

SC XVII
WATCH LOG
ORIG

95 G 6

STUDENT CRUISE XVII September 11, 1995

95-B-6

²
~~2100~~ Local Times

2120 Streamer aboard, NOT. winch is full; other loading starting.

2227 Getting underway

0315 (GMT) Started saving dshtec. nav (student cruises folder, SCXVII.95)

2247 Turned on echo sounder (3.5)

12 SEPT

0000 Stop for test deployment of Seismic gear

0012 Gun in water

0035 ~ BEGIN DEPLOYMENT OF SEISMIC ARRAY

~ 0150 Streamer deployed

0240 Turn around 180°, test turning rate for streamer, drop-off crew

0255 BEGIN STREAMER RECOVERY

0327 Gear on board & headed back to port.

0403 Incorrect course reading from 0445-0845 GMT
Change of watch.

Heading back to port.

0610/1110Z At TAMU dock, Galveston. Lines ashore.

0620/1120Z Personnel transferred ashore. Cast off.

0624 Getting underway

0800 Change of watch

1200 CHANGE OF WATCH

14:14 Belt change on 3.5 kHz (1411 GMT), change scale to 1/4.

1600 Change of Watch

1630 3.5 KHz changed from .5 to 1.0 ms pulse length

1814 S.O.L. B3 (3.5 kHz only) (W.P.1)

1920 E.O.L. B3 Start of turn to line B2 (W.P.2)

1924 S.O.L. B2 (3.5 kHz only) (W.P.3)

1958 E.O.L. B2 (W.P.4).

2004 S.O.L. B4 (W.P.5) (3.5 kHz only)

2150 EOL B4 (W.P.6) heading toward first core site

2216 on station Core Site #1

2317 Core #1 over side

2336 Core #1 on bottom

2344 Core #1 at surface

2353 Core #1 on deck

0000 change of watch

WATCH LOG

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STUDENT CRUISE XVII

SEPT 13

0515 ~~mt~~ changed sweeps from 10 → 3 on 3.5 kHz
underway toward line 10

0605 Passed great channel on 3.5 kHz

local time 0216 → change A delayed by by A only 200-400

~~0245-0630~~ →

~~(2:29)~~

~~0229 from 0245 to 0630Z depth reading incorrect~~

0322 ~~scale~~ ~~change~~ change 100-300

0340 we are heading to B9

0346 Sweep direction change + scale change 0-200

0358 turn around.

0400 scale change 100-300

0407 scale change 200-400

Change of Watch

On line B9 (3.5 kHz only)

0520 E.O.L. B9 (W.P. 11)

Begin turn to W.P. 12

0524 S.O.L. A1 (W.P. 12) (3.5 kHz only)
Changed sweep ^{direction} on 3.5 kHz

0636 E.O.L. A1 (W.P. 13)

Slowing to 5 kt. to deploy

~~seismic gear prior to starting line A2~~

Plan is to head N ~ 6 N.Mi., align with line A2, then deploy seismic gear

0648 Heading 330° at 9.6 kt.

0735 Heading 163° 3.5 kt

0745 Deploying streamer

0825 Air gun in water -

0827 Started shooting

0925 Passing through WP 1 (For A2)

0950 Compressor shut down,

stopped shooting; started a 180° turn

Sept 13

- 103720 Resumed shooting, turn back to line not yet completed
 1049 Back on Line A2
 1200 Change of watch
 1235 Scale change 200-400
 0203 1403? Scale change to 300-500
 0351 1551? Scale change to 400-600
- 1600 Change of watch
 1620 Reduce speed, was too high ~ 4.9 kt
 1640 Noted existence of eddy currents
 1657 Passed W.P. at end of line A2
 1700 E.O.L. A2
 Begin recovery of seismic gear
 1740 Seismic gear retrieved
 1745 Underway for Core Site 2
 1810 Near coring site, but refueling
 compressor before coring.
 1900 On station for Core 2
 1907 Corer on way down, Core Site 2.
 1927 Core reached bottom
 1939 Corer at surface
 1945 Corer secure on deck
 1948 Underway to station 3
 2027 On station for Core 3, scale change 300-500
 water depth = 787.5 m
 2053 Corer on way down, Core Site 3
 2108 Corer at bottom, 785.63 m water depth
 2115 Core #3 at surface
 2123 Core #3 on deck
 2150 Underway to Core site 4
 2217 On station #4,
 2222 Corer on way down
 2237 Corer at bottom,
 2246 Core #4 at surface
 2251 Core #4 on deck
 2330 Underway to station #5
 2402 2403 Station number 5.

