Folger/ Colman NEPTUNE Chicago
NPTN 90-1
May 14-20, 1990
SEISMIC LOG & LINE LIST &
ILLINOIS STATE G.S. LOG

104754

L#	tQMIPS	tBATH	tSEIS	tSIDE	tOBS*
1 sol	18:25	-	-	-	-
1 eol	18:42	-	-	-	-
2 sol	15:48*	-	-	-	18:48 MC/DF
2 eol	19:05	-	-	-	19:05 MC/DF
3 sol	19:14	-	-	-	19:14 MC/DF
3 eol	19:24	-	-	-	19:24 MC/DF
4 sol	19:27	-	-	-	19:27 MC/DF
4 eol	19:35	-	-	-	19:35 MC/DF
5 sol	19:42	-	-	-	19:42 MC/DF
5 eol	19:50	-	-	-	19:50 MC/DF
6 sol	19:56	-	-	-	19:56 MC/DF
6 eol	20:04	-	-	-	20:04 MC/DF
7 sol	20:37	-	-	-	20:37 MC/DF
7 eol	20:46	-	-	-	20:46 MC/DF
8 sol	20:51	-	-	-	20:51 MC/DF
8 eol	21:00	-	-	-	21:00 DF
9 sol	21:30	-	-	-	21:30 MC/DF
9 eol	21:36	-	-	-	21:36 MC/DF
10 sol	21:43	-	-	-	21:43 MC/DF
10 eol	21:52	-	-	-	21:52 MC/DF
11 sol	21:57	-	-	-	21:57 MC/DF
11 eol	22:05	-	-	-	22:05 MC/DF
12 sol	22:22	-	-	-	22:22 MC/DF
12 eol	22:31	-	-	-	22:31 MC/DF
13 sol	22:47	-	-	-	22:47 MC/DF
13 eol	22:57	-	-	-	22:56 MC/DF
14 NO LINE					
15 sol	21:32	21:33	21:32	21:32	21:32 DF
15 eol	21:46	21:46	21:47	21:46	21:46 DF
16 sol	21:51	21:51	21:51	21:51	21:51 DF
16 bouy			-		
16 eol	22:04	22:05	22:04	22:04	22:04 DF
17 sol	22:09	22:09	22:09	22:09	22:09 DF
17 bouy			22:17	-	
17 eol	22:22	22:22	22:22	22:22	22:22 DF
18 sol	22:27	22:27	22:27	22:27	22:27 DF
18 bouy			22:35	-	
18 eol	22:41	22:41	22:41	22:41	22:41 DF
19 sol	22:51	22:51	22:51	22:51	22:51 DF
19 bouy			22:58	22:58	
19 eol	23:04	23:04	23:04	23:04	23:04 DF
20 sol	23:12	23:12	23:12	23:12	23:12 DF
20 eol	23:26	23:26	23:26	23:26	23:24 DF
21 sol	23:33	23:33	23:33	23:33	23:33 DF
21 bouy			23:40	-	

21	eol	23:46	23:46	23:46	23:46	23:46 DF
22	sol	17:55	17:55	-	-	12:55 SC/DF
22	montrose jetty		18:07			18:07 DF
22	loyola univ		18:48			18:48 DF
22	farwell ave		18:54			18:54 DF
22	birchwood					19:07 DF
22	lake st evanston					19:29 DF
22	nw univ obs		19:42			19:42 DF
22	bahai		20:13			20:13 DF
22	kennleworth waterwk					20:23 DF
22	elder lane park					20:30 DF
22	'waterworks'		20:47			
22	old sewage plant					21:37 DF
22	eol	21:37	21:37	-	-	
22	eol					16:55 SC
22	eol					21:55 DF
23	sol	16:17	16:17	-	16:58	11:17 SC
23	crs chg		16:52			11:51 SC
23	crs chg		17:17			12:17 SC
23	crs chg		17:36?			12:18 SC
23	waukegan buoy		17:46?		-	
23	waypt 5				18:11	
23	eol	18:59	18:59	-	18:59	12:59 SC
24	sol	21:19	-	21:13	-	16:13 SC
24	eol	21:36	-	21:36	-	17:01 SC
25	sol	21:40	-	16:40	21:55	16:40 SC
25	eol	-	-	22:01	22:01	17:01 SC
26	sol	22:07	-	22:04	22:04	17:04 SC
26	eol	-	-	22:25	22:25	17:25 SC
27	sol	22:32	22:32	22:32	22:32	17:32 SC
27	eol	22:53	22:53	22:53	22:53	22:53 SC

NEPTUNE 90-1 Chicago

OPS							COMMENTS AND OBSERVATIONS
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	

11 MAY 90 - To Chicago
12 MAY 90 - Set up Del Norte stations
13 MAY 90 - Mob Neptune & set up Del Norte Stations.
14 MAY. - Capt. Richard Race
Mate Tim Cogswell
Ken Paralski
Barry Irwin
Mike Chrzastowski
Frank Pranschke
Dick Tagg - Shore Nav.
DWF C.S.

