SCHWAB/WEBB

ELECTRONIC LOG

Q-MIPS LOG

900490mp 104974

JA-90-3

ANASCO

7530-00-222-3521

SCHWAB/ WEBB	JEAN A JENA 90-3	ANASCO, PR

DECEMBER 7-15, 1990
Q-MIPS LOG

12/7/90

- TEST DAY.
- TUNED SYSTEM --- HAD PROBS WITH Q-MIPS (CPU?).
- RAN LINES 3, 4, & 5 S.S.

12/8/90
TUNING OF LINE 7
L8 F1.DAT 1250/342JD.
DIVISORS P=10 S=10
PROBS TRACKING BOTTOM (PROP NOISE & SOFT BOTTOM)
1303 - CHANGE GAIN & DIVISORS -- THE PORT (NEAR RANGE IS TOO HIGH).
- DIVISORS REMAIN @ P=10 S=10
- GAINS ADJUSTED / BOTTOM TRACKING IS A MESS!

L9 F1.DAT 1323Z/342JD.

LOST NAVIGATION 1336Z
L10 F1.DAT ~1405 - TRANSIT TO LINE 10
START TO USE GPS (10 SEC. DELAY)

~~[illegible]~~

L10F1.DAT OFF 1414 --- NO NAV.
QMIPS DIED ONCE AGAIN.

1424 - NAV (GPS) ON TRANSIT
TO LINE 10 (Repeat of 9)

L10F2.DAT 1427Z (ON GPS)
CAN SEE ANASCO RIVER PLUME ON
SONOGRAPH.

1442 - NO NAV AGAIN
GPS OFF LINE
UNTIL 1600 LOCAL TIME

SHUT DOWN - NO NAVIGATION

START UP QMIPS 1725/342JD.
TRANSIT TO LINE 11 - L11F1.DAT

L11F2.DAT 1753 S.O.L.11
1759 NAV. OFF LINE
POWER SUPPLY QUIT
1810 NAV BACK ON

L12F1.DAT 1825Z
START LINE 12 - 1840Z
L12F2.DAT - 1857Z

BOO US LINE

L13F1.DAT S.O.L. 13 1858Z/342JD

EOL 13 1925Z

WATER COLUMN REAL NOISY.

L13F2.DAT TURN TOWARD 14

1931Z (REAL NOISY)

L14F1.DAT S.O.L. 14 1938Z

⊗ 1946-1957 DATA LOSS

1957 RETRIGGER

L14F2.DAT 2015Z TURNING

L15F1.DAT 2023 SOL 15

2041 → 2043 "DATA GAP"

EOL 15 2050Z/342 J.D.

* NOISE HAS INCREASED DRAMATICALLY

L16F1.DAT - FILL IN GAP IN LINE 14

S.O.L. 16 2117Z

2136Z SHUT DOWN QMIPS

HEAD FOR DOCK

12/9/90

343JD/1142Z

SET UP --- DEPLOY GEAR --- HEAD TO SITE --- APPROACH LINE 17

DIVISORS P=8 ST=8

12:12 set divisors to 9 - nav ~~still~~ off-line - checking

12:44 restarting line 18 had to reset exabytes

12:49 SOL 18 exabyte still not on-line.

trying to write to y:

L18FI.DAT - SHORT LINE

L9FI.DAT (LINE 19 TOTAL) DROPOUTS DUE TO FISH BEING PULLED IN (TOO HIGH)

L20FI.DAT (LINE 20)

Divisors set at 8 - not bothering to track altitude - to much noise.

JD 343

Tuned the Klein based on the QMIPS display - Histogram + sonar pixel strength. Works out the best. Left the divisors at the default: 8.

1413 EOL 20

JD 343

1420 SOL 21
1433 EOL 21
1447 SOL 22 } NOISE IN FAR RANGE ??
1516 EOL 22
1521 SOL 23 -
1520 STARTING TO HAVE NAV PROBS
↕
1552 EOL 23
1555 SOL 24

16:23 Z Found that navigation was being sent wrong

* the value for lat minutes was being doubled in the nav string. Will have to ~~[illegible]~~ divide the value for lat minutes in half for all lines 23 on down.

*This is now ok

ID 343

1640 Z

changed ~~com~~ com1 to:

2400 baud
8 data bits
1 stop bit
no parity

16:53 Z - EVERYTHING IS NOW OK.