

EW 9101

WATCH LOG (Vol. 2) 0001

0611 2 MARCH, 91

2200 TURNING FOR 2 HOURS BEFORE SAP 2
2215 Gun #12 has leak.

2342 At planned SOL waypoint for Line SAP 2
On line, but guns not yet ready.

2357 SOL SAP-2/1069
0058 Increasing speed a little (to 5.1 to 5.2 kts?)

0100 - The LST suggests there is a gun autofiring
occasionally - about 7sec after start of
recording.

0351 Gun 13 off to untangle

0355 Gun 13 BACK ON

0700 Gun #3 off for servicing - looks like
not working still.

0808 Gun Shop says gun #3 in the, But not showing
on on CRT screen.

0830 ϕ 320°

0855 ϕ 317°

1010 Gun #3 now shows as "on" on CRT Screen
#17 still sporadically late/early.

1309 Dodging ice - will be off line to SW for
a while.

1335 Speed over ground 5.5 kts; asked bridge to slow 1/2 kt B

141337 EOL SAP 2/1069

65 49.00 S

71 48.90 W

2 1/2 - 3 hr turn

EW9101 Watch Log
062 3 March 1991

0002

1828:29Z 65 40:815 S
71 52:050 W
SOL SAP-3 / 1070

2000 c/c 222°

2035 c/c 225° c/s 100RPM (slowing)

2130 c/c 227°

2150 c/c 231°

2336 c/c 228°

063 0020 c/c 225°

4 Mar 90

0043 c/c 221°

0124 Guns #1 and 2 off to be unengled

0144 Guns #1 and 2 back on - firing again

0149 A bad air leak on gun #20 - being
switched off and pulled in.

0326 Gun 19 off gun 20 on

0336 Gun 19 back on

0451 Sonobuoy 37a deployed

0513 Sonobuoy 57a aborted

0518 sonobuoy 37 deployed

MAGNETOMETER

0533 ~~GRAVIMETER~~ record (analog)

malfunctioned (for past 3
hours) Science officer corrected
situation. The scale had been ~~reset~~
reset from 100 NT to 1000 NT!!

0745 c/c 236°

0900 c/c 228°

EW 9101 WATCH LOG
063 4 March 1991

0003

- 0917 90 RPM C/S
0930 Called bridge to increase speed. Streamer low (40-50) ft in front end.
1040 C/c 225°
1433 Ice avoidance manoeuvres - unspecified
150311 - Gun depth reading > box capacity for gun 1 = 306, turned box off
171332 Gun #8 not firing
1716 Gun #8 firing again
1925 C/c 231°
2008 C/c 229°
2108 C/c 227°
0014 Tape drive problems
-feet reel 1323 does not exist
1324 ditto
1325 ditto
1326 1st good
reel 1323 (drive E) wrote poorly for 4 cons. records, A'd drives. wrote 1 file to reel 1324 (drive C) & it AUTO unloaded. wrote 3 more bad records to reel 1325, same physical reel as 1323. (1323 lost) A'd drives again back to C which is now 1326. We just reloaded reel 1324 & it worked. We lost one shot (not recorded actually).
Last readable shot reel 1322 File 5358 SP5358
First readable shot reel 1326 File 5367 SP5368

EW9101 WATCH Log

064 March 5th 1991

0004

0045:33 EOL SAP3

0320 SOL SAP-4/1071

0655 Bringing in guns 13, 19
to discharge them.

0705 145° 9c

0715 All Guns back on line

0930 149° 9c

1025 9c 147°

1035 9c 145°

1257 Reduced gain slightly on Eds Websters LSPs

1313 9c 142°

1333 Guns 15, 16, 17 offline

1336 15 online? ~ instruments say yes, gunshop?
↳ yes

1400 Gun 16 online

1404 c/c 140°

1500 Gun 17 back on

1730 Bridge needs to circle around an ice berg
4 miles straight on. They are going to the
right and will be off course ~ 1/2 mile

ELW9101 Watch Log
064 5 March 1991

184235Z EOL SAP-4/1071,
taps 1327-1370

18 51 55 SOL SAP-5/1072

(Had some dia. resetting system)
Line SAP-4 had been ~~ext~~ intended to
be extended. The captain vetoed the
idea based on impending night fall
in areas with ice, original waypt
was used for EOL.

