

ARIADNE LEG-3
SEISMIC LOG

copy

DUAL CHANNEL SEISMIC LOG

ARIADNE LEG 3

THOMAS WASHINGTON

06 APRIL 82 to 28 APRIL 82

MIDDLE AMERICA TRENCH

T. Shipley + G. Moore Chief Scientists

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG
CRUISE: Ariadne Leg 3 AREA: Middle America Trench PROJECT:

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|-------|----------|------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|------------|-------------|---------------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 89 | 07 | 0014 | 1 | 4 | 0 | 1 | R | | | | | 2-80ci | 10 | 9.4 | 0 | water guns streamer 16' | |
| | APRIL | 0015 | 6 | | | | | | | | | | | | | connected streamer, blue orange | |
| | 82 | 0019 | | | | | | | | | | | | | | seismics stopped, no problem | |
| | 0020 | 40 | | | | | | | | | | | | | | restarted guns | |
| | 0054 | | | | | | | | | | | 1-80ci | | | | change to one gun | |
| | 0100 | 279 | | 4 | 0 | 1 | R | | | | | 1-80ci | 10 | 8.6 | 5 | | |
| | 0105 | 310 | | | | | | | | | | 2-80ci | | | | | |
| | 0145 | 547 | | | | | | | | | | | | | | off streamer 16' | |
| | 0149 | 548 | | | | | | | | | | | | | | on streamer 18' | |
| | 0200 | 614 | | 4 | 0 | 1 | R | | | | | 2-80ci | 10 | 9.6 | 6 | 22' | |
| | 0300 | 975 | | 4 | 0 | 1 | R | | | | | 2-80ci | 10 | 9.3 | 8 | 22' | |
| | 0401 | 1344 | | | | | | | | | | | | 9.7 | 13 | | |
| | 0500 | 1698 | | | | | | | | | | | | 9.0 | 17 | 20' c/c | |
| | 0600 | 2005 | | | | | | | | | | | | 9.5 | 21 | | |
| | 0629 | 2228 | | | | | | | | | | | | | | | |
| | 0700 | 2229 | | 4 | 0 | 1 | R | | | | | 2-80ci | 10 | 9.8 | 22 | changing streamer | |
| | 0800 | 2587 | | 4 | 0 | 1 | R | | | | | 2-80ci | 10 | 9.1 | 52 | using port streamer with | |
| | 0823 | 2721(12) | | 4 | 1 | 1 | R | | | | | | | | | no depth controller (orange) | |
| | 0900 | 2941 | | 4 | 1 | 1 | R | | | | | | | | | change delay to 1 sec | |
| | 0925 | 3096 | | 4 | 1 | 1 | | | | | | | | | | | |
| | 0933 | 3092 | | 4 | 1 | 1 | | | | | | | | | | water guns off to adjust seabed | |
| | 0949 | 3189 | | 4 | 2 | 1 | | | | | | | | | | digitizer off | |
| | 1000 | 3254 | | 4 | 2 | 1 | | | | | | | | | | water guns on - digitizer on | |
| | 1016 | 3344 | | 4 | 3 | 1 | R | | | | | | | | | c/delay to 2 sec | |
| | 1112 | 3688 | | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 8.8 | 64 | | |
| | 1151 | 3921 | | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.2 | 73 | c/delay | |
| | 1254 | 202 | | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.6 | 77 | | |
| | 1350 | 535 | | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.9 | 82 | | |
| | 1502 | 974 | | | | | | | | | | 2-80 | 10 | 9.2 | 90 | | |
| | 1517 | 1060 | | | | | | | | | | | | 9.2 | 104 | | |
| | 1600 | 1316 | | | | | | | | | | | | 9.0 | 113 | | |
| | | | | | | | | | | | | | | | 114 | | |

WATER BOTTOM CLIPPED AT 7200 FT.

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 03 AREA: MID AMERICAN TRENCH PROJECT:

