito 21.5 @ 177
Dom Rep 22.6 Mid
" " S – 24.6
2021 Mid D.R. 23.8
S " " 25.1
Mona gone
State 5
2100 – Dom Rep 23.2 @ 029° M
Long. at 2100 is 68° 1.5' to within ± 1/2 mile. I have no control on latitude. Best control will be from bathymetry – which can be done ashore. Pretty bumpy out here tonight.
Crossed 100 fm ~ 2053, 2108

120 fm curve ~ 2107, from the spkr record.

2125 - Cabo Engaño light judged abeam. What is the precision of sighting across the pilothouse doors?

2200. Clearance on Mtns of Dom Rep, 22.8 Long. now 68°02'. Lat. by D.R. only. Will have to extrapolate speed & use depth.

2245 End line MP-5. Nrst Dom Rep Mtns 23.4 Further Southerly Mtns, 25.2 - C 128°14 u/w 1055

ETA 0135

Call Me 0100

0205 - Start MP-6

C. 188° M, 180° T

188
126
314° - 13.8 Mi to Des.

Nearest pip is Pta. Higuero, on Island.

0220 - Hig RADAR
Des OUT

0249 - 130° (S.) dist 13.3

0253 - Start turn to resume line. Was power failure to recorder & radar. No particular geology in first 0205 - 0220 run, so am resuming line Sward from 0220 posit to save ½ hour. I.T.

0255 - MP-6 begins again Des 130° @ 13.3 Mi & Hig 26.0 (?)

0300 C/C 185° M (from 188° M)

Running 900 RPM

0320 296 / 185 / 481 / 36 / 121 @ 12.4 Mi, Des.

0323 C/C 182° M

0340 115 / 180 / 295 @ 11.9 mi NFG

0345 Mona 20.2

Des 11.75

0354 C/C 179° M

0407 Mona I 18.35

Des 11.48

0425 Mona 17.00

Des 11.5

0440 Mona 15.85

Des 11.8

Pt. Hij? 24

0500 Mona 14.48

Monita? 16.88

Des 12.55

0520 Mona 12.95

Monita 15.97

Des 13.6

0540 Mona 11.75

Monita 15.38

Des 14.73

0600 Mona 10.75

Monita 14.95

Des 15.95

0620 Mona 9.93

Monita 14.7

Des 17.31

0640 Mona 9.15

Monita 14.75

Des 18.6

0700 Mona 8.80

Monito 15.05

Deseches 20.2

0707 END LINE

29 Jan 69, Weds.
Dredging & photog(?)
in Mona Passage.
1st Station –
Approx 18° 23', 67° 23.6'
u/w 0500

0633 Des – 9.3
Tan Cst – 12.2
Tan Nrst Cst 4.1
ETA 0708

0819 Desecheno I 4.58
Pt Higuero 7.12
Pt. Guanajibo 17.4

0830 Pt. Guan 17.25
Pt. Hig 7.1
Des 4.63

0910 Pt. Guan 17.7
Pt. Hig 7.35
Des 4.38

0945 Head + N Des 285°

0948 Pt Guan 18.1
Pt Hig 7.41
Des 4.32

1000 Head + N Des 285°

1008 Off bottom

(p. 1)

1010 Fix approx.

1040 Pt Guan? 18.08
Pt. Hig 7.28
Des 4.6
Location when dredg
broke loose from bott

1128 Pt Guanajibo 17.7
Pt Hig 7.5
Des 4.1

1st dredge – waterhan
2d dredge – over 1200
Brake, N 6000' out,
1230.

1233 fix: Des: 4.85
Hig 7.05
Tan. S. May – 18.05
9.0–5

1323 Directly above
dredge – dredge broke
loose (or off)
pt Guana 18.0
pt Hig 7.2
Des 4.7

29 Jan, 1969 Weds (p.2)

Enroute to 2nd station which is at approx 18°15.2 N, 67°32.8 W

1429	Desecheo	4.0
	Pta Higuero	7.9
1441	Desecheo	3.33
	Pta Hig	9.75
1503	Desecheo	4.78
	Pta Hig	12.9
1516	Desecheo	6.64
	Pta Hig	14.62
	Pta Guanajibo	20.2

ETA on #2 1537

1527	Desecheo	8.35
	Pta Hig	16.5
	Pta G.	20.9
1536	Desecheo	8.8
	Mona	18.9
	Pta. Hig.	17.6
	Pta. G.	22.0
1546	Desecheo	8.4
	Mona	19.0
	Pta Hig	17.6
	Pta Guanajibo	22.4