1933 0980 c/c

~2002 Piece of ice strikes guns. Guns
shut down for a couple of shots. All
guns back up 2006. Port Side.

2045 0920 c/c

2132 c/c 850 'ice evasion'

2215 c/c 0950 - Ice Everywhere.
Lots of small pieces coming under
the guns.

2019 Gun 19 off and coming in.

2027 Gun #19 back in the water - OK.

2056 Bridge notifies Lab that there's no room
for "one of those fancy butterfly turns"
at the end of current line; we'll just
turn left.

EW9101 WATCH LOG

0006

064 5 March 1991

2340 Start turn at EOL SAP5
2340:15 EOL SAP5/1072
2349:15 SOL SAP6/1073 (but still turning)

0022 On 335° for present, a little to
the right of the
There will be changes of course
to avoid ice

0117 c/c 330°

0135 c/c 325°

0805 c/c 333°

1215 c/c 327° ice evasion

1302 c/c 335°

1330 c/c 339°

1739 c/c 344°

1812 Gun 16 down

1624 GPS 1 out Δ NAV on UEL to SATDR
and on olive 18 GPS 2

1649 GPS 1 back up

1759 Gun 13 going down periodically
noticed gun stop

1835 Gun 13 out for maint.

1937 Gun #13 back in the water.

2005 c/c 341°

2100 c/c 338°

2125 c/c 335°

EW9101 WATCH LOG

0007

065 J 5 March 1991

F066J

2200 c/c 3330
2218 c/c 341°
2225 - Slowing down a bit. Streamer high 20-36" and tension 3300 lbs.

2248 - Compressors running a bit low ~ 1970
Compressors running at around 2000 now

2341 c/c 337°

Day 66 7 March '91

0054 Start turn at end of line SAP

0056 EOL SAP 6

0106 SOL SAP 7 (but still turning)

0123 End of turn. Steering 064°, but GPS is not too good at present, so it may be necessary to modify course when GPS improves.

0125 c/c 068°

0512 Wind speed 35kts ESE
waves impinging directly astern
streamer beginning to misbehave

0543 Guns 11 & 12 down for untangling
0553 Gun 13 down

0641 Guns 11, 12, & 13 back on

0724 c/c 072° iceberg evasion

0750 c/c 066°

0945 c/c 063°

1018 c/s 105 rpm. Strain a little higher

1118 Δ To SATDR freq bias problem GPS
speed, course, STD unreasonable

EW 9101 WATCH LOG

0008

066 J 7 March 1991

1145 GPS1 re-initialised. Changed back to using this for real-time plotting and for 'way-watch'.

1350 Gun 11 has not been firing for a while now TKS

1457 Start turn at end of Line SAP-7
- will probably be turning for about 30 mins

~~1458~~

1530:59 SOL SAP-8 / 1075

@ 6630:5035

7556:221W

to 1486

1950 c/c 142°

2021 Ice evasion - fog tonight

2024 c/c 155°

2035 c/c 148°

2110 4C 145°

2136 when slowed down about 2129 we got stuck in whole and ~~was~~ was going 2X as slow as wanted. Am now getting back to regular speed.

067 0000

0033 c/c 150°

0149 c/c 152°

0226 c/c 150°

0312:41 Launch SB #39

0439 c/s decrease to 13 Kts to 5.0

high streamer stream @ > 3250,

0618 Gun 11 not firing, no hit in Gun shop

EW9107 Watch log
OCT 8 March 1991 (cont)

0635 - air gun pressure alarm sounded @ 1750 psi, because gun 14 leaking air. Once backup for gun tech arrives gun will be pulled until then - low pressure for remaining guns.

