Schwab JEAN A MAYAGUEZ
JENA 90-3
Dec. 7-11, 1990
NAVIGATION LOG

NAV
LOG

Jean A

90-3

MAYAGUEZ

Dec 06, 1990
to
Dec 15, 1990

7530 - 00 - 286 - 6952
FEDERAL SUPPLY SERVICE

104770

for offset calc's see NAV log for Jean A 90-1 & 90-2
(same type binder) Vieques (Delorey) Mayaguez (Schlee)

Atalaya NAD27

code 4 site 1
x 236909.3
y 175184.4
z 1171 ft
(offset)

Willy's NAD27

code 1 site 2
x 266777.7
y 142552.6
z 931.8 ft
12/8/90 @ 1600 changed to Code 2

ship Aut 24 ft

init Position Mayaguez x = 246129
y = 140818

NAD83 to NAD27 shift
.1197 minutes north (220 meters)
.0225 minutes West (39 meters)

Program MINIR3.BAS

$\frac{x}{y}$

(GMT = +4)

~~341~~
12/7/90 DAY 341 Team A

1130 (0230 LOCAL) ARR Dock X 246129
y 140818

1300 (900) sorted ~~[illegible]~~ new NAV prog – ready to start test lines

1325 ~ SOL 1 (MIR07DEC)
1333 Stop CPU to change output to Qmips
1339 CPU Back on
1410 QMIPS CPU Problem – Stops running – room temp fairly cool.
1420 taking Qmips CPU apart.
1509 Qmip NOT working – heading back to Mayaguez
1540 (1140) Back @ Pier

1737 Restart NAV sys) Qmip seems ok now – mystery

1815 Dep Dock (2815#) GPS ON LAPTOP
MR ON PC

1839 SOL 3 MR07DECB
1914 EOL 3

1917 SOL 4
1939 Rocks 18 ~~[illegible]~~ 173 67 11.1824
1953 EOL ~~[illegible]~~

2003 SOL 5
2038 EOL 5

2044 SOL 6
2118 near ref Algarrobo & ~~[illegible]~~ buoy – Willy's MR station blocked getting BS.
2121 EOL 6

2140 (540#) tie back up Mayaguez
xy in meters
LPRINT DATE
MARK LPRINT time
LINE NO

DAY 342 Jean A

[illegible] Day

[illegible] Boat (7 AM)
[illegible] Dep Dock

[illegible] SOL 7 (MR) C-330 S-5.3
1244 EOL 7

1250 SOL 8 C-150 S-4.9 (Return of line 7)
1316 EOL 8

1330 SOL 9 C-330 S-4.7
1335 lost NAV WILLY'S STATION (Code 1 DOWN)
1348 ABORT Switch to GPS — but High PDOP
1403 GPS ON

1426 SOL 10 GPS ON CRT & Printer shifted NAD83 to NAD27
GPS ON TAPE STILL IN NAD83
1441 EOL 10 PDOP > 7
1454 ~~Shutt~~ Shutting down — no NAV (11 AM)
1530 ARR Dock

Replace code 1 w/ code 2 @ Willy's
1711 Dep Dock (1:10 PM)
fixed bug in LLXYGPS.BAS — program
incorrectly added .1197 to lat & .0225 to lon
only effected endpoints of line inputs NAV POSIT'S OK

(MR) note new code installed @ Willy's
1752 SOL 11 C-329 S-4.2
1758 NAV CPU CRASH PWR supply (line conditioner) Recover data
1810 NAV OK (DOFF 140)
1819 EOL 11

1840 SOL 12
1848 EOL 12 big circle

1858 SOL 13 C-~~[illegible]~~ 150 S-4.7
1925 EOL 13

12/8/90 Day 342 Team A (page 2)

1938 SOL 14 C-330 S-4.7
2011 EOL 14

2023 SOL 15 C-150 S-4.4
2050 EOL 15

2116 SOL 16 fill in on line 14 data gap
2136 EOL 16

(06:20 pm) Dep Ship for home

[illegible] Day 243 Jean A ANASCO River Sewer Project mosic

[illegible] (0700^A)
[illegible]

1201 SOL 17 test line no side scan C-337 S-4.7
1224 EOL 17
1847

1231 SOL 18 ReRun line 17 C-150 S-4.5
1238 ABORT data recording syst not working properly

1249 SOL 18 C-150 S-4.5
1301 Qmaps recording started DON ≈ 1500 RNJ ≈ 1600
1313 EOL 18

1322 SOL 19 C-330 S-4.7 (time check) GPS [illegible] -6 secs from PC
1346 EOL 19 (Add 6 secs to GPS time to = PC time)

1400 SOL 20 (10^AM) C-150 S-3.7
1414 EOL 20

1420 SOL 21 Pickup missing data on line 18 C-330 S-4.2
1433 EOL 21

1447 SOL 22 C-150 S-4.3
1516 EOL 22

— (split file) —

1521 SOL 23 C330 S 4.2
1552 EOL 23

1555 SOL 24 C150 S. (GPS off on LAPTOP)
1605 (NAV off) Bug in Qmip NAV STREAM BOSY not integer lat
1620 Back on was decimal lat
Abort line Qmip problem reading NAV MSG set BOSY = fix(BOSY)