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | R&P RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|-------------|------------|------|------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|------------|-------------|--|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 91 | 07 APR | 1800 | 1675 | 4 | 3 | 1 | R | | | | | | | 7.2 | 115 | changing to count start line | PCH |
| LEFT DRIVE | | 1708 | 1 | | | | | | | | | | | | | | |
| | | 1800 | 309 | 4 | 3 | 1 | R | | | | | | | | 117 | reset shot number | DR |
| | | 1900 | 670 | 4 | 1 | 1 | R | | | | | 2-80cc | 10 | | 120 | c/delay to 1 sec | |
| | | 1917 | 774 | 4 | 1 | 1 | R | | | | | 1-80cc | | 6.0 | | c/cse 305 | |
| | | 1932 | 865 | 4 | 1 | 1 | | | | | | | | | | steady on cse 225 | DR |
| | | 1940 | 909 | 4 | 1 | 1 | | SYSTEM OFF | | | | | | | | waterguns off, streamer shortened | |
| | | 1952 | 909 | 4 | 1 | 1 | R | SYSTEM ON | | | | 2-80cc | 10 | 6.0 | 122 | system on | |
| | | 2008 | 968 | 4 | 1 | 1 | R | | | | | | | | | | |
| | | 2006 | 992 | 4 | 3 | 1 | R | | | | | | | | | c/delay to 3 sec | |
| | | 2100 | 1313 | 4 | 3 | 1 | R | | | | | | | | 124 | | |
| | | 2158 | 1660 | 4 | 3 | 1 | R | | | | | 2-80cc | 10 | 6.0 | 127 | | TS |
| 91 | | 2200 | | | | | | | | | | | | | | change tape | |
| 92 | | 2230 | | | | | | | | | | | | | | | |
| RIGHT DRIVE | | 2256 | 2011 | 4 | 3 | 1 | R | | | | | 2-80cc | 10 | 6.1 | 144 | | |
| | | 2316 | 2135 | | 2 | | | | | | | | | | | c/DELAY | |
| | | 2356 | 2371 | 4 | 2 | 1 | R | | | | | 2-80cc | 10 | 5.3 | 161 | | |
| | 08 APR | 0056 | 2730 | 4 | 2 | 1 | R | | | | | 2-80cc | 10 | 8.9 | 174 | | |
| | | 0150 | 3050 | 4 | 2 | 1 | R | | | | | | | 9.0 | 177 | c/c 035° | |
| | 08 APR | 0156 | 3090 | 4 | 2 | 1 | R | | | | | 2-80cc | 10 | 9.1 | 177 | | |
| | | 0206 | 3155 | 4 | 2 | 1 | R | | | | | 2-80cc | 10 | 9.0 | 179 | | GM |
| | | 0209 | | | 3 | | | | | | | | | | | c/Delay | |
| | 98 | 0222 | | | | | | | | | | | | | | streamer very noisy for ~10 min; now quiet | |
| | JULIAN DAY | 0245 | | | | | | | | | | | | | | changed to below-deck | |
| | | 0300 | 3479 | | | | | | | | | | | | 186 | electric air compressor; | PCH |
| | | 0400 | 3836 | | | | | | | | | | | | 195 | pressure 1800 psi | |
| | | 0450 | | | | | | | | | | | | | | Noticed intermittent noise | GM |
| | | 0500 | 101 | | | | | | | | | | | | 801 | bursts on records since 0415 | |
| | 93 | 0553 | 418 | | | | | | | | | | | | 207 | New Tape | DR |
| | | 0600 | 458 | 4 | 3 | 1 | R | | | | | 2-80cc | 10 | 9.2 | 207 | | |

CRUISE: Ariadne Leg 03 AREA: mid American Trench PROJECT:

CRUISE: Ariadne

[illegible]

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: Ariadne Leg 3

AREA: Costa Rica

PROJECT: Middle America Trench PAGE: 4

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|----------|------|------|------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|------------|----------------|-------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 94 | 98 | 1650 | | 4 | 2 | 1 | R | | | | | 2x80ci | 10 | 8.8 | | Unconnected cable | PLH |
| | 08 | 1652 | | | | | | | | | | | | | | back on | |
| | APR | 1654 | | | | | | | | | | | | | | S/O 305° | |
| | 82 | 1700 | 312 | | | | | | | | | | | | 236 | | |
| | | 1737 | 529 | | 3 | | | | | | | | | | | C/DELAY | EM |
| | | 1800 | 672 | | | | | | | | | | | | 237 | | PLH |
| | | 1838 | 896 | | 2 | | | | | | | | | | | C/delay to 2 | |
| | | 1847 | 955 | | | | | | | | | | | | | C/cse 305 | |
| | | 1849 | 964 | | 1 | | | | | | | | | | | | |
| | | 1900 | 1027 | 4 | 1 | 1 | R | | | | | | | | 245 | C/cse 230 | |
| | | 1915 | 1119 | 4 | 3 | 1 | R | | | | | | | | | C/delay to 3 sec | |
| 94/95(?) | | 2000 | 1389 | | | | | | | | | | | | 252 | | |
| | | 2051 | 1698 | 4 | 3 | | | | | | | | | | | C/cse 305 | |
| 95 | | 2104 | 1776 | 4 | 3 | 1 | | | | | | | | | | S/O 305° @ 2053Z | |
| | | 2200 | 2110 | 4 | 3 | 1 | R | | | | | 2-80ci | | 9.0 | 263 | steady on 040° | |
| | | 2214 | | 4 | 3 | 1 | R | | | | | 1-80ci | 10 | 6.0 | 265 | check guns | |
| | | 2238 | | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 5.8 | | Both waterguns returned | |
| | | 2250 | 2439 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.7 | 268 | | |
| | | 2244 | | 4 | 3 | 1 | R | | | | | 2-80 | 10 | | | C/speed | |
| | | 2313 | 2550 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.2 | | C/c 230° | |
| | 99 | 0008 | 2817 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.2 | 268 | | |
| | APR | 0013 | 2910 | | | | | | | | | 2-80 | 10 | 8.8 | | S/O 040 | |
| | 09 | 0050 | 3130 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.9 | 269 | S/O 225° | |
| | 1982 | 0104 | 3213 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.5 | 269 | | |
| | | 0147 | 3471 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.7 | 272 | | |
| | | 0150 | 3541 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.7 | | S/O 090° | |
| | | 0300 | 3910 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.3 | 279 | 100° | PLH |
| 96 | | 0330 | | | | | | | | | | | | | | | |
| | | 0400 | 174 | | | | | | | | | | | 9.4 | 286 | | |
| | | 0436 | | | | | | | | | | | | | | S/O 130° - NOISEY | |
| RIGHT | | 0500 | | | | | | | | | | | | | 288 | C/c 340° STILL NOISEY | |