- 2402 change of watch
 2443 core reached bottom depth 660m.
 2452 corer at surface
 2459 core on deck.
 0122 Underway to core 6
 0123 Sweep changed ~~3-10~~ 10-73 (0623 GMT)
 Sweep direction changed
 0137 change scale 400 to 600.
 0140 ops change scale 100 to 300
 0143 change scale 200 to 400
 0202 on station 6 core start going down
 at 0657. water depth 530.6 m.
 0210 core reach bottom
 0215 Core on surface
 0215 Question time intervals on 3.5 kHz at/around line
 labelled 0615
 - Note disturbed seafloor reflection (Turbidity current?)
 0248 on the way
 0302 Turning into SW extension of B6
 0325 → on B6.
 0335 → Change of PDR scale from 100 to 300
 0356 → Announce pass BP 9 (E.O.L. B6)
 0400 → Passing way point #10 (S.O.L. B4) (Extension).
 Change of Watch
~~Crossed to line B4~~ (W.P. 11) (our No. 56)
 0430 E.O.L. B4 Extension, turning to NNE
 end B5
 Lines B6, B4, B5 are 3.5 kHz only.
 0445 Wrong W.P. entered for NNE end B5
 0447 Changing course for correct W.P. (our W.P. 39)
 0458 Passing W.P. 12 (our W.P. 39)
 0500 Turning to start line B5
~~1000~~ Approx. S.O.L. B5. (3.5 kHz only)
~~1111~~ 0611 E.O.L. B5
 0620 Underway for a point 3 N. mi. S. of SSE End
 of A6 to deploy seismic gear there.

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14 SEPTEMBER 1995
JD 256 [257?]

0720 Turning to line up on A6
Commencing deployment of seismic gear
0745 - 0800 Changed paper on 3.5 kHz

822 started shooting seismic (SOL A6 / Line 3)

835 changed sweep direction on 3.5 kHz

0906 Bridge GPS track display went out

1124 EOL A6 / Line 3 (stopped recording)

continuing out for ~2 mi past EOL - bringing in streamer
to add weight to near trace section

1147 Beginning turn toward A7

1226 Start of line A7

1229 circling to go back to SOL (A7)

1258 1756 on the line 27.54.5. 95.33.5

~~1337~~ change scale 100 to 300.

1500 CHANGE SCALE 200 - 400

1600 EOL A7

Change of watch

Making long turn prior to shooting A8

Bringing in streamer to adjust buoyancy of tail

Making for "W.P. 6" (Bridge's terminology),

n 4 n. mi. S. of S.O.L. A8.

1632 At W.P. 6, lining up on A8

1650 Slowed to 2.8 kts to give more time for
streamer work.

1700 Letting streamer out

Reset rear bird, added weight and
lengthened tail rope

1712 Streamer deployed. On course for S.O.L. A8

~~2218~~ Started shooting seismic on A8 (not yet
local 1718 to S.O.L. WP yet, however.

~~2230~~ "W.P. 7" (Bridge notation), our W.P. 17. S.O.L. A8
1730 as plotted on base map.

~~2245~~ Note: "WP 7" not same as plotted SOL A8

1745 Basemap is wrong. A8 replotted. Bridge was
correct.

14 Sept 1995

Local time

2015 Last shotpoint of seismic line A8/line 5

2100 Starting recording for A9/Line 6

2104 Passing through W.P.

2335 Passing through EOL A9/line 6, pulling in streamer

15 Sept 0000 WATCH CHANGE

~0010 streamer recovered

~~0026~~
~~0026~~

Turning to due north course, change speed to 8 knots

local time 1230

0110 ~~C/C~~ 175°

0148 on station 0645. core 7

0204 reached bottom at 02 35 lat 27 36 26
long 95 26 44 depth 600 mts.

0316 → 0815 change sweeps to 3

0318 0816 on station. core 7.

0245 Possibly incorrect time on 3.5 kHz,

~~0832~~ → Reached bottom Water depth083645 ~~952604~~ ~~273562~~ 273562 952607
exactly into the channel!

0400 Change of watch

0435 Underway for next core site (to be located on N side of channel).

0455 On station at Core Site 9

0508 Corer on way down.

*0529 Corer triggered (Core Site 9).

