

BEGIN UNDERWAY GEOPHYSICS EXPERIMENT

0015

LEG FM 08-01

MAY 18, 1981

GMT

1300Z

STEVE CARLSON ON WATCH
STEERING 130° 1200 RPM ON TWO

1349Z

SHUT DOWN STB ENGINE

1414Z

138° STABILIZED 1 ENGINE

C/C

1427Z

BACK TO 1200 RPM ON TWO

C/S

1440Z

131° STABILIZED 2 ENGINES

C/C

1530Z

3.5 KHZ WORKING

1700Z

Greg Onstott on watch

steering ~~14°~~ ~~122°~~ 120°

1837Z

gyro heading 118° - was 123°

C/C

1947Z

dead slow on 2 - put out mag.

C/S

1957Z

magnetometer deployed (RECORDER NOT WORKING)

1959Z

speed resumed

1200/2

C/S

2020

STILL STEERING 118°

2100Z

Pet Williams on watch

Loran 119° Gyro 117° (course approx 118°)

" Sp 8.5 Kts

2300Z

* Bridge Requests ~~satellite~~ Satellite Fix Data
as soon as we receive it - call it
up on intercom

0000Z

Change GMT Day → 19 May '81

0010

Loran on correct GMT Time

0042

Reduce Speed for next work

8.5K → 3.9K

C/S

0050

Increase Speed to Normal 1200/2

C/S

0100

SCOTT FERGUSON on watch

STEERING 118, sp 8.5

FM 08-01

MAY 19 1981

- Potential problem with bathymetry data back to 0130 May 19, 1981 (Possibly beyond 0130)
- Problems w/ bathymetry confirmed. Bathymetry data invalid until further notice (0430)

0500 - Ed Nicol on watch
Steering 114°
Speed 8.9 kts

0654Z Noted CSC FOR Manuevers 83° Speed 9.4 C/C

0701 Back to 119° Speed 9.2 C/S/C

0710 113° Speed 9.4 C/C

0800 115° Speed 9.4 C/L

0900 - CARLOS GUTIERREZ on watch

Steering 114°

speed 9.1

1109 Reduce speed 9.1 TO 8.2 C/S

1110 INCREASE speed TO NORMAL C/S

1200 STEERING 105 1200/2 C/C C/S
(TO GET THINGS STRAIGHT)

1200 BATHYMETRY BACK AGAIN!

1227 BEGIN MARKING MAGGY CHART
(GROCERY TAPE STILL OUT)

FM 08-01 MAY 19, 1981

1300 Z STEVE CARLSON ON WATCH

STEERING 106°

SPEED 9.8

1275 RPM ON 2

1340 Z REQUEST WATCH-STANDERS REPORT STEERED
COURSE INSTEAD OF TRUE COURSE ON LOGS

1430 Z GROCERY TAPE ON MAGGY NOW FUNCTIONAL

1425 Z BEGIN 5-MIN. MONITORING OF MAGGY DATA

1614 Z DS/R FOR WELDING ON REAR DECK
APPROX 5.5 KT

C/S

1636 Z RESUME 1200/R

C/S

1658 Z Greg Onstott on watch

steering 123° on gyro 1250/21725-1730 drop of 50008 on mag grocery tape
reading - does not show on LED readout
or chart MAGGY DOWN FOR REPAIR1803 speed 11.0 115° E true

1857 REVS BACK TO 1200/2

C/S

1941 SPEED 12.5 KNOTS ~~1200/2~~ 1250/2

2000 MAGGY BACK IN OPERATION

2049 C/C 116° 12.2 KNOTS

C/C

2100 P. Williams on watch

Loran C reads 116° - 117° 12.0 K.Sperry Reads: 116°

2200 Loran C is 36 seconds slow

~~2300~~

FM08-01 MAY 20, 1981

052081 FM08 EN

0018

0100 SCOTT FERGUSON on watch
steered course 104
speed 11.4 kts

0250 Heading east at 090° c/c

0310 Problems changing bathymetry chart. No
data from 0310 to 0350

0500 Ed Nicol on watch
STEERED COURSE 090°
Speed 10.5 kts

0730-0750 Bathymetry has some dips which were not
measured

0818 STEERING 072° c/c

0900 Carlos Gutierrez.
steered course 084°
speed 10.7

1100 Steered course 070° c/c

1124? Deduce speed c/s

1128? Speed Resumed 1200/2 c/s

1130? STEERING 75° c/c

1230? STEERING 70° 1200/2 c/c

1300Z STEVE CARLSON ON WATCH!