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DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: *ATLANTIC LEG 3* AREA: *COSTA RICA* PROJECT: *MIDDLE AMERICA TRENCH* PAGE: *5*

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|-------------|------|------|------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|----------------|-------------|------------------------------------|-----------|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 96 RIGHT | 99 | 0506 | | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.0 | | S/O - No Noise! | PCH DR |
| | | 0559 | | | | | | | | | | | | | | | |
| | | 0646 | 1169 | 4 | 2 | 1 | R | | | | | | | | 291 | S/O - 180 | |
| | | 0700 | 1253 | 4 | 2 | 1 | R | | | | | | | | | delay to 2 sec | |
| | | 0705 | 1281 | 4 | 2 | | | | | | | | | | 292 | | |
| | | 0707 | 1301 | | | | | | | | | 2-80 | 10 | 8.6 | | c/c 275° | |
| | | 0737 | 1475 | 4 | 3 | 1 | R | | | | | | | | | S/O 275° | |
| | | 0746 | 1530 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.2 | | delay to 3 sec | |
| | | 0749 | 1545 | 4 | 3 | 1 | R | | | | | | | 9.1 | | delay to 3 sec c/c 005° | |
| | | 0800 | 1614 | | | | | | | | | | | 9.0 | 293 | S/O 005° | |
| | | 0838 | 1845 | | | | | | | | | | | | | | |
| | | 0850 | | | | | | | | | | | | | | c/c 225° | |
| | | 0900 | 1979 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.0 | 294 | S/O 225° | TS? |
| | | 0919 | | | | | | | | | | | | | | Gyro lost | |
| | | 0926 | 2132 | | | | | | | | | | | | | Deck fan compressor on | |
| | | 0934 | 2181 | | | | | | | | | | | | 297 | | |
| | | 0955 | 2301 | 4 | 3 | 1 | 2 | | | | | | | | | c/c 340 | |
| 97 LEFT | 99 | 1029 | 2506 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.1 | 300 | TAPE CHANGE 96→97 | |
| | | 1121 | 2823 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.5 | 315 | | |
| | | 1157 | 3035 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.6 | 323 | c/c 210° | |
| | | 1223 | 3191 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 4.0 | | c/s | |
| | | 1252 | 3366 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.0 | 336 | | |
| | | 1346 | 3690 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.7 | 344 | | |
| | | 1500 | 38 | | | | | | | | | | | | 360 | | |
| | | 1543 | | | | | | | | | | | | | | | |
| | | 1557 | 382 | | | | | | | | | | | | 368 | S/O 055° NOISY! | PCH |
| | | 1647 | 684 | | | | | | | | | | | | | no noise | |
| | | 1700 | | | | | | | | | | | | | | Recorder off to | |
| | | 1701 | 690 | | | | | | | | | | | | | lengthen streamer on | |
| 98 | | 1745 | | | | | | | | | | | | | | going OK AGAIN 2850 | |
| | | 1800 | 1050 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.0 | 389 | | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: Ariadne Leg 3

AREA: Costa Rica
MAT

PROJECT: Middle America Trench PAGE: 6

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|---------|------|------|-------------|-------|------|------|-------------|-------|------|------|----------|----------|------------|-------------|---------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 98 | 09 | 1804 | 1076 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | | | c/cse 240 | |
| | 09 | 1828 | | | | | | | | | | | | | | c/cse 140 | |
| | APRIL | 1830 | 1228 | | | | | | | | | | | | | s/o 140 | |
| | 82 | 1859 | 1404 | | | | | | | | | | | | | s/o 045 | |
| | | 1930 | 1590 | 4 | 3 | 1 | R | | | | | 2-80i | 10 | 8.5 | | c/c 315 | |
| | | 1933 | 1608 | | | | | | | | | | | | | s/o 315 | |
| | J.D. | 1950 | | | | | | | | | | | | | | c/a 254 | |
| 98 | 99 | 1954 | 1733 | | | | | | | | | | 10 | 8.8 | | s/o 254 | |
| | | 2000 | 1768 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.6 | 403 | | |
| | | 2016 | 1870 | | | | | | | | | | | | 403 | c/o 315 | |
| | | 2019 | | | | | | | | | | | | | | s/o 315 | |
| | | 2033 | 1971 | | | | | | | | | | | | 403 | | |
| | | 2145 | 2402 | | | | | | | | | | | | 420 | | |
| | | 2201 | 2497 | 4 | 3 | 1 | R | | | | | 1-80i | 10 | 5.0 | 424 | cls check water guns | TS |
| | | 2223 | 2631 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 5.1 | 425 | cls 225° 9 kts | Av |
| | | | | | | | | | | | | | | | | Check complete | |
| | | 2232 | | 4 | 4 | 1 | R | | | | | | | | | change delay | |
| | | 2303 | 2867 | 4 | 4 | 1 | R | | | | | 2-80cc | 10 | 8.7 | 432 | | |
| | | 2338 | 3079 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.3 | 442 | s/o 045° | |
| | J.D. | 0051 | 3393 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.1 | 445 | | |
| | 10 | 0107 | 3610 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.0 | 460 | c/delay | |
| 98 | | 0045 | | | | | | | | | | | | | | | |
| 99 | | 0045 | | | | | | | | | | | | | | | |
| | 10 | 0150 | 3868 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.0 | 461 | | |
| | April | 0152 | 3882 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 8.9 | 461 | c/delay | |
| | 82 | | | | | | | | | | | | | | | | |
| 99 | " | 0250 | 0178 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 8.7 | 463 | | |
| 99 | 10 Apr. | 0333 | 0404 | 4 | 4 | | | | | | | | | | 464 | c/DELAY to 4sec | |
| 99 | " | 0438 | 0738 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.6 | 468 | | |
| 99 | 10 Apr. | 0500 | 0912 | 4 | 4 | 1 | | | | | | 2-80 1/4 | 10 | 8.6 | 468 | | |