0654 - gun out, #14

0750 - gun #14 back in H₂O & firing

0945 - c/c ~~148°~~ 150°

1045 c/c 148° c/s 98 rpm

1336 Start turn at EOL SAF 8

1350 End recording SAF 8 - ~~back~~
Half of gun array (port side) kept firing.

1545 SOL SAF- 9/10 76. Beginning of line during turn

1930 slowdown to 5.2 KTS

2030 c/c to 247°

2100 c/c 250°

2200 c/c 255°

2230 c/c 250°

2245 c/c 252°

2329 c/c 250°

EW 9109

WATCH LOG

0010

068J — 09 March 1991

0034Z Launch SB#40. Continuing SAP-9.

0530 - 0537 seismic recorder #3
stuck on event mark mode.Remedied situation by flipping
some switches, event mark, rapid
advance, ~~record~~ direction and eventually
corrected recorder to normal.0700Z Lots of Tape drive problems on
C-drive still continuing at ~~0800~~
0900Z. Have had to abort 4
tapes because of multiple TE'S
& SR'S0809 John Motter says "Everything is
fine". Except of course the C
drive still.~~0810~~ 1026 Bridge stage will be at waypoint
~ 11050 Z

1025 250° C

1108 EOL SAP 9

1114 SOL ~~SAP 9~~ SAP 10 → 'dog leg' turn of 7°

1142 C/C 244

1401 Speed has dropped to ~4.6 kts. Increasing to 5 kts.

1444 C 239°

~~#62~~ 1522 → aborted tape 1619 w/ 6 shots
All of errors. Decided to rehang tape
∴ 1619 no longer exists. ~~st~~

EW9101 Watch log
068 J 9 March 1991 (unit)

1550 - Second abort on C drive of the watch. Have rehung both aborts, and decide to work with only 1 drive based on the philosophy that a tape with 7 ^{spots} ~~shots~~ that has to be aborted is a waste and give 10th shot from the tape. Change is the lesser of evils. Drive D is being repair and may eventually come into use.

1653 Using drive C now with Memorex tapes which seem to have no problems
→ memorex tapes can go ~~back~~ into ^{Graham} ~~Memorex~~ boxes to keep tapes in order - now using drive D, leaving C on line

1703 Gun #3 → autofiring, calling Gun shop (gun pressure is a tad low)

- engine room cranked up, pressure a bit, still seems a touch low, gun tech says #3 isn't autofiring but "A" is still showing on the monitor - he's out to check it again.

1728z Replacing a switch on Seismic #1 flat-bed recorder.

1729 Gun 3 showing "N" is now, possibly a monitor prob. - Nope, problem with the shuttle (happened the other day with gun 14) will be bringing the gun in.

1730 Gun 3 off line

- called engine room to say could let pressure off slightly - was popping @ 2030 psi now 2000 - 2010 psi

EW9101 Watch log

068 9 March 1991 (cont)

1759 - gun 13 showed N's again
 (second time it has done so in 3 hrs)
 keeping eye on it)

1828 wind out of the SW @ 25 Kts

1850 c/c to right slightly to avoid
ice1855 Deployed Sonobuoy #42
(channel 14)

1903 Gun 4 off line (gun 3 still off)
 - looks like gun ~~#~~ 3 is going back
 in water.

1904 c/c 237° (before sonobuoy
reaches end of streamer)

1910 guns 3 & 4 back on line

2130 c/c 239° 2155 c/c 242°

2230 Speeding up a bit. Streamer a bit slow

2255 Gun #3 not showing gunfire - Gun #3 coming out
to check,

2305Z Gun #3 had flooded, but blown out
 successfully. Back on line.

2335Z 239° 069J/10 March

0125Z Speeding up to 5 Kts.