0537 Corer at surface.

0620 Getting underway for SSE end A11

0644 S.O.L. A11 (W.P. 23)

0801 Passing through W.P. 22 E.O.L. A11,
turning towards A12

Did not quite reach end of A11. Turned early. Change of watch

0817 Passing through W.P. 24 SOL A12

15 Sept 1995

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Local Time

0940 Passing through W.P. 25, turning towards A10

1040 Passing through W.P. 21 SOL A10/Line 7
Started recording seismic

1205 → watch change

1220 → scale change 100-300

1251 → scale change 0-200

1308 → EOL

1439 BEGIN LINE B7

1443 change sweep direction

1423 change scale 100-300 2020

1600 Change of watch

1615 Reduced speed (Gyre data acquisition (GDA) system had been showing 5.5 kt).

1620 GDA 5.1 kt, Ashtech 4.63 kt.

1920 Gun depth appears to have been varying throughout watch. Orange floats sometimes visible and sometimes too deep to be seen. Speed has been fluctuating.

2000 change of watch

2009 passed thru W.P. - end of line B7; taking in streamer
2112 lining up for line B8

2115 Passing through beginning of Line B8

2130 All-stop for coring station 10

2158 Core 10 hit bottom

~~2245~~
~~0345~~
~~2251~~ under way back to line

~~0344.40~~ on line (B8)

2309 All-stop for coring station 11

2321 Corer went into the water

2337 core 11 hit bottom

16 SEPTEMBER 1995

1228 Underway 0926 to next station 27.31.26 and
953765 core site 12

1258 05 56 08 on station 12

0101 0600 ^{GMT} turned 3.5 recorder from 3 to 10

0607 core reach bottom

~~0619~~

0654 under way back to line B8

0655 3.5 sweep 10 → 3

0705 back on line B8

0725 change scale to 200-400

0740 change scale to 100-300

0822 change course + sweep directions
to 220

0900.00 changed 15 min mark

(0400 local) Change of Watch

0415 15 minute mark on 3.5 kHz record still
not correct (it made a mark $7\frac{1}{2}$ min. after
being restarted). Manual 15 min. mark.

0434 C/course to 025°

Have missed earlier ^{course} changes. Running zig-zag
survey to locate channel (3.5 kHz only).

0440 C/course to 054° (15-min. mark problem corrected
at 0437:30).

0453 C/course to 185°

0514 C/course to 090°

0530 C/course to 218°

0546 C/course to 090°

0559 C/ " " 085° (Minor correction to line, no change
to sweep direction)

0602 — " — 070°

0613 — " — 162°

0619 C/speed to dead slow

0622 Speed is 3 kt.

0630 W.P. 67 (New W.P.) → 27° 35.69', 95° 26.51'
This is to be core site 13.

0640 Corer over side.

0644 Corer on way down

0705 Corer triggered.

0714 Corer at surface

0645-0715 3.5 kHz not showing seafloor
 0745 Steering course 123 at 9 kt
 to make for core site 14

0800 change of watch
 0811 Heading toward core site 14

0819 Stopped for coring

0833 Core 14 away

0839 Core 14 on bottom

1052 Slowing down to deploy streamer ~~streamer~~ → 1110 SOL A4

1130 Started shooting seismic

1248 Sweep change

0138 Change scale 200-400

191500 Changed paper in 3.5

~~191900~~ 1922 Paper replaced in 3.5

0245 → End way point line A4 changed,
 is 44.3 in latitude.

0253 Change scale 100-300 @ 1951

1437 Sweep change 0 → 200

1558 Passing way point 2055

1600 change watch.

1602 End of line A4
 Turning to start line A3

1646 Start line A3

1655 Speed 5.5 kt. Asked bridge to reduce speed.

1635 E.O.L. A3 (n 5 min. beyond W.P. 7)
 (passed W.P. 7 n 1630)

1915 Reducing speed to recover seismic gear.
 Broken streamer connector causing delay
 in recovering gear

1958 Gear recovered. Underway for next
 W.P. for 3.5 kHz line.

Local time

~~0855~~ Passing through WP 3
 2055
 2119 Starting Line B6.5
 2126 EOL B6.5
 2132 SOL B7.5
 2144 EOL B7.5
 2154 SOL ZIG ZAG Leg #1
 2205 SOL ZIG ZAG Leg #2
 2215 EOL ZIG ZAG, heading back to Galveston
 2203 Scale on 3.5 = 0-200
 1205 Sweep changed 3 → 10
 0401 Change watch.
 0835 TTD - 58 min. to Galveston
 1120 Secured at Dock - Galveston