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DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE:

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PAGE: 7

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|---------------|-------------------|-----------------|-----------------|-------------|-------|----------------|------|-------------|-------|------|------|----------------------|----------|------------|-------------|-----------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 99 | 10 Apr | 0547 | 1198 | | | | | | | | | | | | | | |
| 99 | 10 Apr | 0548 | 1198 | 4 | 4 | 1 ² | R | | | | | 2-80 in ³ | 10 | 9.3 | 471 | | |
| LEFT | JD 100 | 0600 | 1272 | 4 | 4 | 1 | R | | | | | 2-80 in ³ | 10 | 9.1 | 471 | | |
| | | 0700 | 1631 | | | | | | | | | | | | 472 | | DR |
| | | 0726 | 1786 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.2 | | c/delay to 2 sec | |
| | | 0800 | 1982 | 4 | 2 | | | | | | | | | | 477 | | |
| | | 0815 | 2086 | | | | | | | | | | | | | c/c 135° | |
| | | 0824 | 2136 | | | | | | | | | | | | | c/c 223° | |
| | | 0829 | 2166 | | | | | | | | | | | | | s/o 223° | |
| 100 | | 0900 | 2352 | | | | | | | | | | | | 481 | | |
| 100 | | 0923 | 2494 | 4 | 4 | 1 | R | | | | | 2-80 in ³ | | | | c/delay to 4 sec | |
| RIGHT | | 1023 | 2850 | 4 | 4 | 1 | R | | | | | 2-80 ci | 10 | 8.9 | 482 | Hourly log | |
| | | 1127 | 3234 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.0 | 483 | " " | AV |
| | | 1234 | 3636 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.0 | 484 | " " | |
| | | 1307 | 3835 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.9 | 486 | c/ DELAY | |
| | | 1332 | 3985 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.4 | 490 | c/ DELAY | |
| | | 1400 | 0057 | 4 | 2 | 1 | | | | | | 2x80 in ³ | 10 | 9.2 | 493 | c/ DELAY | |
| | | 1402 | 0072 | | 0 | | | | | | | | | | | Noisey - PASSING SHIP | |
| | | 1420 | | | | | | | | | | | | | | | |
| | | 1447 | 0343 | 4 | 0 | 1 | R | | | | | 2x80 in ³ | 10 | 8.9 | 0506 | | |
| | | 1500 | 0417 | 4 | 0 | 1 | | | | | | | | | 0509 | | |
| 100 | 10 Apr | 1515 | | | | | | | | | | | | | | | |
| 101 | 10 Apr | 1515 | | | | | | | | | | | | | | | |
| LEFT | JD 100 | 1633 | 0977 | 4 | 0 | 1 | R | | | | | 2x80 in ³ | 10 | 9.2 | 0522 | | |
| | | 1700 | 1140 | 4 | 0 | 1 | R | | | | | 2x80 in ³ | 10 | 9.1 | 526 | | |
| | | 1755 | | 4 | 1 | 1 | R | | | | | | | | | c/Delay | Em |
| | | 1816 | 1595 | | | | | | | | | | | | 532 | | DR |
| | | 1900 | 1856 | | | | | | | | | | | | 541 | | |
| | | 1907 | 1898 | 4 | 3 | 1 | R | | | | | | | | | c/delay | |
| | | 2017 | 2318 | 4 | 3 | 1 | | SYSTEM OFF | | | | 2x80 | 10 | 9.1 | 552 | Watergun soft | DR |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LE63 AREA: COSTA RICA