1555	Mona	19.5
	Pta H.	22.2
	Pta G.	17.2
	Des.	7.9
1616	Mona	20.0
	Pta H.	16.65
	Pta G	21.8
	Des	7.68
1626	Mona	19.9
	Pta H.	16.7
	Pta G.	21.5
	Des.	7.9
1636	Mona	19.7
	Pta H	16.87
	Pta G	21.6
	Des	8.0
1649	Mona	19.5
	Pta H	17.04
	Pta G	21.7
	Des.	8.4
1706	Mona	19.35
	Pta H	17.2
	Pta G	21.5
	Des	8.6

Begin Dredging

29 Jan 1969 (p.3)

1730 Mona 19.2

Pta H. 17.4

Pta G

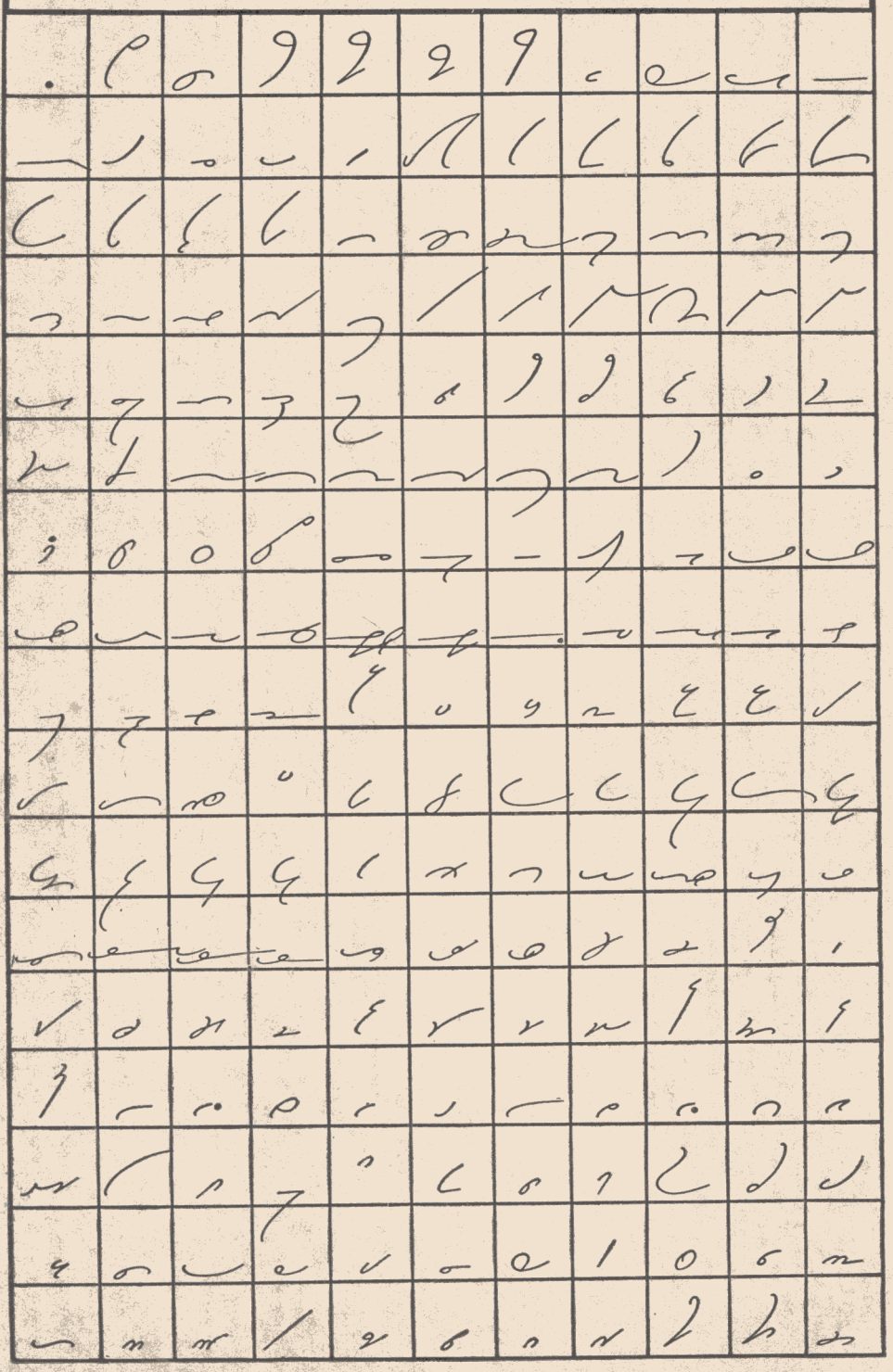
Des 8.83

Course for tone, 106° to steer

1745 End of tow

1850 Des 9.6

Tan Hig 14.2

CHART OF BRIEF FORMS

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