STEERING 076°

SPEED 12.7 kts

1450Z 45° 1250/2 = 13.5kt c/c c/s

1700Z GREG ONSTOTT ON WATCH

1750 40° E ~~14.4~~ 14.4 KT c/c

1805 C/C ~~14.4~~ 007° E 14.3 KT c/c

1820 mag reading @ ~~1805~~ 1910 ~~14.4~~ tape and
chart do not agree - chart probably right

LASE TRANSIT
FM08-01 MAY 20 1981

0019

- 1945 approaching electrical storm to NORTH - dipole effect may be influencing magnetometer reading (clouds positive - earth negative)
- 2100 P. Williams on watch Loran C course: 006°-007°
" " speed: ~15 knots
Spray Gyro course: 006°-008°
- 2110 LORAN C CHANGED TO ATLANTIC COAST CHAIN
READINGS INACCURATE
- 0030 MAY 21 LORAN C BACK (BUT STILL INACCURATE
- 0100 SCOTT FERGUSON on watch
Loran C data still invalid
- 1250/2 * 008° STEERED
- 0157 LORAN C ACCURATE AGAIN
- 0400 Eddie Nicol on watch
- 0410 Loran C did not come unplugged and replugged in blue box and got Loran C from 11/03
- 0540 Having trouble reading bathymetry - starting to change scale
- 0600 Lost bathymetry Problem ~~was~~ with Graphic Recorder

LASE TRANSIT
FM08-01 MAY 21/81

0020

0800 Carlos ESTIERREZ. on watch

STEERING 358°

Speed 12.7

1000 Trouble Reading bathymetry

1028 Reduce Speed

c/s

1029 Speed Resumed

c/s

1130 Graphic Recorder Back ON
Change NW BELT

1200Z STEVE CARLSON ON WATCH

STEERING 001°

SPEED 11.3 KTS

BATHYMETER NOT WORKING

1230Z ALL INSTRUMENTS SHUT DOWN — WORKING
ON SHIP'S POWER

1240Z POWER RESTORED

1300Z BATHYMETRY BACK

1600 Greg Onstott on watch

1630 sat NAV 2 printed out pageful of numbers

1740 2nd digit on mag-tape printer screwed up

2000 P. Williams on watch, sea fairly high, hull pounding

Loran C Course: 0.00

Speed: 9.9

Sperry Gyro Course: 347-349

~9.0 → ~6.6

2115 c/s Slowed to reduce pounding

2110 some water dripping over sat nav console →
bad seal patch?

2200 c/c → 040°

Speed at ~7.6 Kt

LAKE TRANSIT
FM08-01 21 MAY 1981

0021

0000 SCOTT FERGUSON ON WATCH

- Problems w/ Loren nav ~~at~~ readout.
No lat & long for 0100 & 0200 May 22.

0230 NOTE SMALL SAT NAV HAD 000° HDG & 9.8 KTS
CHANGED & RE-ENTERED LAT/LONG

0400 Eddie Nicol on watch

0410 Found Maggie printer not working properly
is being repaired - will try to keep taking
values by hand

0435 Loren C S'700 went Down

0524 S'700 Back up and running

0805 Maggie ^{Printer} Still down - accuracy timewise
of Maggie readings will remain a
problem

0800 Carlos Gutierrez on watch
STEERING 12°
SPEED 7.8

0942 SPEED 11.0 knots 112/2 C/S
STEERING 42°-44°

1110 BATHYMETRY OFF CHANGE NEW ROLL PAPER.
1120 " BACK ON

1200 STEVE CARLSON ON WATCH
STEERING 045°
SPEED 10.9 KTS

MAGGY GROCERY TAPE STILL DOWN

LASE TRANSIT

0022

FM DB-01 22 MAY 1981

1434	C/L 180° - BRING STERN TO WAVES TO WORK ON ANTENNA	C/L
1450	reduce sp. to 8.5 5.5 for repairs on mast STEERING 145°	C/S
1600	Greg Onstott on watch	
1630	begin changing course back to N SLOW TURN	C/L
1645	course 027° 7.6 KT 800/2	C/L C/S
1800	course 024°E 7.2 KT	C/L
1825	speed up to 900/2 8.1 KT	C/S
1845	speed up to 1000/2	C/S
2011	Speed up to: 1250/2	
2000	P. Williams on watch; course 019° true 015° skewed	
2020	speed ~ 10.5 KT @ 2020	
2020	Loran C terminal giving infrequent output.	
2107	C/L → 046 true	
0000	S. FERGUSON on watch	
0020	change bathymetry chart	
0400	Eddie Nicol on watch	
0400	Bathymetry off scale	
0600	Can't find Bottom Don't believe it is down there	

FM 08-01 23 MAY 1981

0530 Bathymetry still has not come back

0800 C. G. TIERREZ on watch.

0800 Bathymetry OFF scale

1017 Reduce Speed.

c/s

1020 Speed Resumed

c/s

1055 014°

c/c

1200 STEVE CARLSON ON WATCH

STEERING 252° 1200 RPM / 2

SPEED 25.4 KTS

LORAN NOT FUNCTIONING PROPERLY;
SPEEDS UP TO 120 KTS INDICATED.