PROJECT: MIDDLE AMERICA TRENCH PAGE: 8

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|-------------|--|--|---|--|---|---|--|-------|------|------|------------------|----------|------------|-----------------------|--|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 101 | 10 APRIL 82 | 2055 2057 2100 2113 2200 | 2319 2327 2692 | 4 | 3 | 1 | R | START RECORDING SYSTEM OFF START RECORDING | | | | 2-550 | 10 | | 1 | air guns, reset tape errors air pressure ~ 1500 psi remove 13H2 filter 1800 psi | TS |
| 102 | J.D. 102 | 2301 2306 2358 0050 | 1 314 625 | 4 5 5 | 3 2 2 | 1 1 1 | R R R | SYSTEM HALTED START RECORDING | | | | 2-550 | 10 | 6.0 | 034 | system down, ran off end of tape, reloaded program | TS |
| | 11 APRIL 82 | 0118 0120 0121 | 101 | | | | | | | | | 2-550 2-550 | 10 10 | 6.0 6.1 | 9 12 | change record length + delay | TS |
| | J.D. 101 | 0153 0202 0221 251 | (161) 1057 (332) 1365 | 5 5 5 | 2 1 2 | 1 1 1 | R R R | 8 0 2 SB 8 0 2 SB | | | | 2-550ci | | 6.5 | 022 | no data, loss of ships way start SB 36, various screw ups record? SB37 start SB37 start SB37 start END SB37 - 332 is last shot | |
| 103 | 11 APR 82 | 0318 0341 0446 | 0001 2040 | 5 5 | 3 3 | 1 1 | R R | | | | | 2x550ci 2x550 | 10 10 | 6.4 | 027 041 | change EPC 2 to 2 sec. delay was change EPC 2 to 3 sec delay was | |
| 103 | 11 APR 82 | 0545 0623 0655 0659 0700 0708 0800 0900 0909 0945 0954 | 2404 2626 2627 2655 2710 3015 3374 3431 3650 3696 | 5 5 4 4 4 4 4 4 4 4 4 | 3 3 3 3 3 3 3 2 2 2 | 1 1 1 1 1 1 1 1 1 1 1 | R R R R R R R R R R R | SYSTEM OFF SYSTEM ON | | | | 2x80ci | 10 | 9.0 | 047 50 53 56 | AIRGUNS OUT WATERGUNS IN c/c 135 c/c 045 c/c delay c/c 135 s/o 225° | |

SCRIPPS INSTITUTION - OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 3

AREA: COSTA RICA

PROJECT: MIDDLE AMERICA TRENCH PAGE: 9

[illegible]

SCRIPPS INSTITUTION OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 3

AREA: COSTA RICA

PROJECT: MIDDLE AMERICA TRENCH PAGE: 10

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|--------|------|-------|-------------|-------|------|------|-------------|-------|------|------|---------------------|----------|------------|-------------|----------------------------|------|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 105 | 11 | 2252 | (50) | | | | | 8 | 0 | 2 | SB | 2-80cc | 10 | 9.4 | | end SB 39 no good | TS |
| | APRIL | 2254 | (51) | | | | | 8 | 0 | 2 | SB | 2-80cc | 10 | 9.4 | | start SB 40 | TS |
| | 82 | 2300 | 1442 | 4 | 3 | 21 | R | | | | | | | | 27 | | |
| | | 2300 | (85) | | | | | 8 | 0 | 2 | SB | 2-80cc | 10 | 9.5 | | | TS |
| | | 2305 | (113) | | | | | | | | | | | | | end SB 40 no good | TS |
| | | 2308 | (114) | | | | | 8 | 0 | 2 | SB | 2-80cc | 10 | 9.4 | | start SB 41 | TS |
| | | 2333 | (261) | | | | | | | | | | | | | end SB 41 | TS |
| ✓ | 12 | 0000 | 1799 | | | | | | | | | | | | 31 | | |
| ✓ | APRIL | 0109 | 2212 | 4 | 3 | 1 | R | 10 | | | | 2-80cc | 10 | 9.4 | | | |
| | 82 | 0138 | 2391 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.5 | | C/DELAY | |
| 106 | | 0242 | 3426 | 4 | 2 | 1 | R | 10 | | | | 2x80in ³ | 10 | 8.6 | | | WS |
| 106 | JD | 0338 | 3108 | 4 | 2 | 1 | R | 10 | | | | 2x80 | 10 | 9.8 | | | |
| | 102 | 0400 | | | | | | | | | | 1-80cc | | 4.0 | | | |
| | | 0407 | | 4 | 2 | 1 | R | | | | | 1-80cc | 10 | 9.5 | | pull gun, one auto-firing | |
| | | 0430 | | | | | | | | | | | | 12.0 | | ds two engines | |
| | | 0608 | 3652 | | | | | | | | | | | | 070 | gun quit | |
| | | 0518 | 3710 | | | | | | | | | | | | | end Costa Rica Survey | TS |
| | | | | | | | | | | | | | | | | changed pre-amp gain to 10 | |
| 106 | 13 APR | 0739 | | 4 | 5 | 1 | R | | | | | 2-80cc ³ | 10 | 9.4 | | BROWN SENSORY GUATEMALA | 1/3c |
| | | 0830 | 4016 | 4 | 5 | 1 | R | | | | | | | | | N 0800 TRIG CIRCUIT FAILED | |
| | | 0845 | 13 | 4 | 5 | 1 | R | | | | | | | | | LOST SHOTS | |
| | | 0847 | 24 | 4 | 5 | 1 | R | | | | | 2-80in ³ | 10 | 8.6 | | U/C 285 | |
| | | 0900 | 103 | | | | | | | | | | | | | S/O 285° | |
| | | 0953 | 420 | | | | | | | | | | | | 78 | | |
| | | 0954 | 421 | | | | | | | | | | | | | LOWCUT FILTER IN (13 Hz) | |
| 106 | | 1045 | | | | | | | | | | | | | | | |
| 107 | | 1045 | | | | | | | | | | | | | | change rule | |
| | | 1103 | 831 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.8 | 106 | | |
| | | 1227 | 1335 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.8 | 129 | | |
| | | 1327 | 1695 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 9.3 | 139 | | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 3 AREA: GUATEMALA