U/W 1136 local.
on Stat. 1330 Surf wat. temp. 45°F
Stump location
Velocity -
Wire ∠ 10°

5'	1475	= 4839 ft/s
10'	1475	
15'	1475	
20'	1475	
25'	1475	
30'	1475	
35.	1475	15° wx.
40	1475	10° W/A
45	1475	
50	1475	
55	1475	

1400 Over site w/SSS -

OPS							COMMENTS AND OBSERVATIONS
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	14 MAY 90 NOPT 90-1
							1400 Commence recce of stump area
							1st Pass Hdg 107° 4 kts - Fish depth 12 m
							2nd Pass Fish depth 15 m.
							1435 3rd Pass 080 16 m fish depth bottom
							25 m
							1450 4th Pass 225 16 m fish depth 27 water depth
							1535 5th Pass 090
							550 yd 251 from moving 15 m fish
							depth 25 m bottom depth
							1550 6th Pass for new test Fish 7 m 77 bottom
							Bottom depth 25 m
							Conclude recce 1700 Retrieve gear
							1709 - steam for home.

OPS							COMMENTS AND OBSERVATIONS
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	

NEPTUNE 90-1 15 MAY 90 135 JD

U/W 0816
WIND N 10-15
On site ~ 1000
Trying to bring NAV on line
Made test passes w/ Klein over site
at 50 m range.

SOL 41 @ 1244 - 0 dim ✓
3.5 ✓
Klein - not funct. till
past trees.

EOL 41-42 1303
Ran 44 → 43 50 m LN 1
Strt 41-42 1348 50 m Range
Depth 76 m. Hdg. 045
EOL 1305 -

Rerun shortened Ln 3 (44 → 43) =
SOL 3 1414 LMT 1914 GMT
EOL 3 1924

LINE 4 (39 → 40) 100 m Range
SOL 1927
EOL 1935

LINE 5 (48-47) 100 m Range
SOL 1942
EOL 1950

OPS							COMMENTS AND OBSERVATIONS
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	
							LINE 6 (35 → 36)
							SOL 1956
							EOL 2004
							Line 7 (32-31)
							SOL 2012 ABORT SSS Crashed
							LINE 7 (31-32) 2044 78466 1878763 } BIG TGT
							SOL 2037
							EOL 2046
							LINE 8 (28-27)
							SOL 2051
							EOL 2100
							LINE 9 (51-52)
							SOL 2107 ABORT RAIN
							LINE 9 (52-51) Rpt.
							SOL 2130 200 m in. PARTIAL LOSS
							2136 Due to Rain.
							LINE 10 (55-56) NE
							SOL 2143
							EOL 2152
							LINE 11 (60-59) SW
							SOL 2157
							EOL 2205

OPS							COMMENTS AND OBSERVATIONS
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	
							LINE 12 (9 REPEAT) (51-52)
							SOL 2222
							EOL 2231
							LINE 13
							SOL 2247 NW thru morning.
							EOL 2256
							Lv. Survey Site 1810 Local,

OPS							
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	

COMMENTS AND OBSERVATIONS

JD 136 16 MAY 90

U/W 1000

On station 1200 Set Buoy @

33334.38 Raw TD's

50179.58

33335.97 [illegible]

50181.07 @ 220

[illegible]

782634 1435

1878709

33334.38

33332.78

-1.60

Buoy Posit Loran Corr

41 49 10.4 33332.78

87 [illegible] 58.[illegible] 50177.79

50179.58

50177.79

-1.80

Actual Posit 1500 NE [illegible]

Resumey area and trees

[illegible] SUS 12

100m Line Spacing

Line 15 (41-42)

SOL 2132

EOL 2146

LN 16

SOL ~~2147~~

EOL 2204

OPS							COMMENTS AND OBSERVATIONS
12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA	
							LN 17 NE
							SOL 2209
							EOL 2222
							LN 18 SW
							SOL 2227
							EOL 2241
							LINE 19 NE
							SOL 2251
							EOL 2304
							LINE 20 SW
							SOL 2312
							EOL 2324
							LINE 21 NE
							SOL 2333
							EOL 2344
							Completed survey @ 2346
							Excellent conditions
							Long Buoy on site
							Steaming for Port.

OPS	12 KHz	3.5 KHz	CSP	MAG	GRAV	SONO	STA

COMMENTS AND OBSERVATIONS

NEW 90-1 JD 137

STRT TRN ALONG SHORE MONTROSE HARBOR TO HIGHWOOD – Winds W to WNW gusting to 50 kts. Much noise on SSS Records

LINE 22

SOL 1755

1807 E. end Montrose jetty.

1848 Loyola

1854 Farwell Ave.

1907 Birchwood

1929 Lake St, Evanston

1942 Dome Observatory.

2013 Bahai (Post ~ 100 m) – Much wave noise

2023 · Kenilworth Water works

2030 Elder Lane Pk.

2137 Old Sewage Plant

2155 EOL 22 Highwood Water Plant