(DEVIL'S TRIANGLE??)

1300 LORAN BACK

1330 BATHYMETRY BACK

~~120~~ 1400 Greg Onstott on watch

2000? LONG MCCOWAN WATCHING

1000 / 2 013° STEERED

2010 BATHYMETRY OUT FOR BELT CHANGE
& CLEANING

2040 BATHYMETRY BACK

MAGGY LAST DIGIT OUT

2105 MAGGY PRINTER BACK

2235 DEAD SLOW TO TEST GUNS

LASE TRANSIT FM 08-01
5/23/81

0024

2235Z DEAD SLOW c/s

2245Z RESUME 1000 /2 c/s

2306Z DEAD SLOW AIR GUN TEST c/s

0000 5/24/81 LAB watches suspended for work
on air gun preparation

0900 5/24/81 BEGIN STREAMER PARTY

2330 STREAMER PARTY OVER
c/s 600/2 TO CHECK TOW

CONSULT ATTACHED STREAMER LOG
FOR DETAILS

TOWING:

— 42 30 62 40 40 FT
① ② ③ ④ ⑤ ⑥

② 750 /2 5 KT

0000 5/25/81 BEGIN DEPLOYING GUNS

0200 ALL GUNS FIRING 1-2000
2-466
1-1000

0240 BLEW AIR HOSE ON #1 = 466

5/28/81

0342 c/c 030° LIVING UP ON LS00 c/c

0400 CARLSON & NICON WATCHING

0409 c/c 037° c/c

2000 arinch

SP	#4 GUN	#1
100E	2910 ms	3009 ms
101	2991	3013
102	2910	3008
103	2991	3012
104	-	

0442 GUNS OFF FOR COMPRESSOR WORK

0500 GUNS BACK ON

0502 INCREASE RPM TO 750

0505 FIRST SHOT !!

0609 BLEW HOSE ON COMPRESSOR
ALL GUNS SHUT DOWN - SHOT 71

0633 GUNS BACK ON - SHOT 77

0807 Dead slow to ~~take~~ take out one gun. c/s
Pressure problems w/ compressors. It
was found that a pressure hose broke
on port gun. Fixed hose and leaving
gun in.

0845 Gun back in and returning to ~ 5.3 kts c/s

1013 Disengage engines for oil check c/s

1200 Greg Orsotelli on watch

LASE TRANSIT

0026

LINE L500

MAY 25, 1981

- 1219 2000 in³ gun not firing at (shot 450)
- 1244 c/s to Dead slow (shot 476)
- 1255 c/s back to speed
- 1400 Reload Small SATNAV PGM TAPE
- 1500 TAIL BODY TOWING DEAD ASTERN
CAN SEE WITH BINOCULARS
- 1600 STEVE CARLSON & EDDIE NICOL ON WATCH
- 1720 SOME WATCH STANDERS HAVE BEEN
ADVANCING FILE (RECORD) NUMBER TO
AGREE WITH SHOT NUMBER ON TAPE
CHANGES, SO RECORD # MAY NOT BE
CONTINUOUS
- 1730 DEAD SLOW TO PULL A GUN IN c/s
- 1739 The 1000 cubic inch gun is not working
NOW FIRING ONLY 2 466 in³ GUNS
- 1745 RESUME 5 KT SPEED c/s
- ~~1809~~ ~~1000 gun~~ ~~or~~
- 1810 DEAD SLOW TO PUT 1000 GUN IN c/s
- 1817 RESUME 5 KT c/s
3 GUNS FIRING AGAIN
- 2000 S. Ferguson & C. Gutierrez on watch

LASE TRANSIT

0027

LINE L500

MAY 25, 1981

2055 FILE # changed to ~~000~~ 001
FILE # JUMPS FROM 999 TO 001
WITHOUT A FILE 000

2252 Dead Slow to put gun in water c/s

2308 BACK UP TO 5.0 kts c/s
4 GUNS FIRING!

0000 MAY 26, 1981

0248 SAT CLOCK BAD

0300 reached point of an survey line

0400 CARLSON & NICOL ON WATCH

0434 INCREASE RPM TO 750 RPM c/s
DRIFTING OFF COURSE - CORRECTING TO 040° c/c

0853 LAST SHOT end of LINE # L500

⇒ 0900 c/s PULL ALL GUNS DEAD SLOW c/s

EDDIE NICOL'S SHOT COUNTER
READS 1 HIGH

0930 GUNS OUT OF WATER

1030 START STEAMER PARTY

1233 ALL GEAR ABOARD, HEADING FOR WOODS HOLE
(NEW RECORD)
FINIS