PROJECT: MID-AMERICA TRENCH PAGE: 11

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|--------|---------|------|-----------------|-------------|-------|------|------|-------------|-------|------|------|----------------------|----------|------------|-------------|----------------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 107 | 13 Apr. | 1410 | 1955 | 4 | 5 | 1 | R | | | | | 2 x 80 | 10 | 9.5 | 153 | | |
| " | " | 1412 | 1972 | 4 | 3 | 1 | R | | | | | | | | | C/ DELAY | WS |
| 107 | " | 1500 | 2257 | 4 | 2 | 1 | R | | | | | 2x80in ³ | 10 | 9.4 | 165 | C/ Delay | GM |
| 107 | " | 1551 | 2561 | 4 | 2 | 1 | R | | | | | 2x80in ³ | | | 179 | | |
| 107 | " | 1653 | 2932 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 9.2 | 201 | | |
| " | " | 1702 | 2932 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | | | | WS |
| 107 | " | 1727 | 3136 | 4 | 6 | 1 | R | | | | | | | | | C/ DELAY | WS |
| | | 1800 | 3267 | 4 | 5 | 1 | R | | | | | | | | | C/ DELAY | GM |
| | | 1808 | 3313 | 4 | 5 | 1 | R | | | | | | 10 | 9.2 | | C/ delay to 5 sec | DR |
| 107 | | 1810 | | | | | | | | | | | | | | C/C 115° s/o 115° at 1810z | |
| 108 | | 1810 | | | | | | | | | | | | | | C/C 025° @ 1817z | |
| | | 1820 | 3388 | 4 | 5 | 1 | R | | | | | | | | | S/O 025° | |
| | | 1900 | 3627 | | | | | | | | | | | | 271 | | |
| | | 1950 | 3929 | 4 | 3 | 1 | R | | | | | | | | | C/ delay 3 sec | |
| | | 2038 | 120 | 4 | 2 | 1 | R | | | | | 2-80 ci | 10 | 9.2 | | C/ delay 2 sec | |
| | | 2112 | 324 | 4 | 2 | 1 | R | | | | | 1-80 ci | 10 | 5.0 | | C/ course (205°) slow to 5.0 kts | |
| | | 2132 | 446 | 4 | 2 | 1 | R | | | | | 2-80 ci | 10 | 9.0 | | (pull 1 watergun) | |
| | | 2231 | 796 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.7 | | C/ DELAY | |
| | | 2258 | 963 | 4 | 5 | 1 | R | | | | | | | | | C/ delay to 5 sec | |
| 14 Apr | | 0004 | 1353 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.6 | 533 | | |
| | | 0100 | 1691 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 9.7 | 722 | | |
| 108 | | 0122 | | | | | | | | | | | | | | change tape | |
| 109 | | 0122 | | | | | | | | | | | | | | | |
| | | 0152 | 2062 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.6 | 808 | C/ DELAY | |
| 109 | " | 0230 | 2239 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.5 | 811 | C/ DELAY @ 0217z | WS |
| 109 | " | 0300 | 2411 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 9.3 | 812 | | |
| 109 | " | 0400 | 2715 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.8 | 817 | C/ delay to 4 sec | |
| 109 | " | 0451 | 3080 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.8 | 06 | C/ delay to 5 sec. | |
| 109 | " | 0542 | 3384 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | | 834 | | |
| | | 0600 | 3594 | | | | | | | | | | | | 838 | | |
| 109 | 14 APR | 0655 | 3825 | 4 | 5 | 1 | R | | | | | 2x80 in ³ | 10 | 8.9 | 844 | C/C 115 | DR |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
 DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE03WT