069 I 10 March 1991 (con't)

0318z 3rd engine is down - at power limit with the other 2 engines @ speeds 4.1-4.3 kts, streamer is acting sloppy →

Back 21 20 30 46 58 46 48 30 26 39 26 Port

0326 - asked engine room to lower airgun pressure was popping @ 2024
Now @ 2002

0331 - putting on 3rd engine (despite excess fuel usage) to bring speed up and to encourage streamer to behave - engines warming up, streamer @ 10' in some section, streamer strain @ 2717 lbs, speed @ 4.7 kts

0342
Streamer strain @ 3300 lbs b/c of 4.5 to 5.4 kts, streamer running very shallow, DT's @ 10'

0419 - front of streamer is coming down a little, last 2 DT's are remaining high however. @ 5.3 kts
FRONT 19 39 33 23 18 29 31 25 23 13 12 BACK

0542 Gun #12 "Autohrring" notified tech to check PSI @ pop 1980. 's possible leak (Auto firing continued until 0900!)

0544 Streamer still sloppy though better behaved than previously

EW9101

Lab
Watch Log

0014

069 19 March 1991 (cont)

0530 - Drive D @ tape 1660
 recorded 4 shots then "bombed"
 and power went off 2 shots lost
 got message "Sas tape not ready
 or right protect", Drive E picked
 up at 1661. There had been on line
 & write mag was in place / 1660
 No longer exists

0600 Gun 12 off line for repair

0704, All seismic recorders NOT recorder
 but are advancing, Joe had been
 checking some of the electronics
 in regard to the guns and
 possibly disconnected a crucial cable.
 Mutter: McGinnis attempting to
 correct

0706 Streamer ^{depth} configuration on monitor
 according to depth transducers is

Scrn →
 Front 18 36 34 23 19 29 31 24 - 28 18 27

after 2 hours of monitoring, transducers
 have not varied more than 3' each,
 conclusion is that DT's are no
 longer functioning particularly since
 one would expect @ 5.3 Kb and
 3200 fms streamer strain = 1 sea state
 2, streamer would be well behaved

0715 Ship has past waypoint, letting streamer
 go through before EOL @ 0740Z

EW 9101 watch log
069 10 March 1991 (com 'K)

- 0736 Start turn. Old Course 235°
New Course will be 329° .
- 0754 Course set for line SAP11 @ 054°
- 0805 Sonobuoy #43 deployed
- 0817 Slow down just a bit
- 0832 c/c 337°
- 0844 GMS. Says that Gun #12 probably won't be up before end of leg. They believe that the entire set ~~up~~ would have to be rewired, a possible break in the line from a tangle the other day (gun 12 = 500 ci)
- 0737 FURTHEST SOUTH !
 $69^\circ 26.1231' S$
 $78^\circ 34.4639' W$
- 1200Z ~ 10 miles after bathymetry map implies we finally reached the shelf edge.
- 1230 Gms 16, 17 tangled. Shutdown
- 1410 Maggie alarm sounded, no signal. Tim hit the reset and it seems to work o.k. now
- 1804 EOL SAP-11/1078
- 1808 SCL SAP-12/1079
- 2124 4C 062°

EW9101 Watch Log
Day 069 10 March '91

0016

2342 $\frac{1}{2}$ 067°

2349 $\frac{1}{2}$ 072°

Day 070 11 March '91

0050 $\frac{1}{2}$ 070°

- must c/c by 15° ~ will do it in 3 stages, letting streamer straighten in between each stage.

0113 $\frac{1}{2}$ 065°

0136 $\frac{1}{2}$ 060°

0200 Sonobuoy # 44 ~~#~~ deployed

0338 c/c 40 to right for ice avoidance

0346 Gun # 2 off line

0353 Tim says 2 is leaking, we were popping @ 1980-1995, asked Eng room to pump up the psi till the gun comes in

0345 Sonobuoy in audible: no recorder

0420 Sonobuoy back up & on records

0601 moving back on course after ice avoidance, streamer is looking somewhat unstable

0609 Gun # 2 back on line, (8500psi) asked Eng room to pump up the psi

EW 9101 WATCH LOG main lab
0705 11 March 1991 (cont)

0619 - Bridge called to inform
that we'd be holding this
course for 3 hrs, Bearing ~~043~~⁰⁴³
heading 042 and CMG @
37.5. Our current deviation
from the line is 3.6 ~~nm~~ nm.

