94LCA01

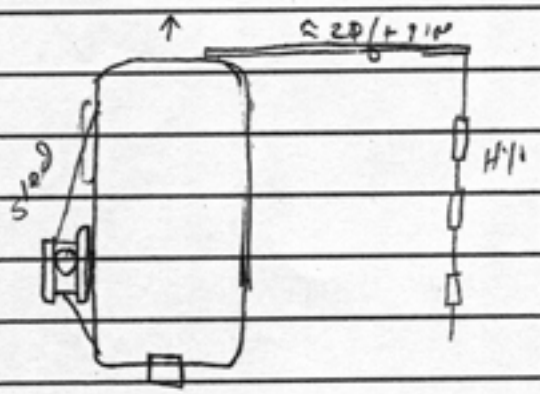
1/25/94 - 1/31/94

1/25/94 Orange lake 12:18 GPS Time

29° 26. 996N } ORANGE LAKE RAMP
82° 12. 820W }

- all gear running off USGS Gen
- motor overheat on departure due to clogging of water inlets
- lots of nothing but AC noise
  side by side tows switched to rear tows
- no better results - broken wire found in hydrophone

1/26/94 Orange lake Huntec - Low power



2500W SW Mgt Dist Gen — Huntec - separate grounds - gen/Huntec
5000W USGS Gen — Computers - grounded via cable over side

ORITST2: - seismic / .TRA, PAR extensions for seismic data
ORITST2 - sps / .DAT, ATT extensions for nav data

- NOTE - Hydrille clunk to lake bottom due to cold

EQUIP = DELPH2X, OYO Sacrapon GS612 plotter, Sony 501 M/O drive, Geolink GLXDS, TRIMBEL NAVTRC GPS, HUNTEC Power supplies (lowest power setting)
1-2.5Kw Gen (110v) for Huntec 1-5 kW Gen for Delph 2 sys.

DISK #156803M - SIDE A

1/26/94

SOL ORJ126_1 29 27.5 36N, 82 11.204W 11:09 - SEISMIC ≈4Kts (500ms sh)

ORJ126_1 - NAV

shot 1700 - Hydrophone nose lowered closer to water

shot 2100 - ASC off

shot 2900 - tried various hydrophone switch settings

shot 3700 - turn due to fishing boat

shot 4100 - turn ≈90°

shot 4500 - small correction turn

shot 5000 - turn ≈90°

shot 5500 - boat wake

shot 6900 - engine off test - then back on

shot 8400 - small turn correction

shot 9550 - turn ≈90°

shot 10250 turn ≈90°

shot 1450 EOL

EOF ORJ126_1 NAV+SESIS

1/26/94

SOL ORJ126_2 - 1400 29 20.158N, 8211.761W ≈4Kts - seis (500 ms shot)

ORJ126_2 - NAV

shot 200 - turn on line

shot 4400 turn ≈90°

shot 4650 - 4800 - signal goes away

shot 5000 turn ≈90°

shot 8400 boat wake

shot 8600 turn ≈90°

shot 10050 turn ≈90°

shot 10850 feature

shot 13400 feature

shot 13750 - turn

Shot 15100 - turn ~90°

NOTE: when comments entered in Geolink XDS
they may delay a position output to delph
(if position output and comment occur at
the same time) (see shot 15300)

shot 17300 - turn 090°

Shot 18200 turn 090

EOL - 20500

EOF, EOL

1/27/94 - windy, choppy

SOL - ORJ127_1 11:27 29 27.620 N, 80 11.311 W ~4Kts Seismic (250ms)

{ ORJ127_1 11:27 NAV

shot 20150 - turning into chan. (P.G. Run?)

shot 21900 - in chan.

shot 24000 - 24100 - signal dropped (saturation?)

shot - 2860 - turn around in dead end chan.