AREA: Guatemala

PROJECT: Middle America Trench

PAGE: 12

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|-------|--------|------|------|-------------|-------|------|------|---------------------------------|-------|------|------|--------|----------|------------|-------------|-------------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 109 | 14 APR | 0710 | 3909 | 4 | 5 | 1 | R | | | | | 2-80ci | 10 | 9.2 | | c/c 025°; 3/8 025@ 0712 | DR |
| | | 0800 | 113 | 4 | 5 | 1 | R | | | | | 2-80ci | 10 | | 848 | | |
| 110 | | 0900 | 480 | 4 | 5 | 1 | R | | | | | 2-80ci | 10 | 9.4 | 851 | | |
| | | 0937 | 697 | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.2 | | c/delay to 3 sec | DR |
| | | 1000 | 833 | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.4 | 851 | c/delay to 2 sec | |
| | | 1041 | 1082 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 8.9 | 852 | c/delay to 2 sec | TS |
| | | 1147 | 1476 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.3 | 852 | c/delay to 3 sec | WS |
| | | 1300 | 1915 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 9.2 | | c/delay to 4 sec | |
| | | 1322 | 2049 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.3 | 853 | c/delay to 5 sec | |
| | | 1350 | 2214 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 9.2 | 853 | | |
| 110 | " | 1425 | 2425 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 9.2 | 853 | | WS |
| 110 | " | 1521 | 2762 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 9.3 | 854 | | WS |
| 111 | | 1539 | | | | | | | | | | | | | | c/Reel | |
| 111 | 14 APR | 1600 | 2995 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 9.1 | 861 | | GM |
| " | " | 1657 | 3337 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 9.1 | 866 | | WS |
| | | 1800 | 3714 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 9.0 | 870 | | DR |
| | | 1806 | 3753 | 4 | | | | | | | | | | | | c/c 115 | |
| | | 1843 | 3972 | 4 | 5 | 1 | R | | | | | | | | | c/c 025 | |
| | | 1900 | 4073 | 4 | 5 | 1 | R | | | | | 2-80ci | 10 | 9.1 | 879 | c/c 045 | |
| | | 1916 | 75 | 4 | 5 | 1 | R | | | | | | | | | | |
| | | 2000 | 338 | 4 | 5 | 1 | R | | | | | 2-80ci | 10 | 9.1 | 891 | | |
| | | 2022 | 475 | 4 | 5 | 1 | R | | | | | | | | | c/c 030 | |
| 111 | " | 2036 | | | | | | SYSTEM STOPPED RELOAD SYSTEM | | | | | | | | no EOF on 111 | |
| | | | | | | | | | | | | | | | | power off on tape drive | |
| 112 | | 2050 | 1 | 4 | 5 | 1 | R | | | | | | | | | | |
| | | 2100 | 55 | 4 | 5 | 1 | R | | | | | 2-80ci | 10 | 9.4 | 2 | | |
| | | 2102 | 72 | 4 | 3 | 1 | R | | | | | | | | | c/delay to 3 sec | DR |
| | | 2136 | | | | | | | | | | | | 9.0 | | c/295, c/s 5.0 pull waterguns | |
| | | 2158 | | | | | | | | | | | | 5. | | c/s 9.0 kts | |
| | | 2200 | | | | | | | | | | | | | | c/c 290° | |
| Right | | 2212 | 494 | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.4 | 4 | | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE 03 WT AREA: GUATEMALA

PROJECT: MIDDLE AMERICA TRENCH PAGE: 13

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|--------|------|-------|-------------|-------|------|------|-------------|-------|------|------|---------------------|----------|------------|-------------|---|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 112 | 14 Apr | 2230 | (1) | | | | | 9 | 0 | 2 | SB | 2-80ci | 10 | 9.4 | | SB 42, 38A-type | |
| | | 2248 | (106) | | | | | | | | | | | | | end SB 42 - good | |
| | | 2249 | (107) | | | | | 9 | 0 | 2 | SB | 2-80ci | 10 | 9.4 | | SB 43, 41A-type | |
| | | 2328 | 945 | 4 | 3 | 1 | R | | | | | | | | | | |
| | | 2328 | (342) | 4 | 3 | | | 9 | 0 | 2 | SB | 2-80ci | 10 | 9.7 | 9 | | |
| | | 2340 | (411) | | | | | | | | | | | | | | |
| | | 2357 | 1121 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.6 | 11 | end SB 43 | |
| | 15 Apr | 0002 | 1150 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.5 | | C/DELAY TO 4 sec | Av |
| | | 0040 | 1375 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.6 | 16 | C/DELAY TO 2 sec | |
| | | 0105 | 1527 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.8 | | C/DELAY TO 3 sec | |
| | | 0120 | 1616 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.9 | | C/DELAY TO 4 sec | |
| | | 0137 | (412) | | | | | 9 | 0 | 2 | SB | | | | | C/DELAY TO 5 sec | |
| | | 0155 | (515) | | | | | | | | | | | | | SB 44 38A type | |
| 112 | " | 0216 | 1952 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.4 | 32 | END SB 44 | WS |
| 113 | " | 0230 | ? | | | | | | | | | | | | | | |
| | | 0248 | | | | | | 9 | 0 | 2 | SB | | | | | SB 45 (Probably no good - large hole in middle) | PCH |
| | | 0319 | | | | | | 9 | 0 | 2 | SB | 2x80 | 10 | | | SB has shot 1 - | GM |
| | | 0322 | 2350 | 4 | 5 | 1 | R | 9 | 0 | 2 | SB | 2x80 | 10 | 8.4 | 41 | RECONTINUED SB 46 | |
| | | 0357 | | | | | | | | | | | | | | END SB 46. | |
| " | " | 0415 | 2663 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.7 | 41 | | WS |
| 113 | 15 APR | 0500 | 2935 | 4 | 5 | 1 | R | | | | | 2x80in ³ | 10 | 89.0 | 43 | | GM |
| | | 0556 | 3279 | 4 | 5 | 1 | R | | | | | 2x80in ³ | 10 | 8.3 | 47 | c/c 030 | JR |
| | | 0600 | 3298 | 4 | 5 | 1 | R | | | | | 2x80in ³ | 10 | 9.1 | 47 | | |
| | | 0627 | 3455 | | | | | | | | | | | | | c/c 045 | |
| | | 0722 | 3790 | 4 | 3 | 1 | R | | | | | 2x80ci | 10 | 9.2 | | c/DELAY TO 3 sec | DR |
| | | 0729 | 3828 | 4 | 3 | 1 | R | | | | | 2x80ci | 10 | 9.0 | | c/c 010 | |
| | | 0800 | 4019 | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.1 | 49 | | |
| | | 0834 | 127 | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.1 | | s/o 295 | |
| 114 | | 0840 | 165 | | | | | | | | | | | | | c/c 350° | |
| | | 0857 | 263 | 4 | 2 | 1 | R | | | | | | | | | c/DELAY 2 sec | |
| 114 | | 0900 | 285 | 4 | 2 | 1 | R | | | | | 2-80ci | 10 | 8.8 | 69 | c/c 295 | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: Ariadne 03WT