10302 C/c 055° iceberg evasion, N

1123 Guns 1, 2 offline

1136 $\frac{1}{2}$ 060°

1140 Guns 1, 2 repaired + firing again
Gun 8 appears not to be firing

1310 Sonobuoy #45 launched.

1839 / Gun 13 popped off again

1937 gun pressure alarm went off. Losing pressure
~ 1850 PSI, Jim S. gone out to see
Gunnery

1940 Gun #15 is auto firing like a bastard
says Jim S. Now turned off
Gun pressure back up ~ 2029 psi.

2049 Gun 15 back online

2052 C/c 050° iceberg evasion
(big iceberg on starboard int'l hand)

2124 ~~056°~~ C/c to 056°

2218 C/c 059°

EW 9101

Ewing Watch Log

0018

070 J

11 March 91

2250 EOL SAP 12

67° 02.875' S

75° 08.869' W

LAST reel 1771

NO reel 1772

2304 SOL SAP 13

67° 03.025' S

75° 05.740' W

First reel 1773

2327 \angle 149°0112 \angle 144°0134 \angle 138°0508 A NAV GPS 1 \rightarrow GPS 2 on OLIVEGPS 1 \rightarrow SATDR on URI

NEED to REINIT GPS 1

0519 A NAV on both machines back to GPS 1

0521 GPS 1 down again, back to situation @ 0508

0545 return to situation @ 0519Z

0859:57Z EOL SAP 13 - 1080 - Last one!

0905Z Straw gauge & Compressor alarms go off. Turned off for rest of trip.

0900Z GPS being pulled in.

0910Z Ship turning to ~040° (beginning turn)

EW9101 Ewing Watch Log
071 12 March 1991

0019

- 0920 Starboard Gun boom now in position on Ship.
- 0859 MAGi No longer deployed
- 0930 Port boom in position on ship
- 0946 c/c 045° / streamer being pulled in
- 1155 Streamer all in.
Norwegian float (substitute tail buoy) gone.
- 1200 Increasing speed (to ~ 10 kts)
- ~1300 Magnetometer record re-started
- 1451 $\angle 031^\circ$
- 1636 problems with hydro sweep
- 1639 c/c slighted to right to ice avoidance
- 1600 \rightarrow hammering on hull \rightarrow
wreaking havoc on 3.5 kHz
- 2006 c/c 025°
- 2038 c/s 155 RPM
- 2100 c/c 032°
- 2135 c/c 035°
-
- 13 Mar 1991 072 J
- 0037 c/c 028°
- 0710 c/c 031°
- 0817 c/c 025°

EW 9101 WATCH LOG
072 J 13 March 1991

0020

1030 c/c to 030°

1254 % 017°

073 14 March 1991

0017 c/s to 12.5 KTS ~ put a 3rd engine
online

0021 crossed 200 mile limit

0045 ~ logging computer needed to reboot ~
not logging anything for a few minutes

0052 logging gap ended.

0720 c/c 020°

~0835 GPS dead; switch to SATDR

0847 switch back to GPS

0942 increase speed 160 RPM

1252 Bridge called.
Expect to enter 50 mile limit at midnight (local time)
tonight (i.e. 0300Z 074J).

1415 % 017°

1438 % 015

1641 - we are now using GPS 2
on both Olive & URI as GPS 1 has
been problematic.

2112 c/c 040°

2121 Retard clocks 20 minutes - now → 2100

EW 9101 WATCH LOG

0021

0735

14 Mar, 91

/ 074 15 Mar

~~2230 - (WATCH) WHAT~~

0120 Z Turned-ships clocks back another 20 min.

0140 c/c to 0350

0830 c/c to 000°

0900 c/c to 355°

1005 c/c to 000°

1034 c/c to 012°

1045 c/c to 000°

1027 Hydrosweep off

1245 c/c to 315°

~~074 J 15 MARCH~~

2000 - ~~was~~ recovering magnetometer
- cease recording

075 J

~ 950 GPS #2 dead.

1440 End of watchkeeping

The cruise has ended
it is done
finished
terminated

This is an ex-cruise,
passed-on etc