EOL shot 2820

1/27/94 winds / choppo

SOL ORJ127_2 14:04 2926.470N 82 07.638W ~4Kts Seismic (250ms)

ORJ127_2 NAV

shot 900 - hydrophone towing out of water

shot 1100 - hydrophone

EOL - NO DATA SAVED in Seismic - line Useless

NOTE - BAD DATA

1/27/94

SOL ORJ127-3 Seismic 14:31 2926.371N, 8208.232W (250ms)

ORJ127-3 NAV

SHOT 3800. TURN

SHOT 4200. 4300 - signal gone - hydrophone to close to vegitation

SHOT 5550 - turn (choppy - strong currents)

SHOT 8500 - feature. GPS fix 70

SHOT 11650 - TURN around (reverse direction)

SHOT 11900 - on line

SHOT -3260 - features

SHOT -3160 - Hydrophone in Hydrilla weeds

EOL SHOT 3100

1/27/94

SOL ORJ127_4 Seis 16:57 2925.895N, 8211.778W 24.0Kt (250ms)

ORJ127_4 NAV

shot 850 - turn

shot 1900 - entered hydrilla - signal bad

shot 3100 - exit hydrilla - signal returned

Shot 4700 - enter hydrilla - signal bad

EOL shot 5000

1/28/94 Ubl

SOL ORJ128_1 Seis 11:37 } No DATA SAVED - recording not identified
ORJ128_1 Nav }

1/28/94 Weagy - Bunny Sinkhole

SOL ORJ128_2 Seis 11:43 (250 ms) (10 sec Nav fix)
ORJ128_2 Nav

shot 1250 - shot 1400 - power supply plug removed - signal lost
shot 3400 . NAV fix 83 - hole
shot 3800 - turn - circular
shot 3900 - hole

NOTE - circular turns around hole - hydrophone outside shoot
shot 5300 - boat stopped against tree - hydrophone retrieved
shot 6800 - hydrophone redeployed

NOTE circular turnaround hole - hydrophone inside shoot
shot 9500 sinkhole
shot 10400 - sinkhole
shot 14750 - hole
shot 16000 paused record
shot 16100 resumed record
shot 16900 - hole

EOL shot 17300 - ran up boat ramp

14'000
2500
11.500

1/28/94

SOL ORJ128_3 13:55, 2925.965N, 8212.001W (250ms) (30 sec NAV)

ORJ128_3 NAV

shot 1050 - turn

shot 4250 - turn (ATT #35)

shot 8500 turning into channel

shot 1450 - feature

line frozen due to rain gear - no EOF on file

- line did not save to disk - file stopped when covering equiptment with tarp while acquiring data

1/31/94

SOL ORJ131-1 seis 10:32 (Note NAV started late) (250ms, 30sec NAV)

ORJ131-1 NAV

shot 3200 - course correction

shot 11300 - turning to ⊥ shore

shot 12100 - cross creek

shot 23000 - momentary signal loss

shot 30600 - Delay & origin change

shot 31000 - Delay = 6ms, org = 4ms

NOTE ORIGIN & DELAY CANNOT BE RESET TO ∅ ON PLAYBACK IN CONTROL OR PROFILE.
- The delay/origin messes up record.

shot 31200 - River Styx

shot 31700 - turn - Delay = 0, org = 0

* shot 32700 - NOTE next shot noted was (-3270)
- numbers begin decreasing (-3230, -3220)

occurs in every file

shot (-3160) - orange delta (fix 277)

shot (-3150) - turn (following shore grass)

EOL fix #292 13:00

1/31/94

ORJ131-2 seis 13:03, 2929.629N, 8213.025W (250ms kg) (30 sec Nav)

ORJ131-2 NAV

shot 4200 - turn (Fix 35)

shot 6200 thru 7100 - delay test

FIX 155, 156 - solution pipes (!)

shot 22900-23900 - GPS lost

Fix 195 GPS back

EOL Fix 236 15:07

1/31/94

SOL ORJ131_3 (Seis) 13:09:29 25.900N, 82 09.323W (250ms) (30x NAV)

ORJ131_3 (Nav)

shot 8600, Fix 72 – Power Supply Gun off

shot 9000, Fix 74 – Power supply back on

shot 21800, Fix 179 – Turn

EOL Fix 188 16:44

1/31/94 following shoreline

SOL ORJ131_4 (Seis) 16:48 29 28.901N, 82 12.394W, (250ms) (30x NAV)

ORJ131_4 (NAV)

NOTE PLOTTER FAILED - STOPPED LINE FROZE MACHINE