1649 SOL 25 (ReRun of line 24) C330 S 3.8
1655 (GPS BACK ON LAPTOP)
1723 EOL 25

12/9/90 Team A DAY 343 page 2

1734	SOL 26	C-150	S-3.7	MR Posit Jumping ck data file
1806	EOL 26			
1813	SOL 27	C-330	S-4.0	
1830				PC is 5 sec faster than GPS
1847	EOL 27			Add 5 sec to GPS to = PC
1852	SOL 28	C-150	S-3.9	
1924	EOL 28			
1931	SOL 29	C-330	S-3.6	OVER outfall @ lat 14.50 to 14.55
2006	EOL			
2016	SOL 30	C-150	S-4.2	
2035		crossing trench		
2046	EOL 30	haul in gear. going home (447 pm)		
2115	Arr Dock	(0515 pm)		

12/10/90 DAY 344 (Monday) Jean A

1150 ARR DOCK Picked Willy up @ AP. BJ, TFO, Rick, Willy, MILTON, Bru TAGG
1210 Dep Pier Richie & Henry

1238 SOL31 PC fast By 9 secs PC-9 ~~PC-3~~ = GPS C-293 S-4.
Cross tie // tune up line
1259 EOL31

1303 SOL32 C-355 S-4.2 tie line
1317 EOL32

1331 SOL33 C-150 S-4.2
1359 EOL33

1403 SOL34 C-330 S-4.3
1413 EOL34 lost Qmips Rebooting the CPU

1509 SOL35 Bathy line no Qmips or Hurtec 3.5 only
1533 EOL35

1614 SOL36 fillin line. C 330 S 3.4
1640 EOL36

1649 SOL37 C-150 S 4.0
1650 EOL37 ABORT TO FAR OFF LINE

1658 SOL38 rerun line 37 PC 8 sec's fast PC-8 = GPS
1712 EOL38 └ data @ beginning dg - Speed change ↑ moved fish ~~out~~ toward surface to much.

1716 SOL39 Rerun line 38 (37) ~~[illegible]~~ C 330 S 4.3
1731 EOL39

1753 SOL40 C-079 S-4.6
1810 over defusers @ outfall
1813 EOL40 (heading in) (2814 pm)

12/11/90 DAY 345 Team A **Fault Survey**

1130 ARR Dock (730am)
testing Prog for mesotech reading binary from controller/decode/ca

1522 Dep Dock test mesotech (1122AM)

		Line #'s	fault survey	
1816	SOL 1	(41)		PC time = GPS time
1826	EOL 1		12	
1829	SOL 2	(42)	23	
1831	EOL 2			
1831	SOL 3	(43)	34	1837 POSSIBLE FAULTS
1838	EOL 3			
1840	SOL 4	(44)	45	very close to shore – NAV out Willy's station is blocked by Hills
1847	EOL 4			
1847	SOL 5	(45)	56	
1852	EOL 5			
1852	SOL 6	(46)	6-7	18
1859				LOST NAV blocked by Hills
1903				BACK ON
1906	EOL 6			

1920 ARR Dock (316PM)

Microtech RS232 Male/male, wire pin 2 to Bx pin 3 on PC side

Boot PC must have printer on, disc in drive (F:/A:)

cd QBAS

QB2 ~~ALT F open MINIRMSO~~ (Runs QB)

~~Shift F5 to Run~~.

ALTF, open, tab 8 arrows MINIRMSO

Shift F5 (Runs program)

~~[illegible] DAY 347~~
12/13/90 DAY 347 Jean A CORAL SAMPLING
1110 ARR D[illegible]
1130 [illegible] (7^30) ARR Dock - load diving gear

(11^AM) Dep Pier

1141 ON STA [MSG1] 18 14.67 67 12.5 target
Anchored POSIT 18 14.6481 6712.5385

1201 FIRST SET DIVERS OVER
1415 DIVERS ABOARD
1429 underway

1447 ARR [CS1] 18 14.3 67 11.48 target

ANCHORED POSIT 18 14.2078 67 11.4496 (178.9 M @ 342)
1530 Dep

1545 ARR [MSG2] 18 14.32 67 12.0 target

1600 HEADING IN

1630 ARR Dock

12/14/90 DAY 348 Jean A Sampling

1110 ARR Dock (770 AM)
1240 Dep Dock

ARR 6 (30 PM) Dock

12/15/90 MacroTech Test
grab samples to Schwab (BI, BD gone)

~~long~~

Longitudes have pos — Change to neg

lines 9 & 10 all screwed up