AREA: Guatemala

PROJECT: Middle America Trench PAGE: 14

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|-------|--------|------|-------|-------------|--------------|------|------|-------------|-------|------|------|---------------------|----------|------------|-------------|-----------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 114 | 15 APR | 0930 | 462 | 4 | 2 | 1 | R | | | | | 2-80ci | 10 | 9.3 | 69 | | DR |
| RIGHT | | 0957 | (1) | | | | | 9 | 0 | 2 | SB | | | | | SB 47 41A type | TS |
| | | 1003 | 662 | 4 | 2 | 1 | R | | | | | 2-80ci | 10 | 9.2 | 69 | | TS |
| | | 1003 | (40) | | | | | 9 | 0 | 2 | SB | | | | | | TS |
| | | 1029 | | 4 | 1 | 1 | R | | | | | | | | | change delay 1 sec | TS |
| | | 1036 | (238) | | | | | | | | | | | | | end SB 47 | |
| | | 1050 | | | | | | | | | | 1-80ci | | 4.0 | | one gun quit | |
| | | 1101 | | | | | | | | | | | | | | c/s check gun | |
| | | 1112 | | | | | | | | | | 1-80ci | | 9.2 | | c/s | |
| | | 1115 | (239) | | | | | 9 | 0 | 2 | SB | 1-80ci | 10 | 9.4 | | SB 48 38A | |
| | | 1139 | (383) | | | | | | | | | | | | | end SB 48 | |
| | | 1146 | | | | | | | | | | 1-80ci | | 5.0 | | c/s | |
| | | 1151 | 1306 | 4 | 2 | 2 | R | | | | | 2-80ci | | 9.2 | | c/s 2 guns | |
| | | 1236 | 1584 | 4 | 1 | 1 | R | | | | | 2-80ci | 10 | 9.1 | 70 | change delay 1 sec | TS |
| | | 1324 | 1867 | 4 | 1 | 1 | R | | | | | 2-80ci | 10 | 9.3 | 70 | | |
| 114 | 15 Apr | 1425 | | | | | | | | | | | | | | tape change | |
| 115 | " | 1425 | | | | | | | | | | | | | | | |
| | | 1438 | 2307 | 4 | 1 | 1 | R | | | | | 2-80 | 10 | 9.0 | 74 | | WS |
| | | 1510 | 2500 | | | | | | | | | | | | 75 | | PLH |
| | | 1717 | 3261 | | | | | | | | | | | | 82 | | |
| | | 1800 | 3520 | 4 | 1 | 1 | R | | | | | 2-80 ^{1/2} | 10 | 8.8 | 87 | c/c 025 | |
| | | 1900 | 3880 | 4 | 1 | 1 | R | | | | | 2-80 | 10 | 9.1 | 84 | | |
| | | 1907 | 3927 | 4 | 1 | 1 | R | | | | | 2-80 | 10 | 8.7 | 8 | c/135 | |
| | | 1910 | 3940 | 4 | 0 | 1 | R | | | | | | | | | c/delay to 0 | |
| | | 2000 | 144 | 4 | 0 | 1 | R | | | | | | | | 84 | | |
| | | 2001 | 150 | 4 | 0 | 1 | R | | | | | | | | | c/c 200 s/o 20022 | DR |
| | | 2023 | 287 | 4 | 2 | 1 | R | | | | | | | | | c/c 290 c/delay 2 sec | |
| | | 2100 | 505 | 4 | 2 | 1 | R | | | | | 2-80ci | 10 | 9.3 | 84 | | |
| | | 2107 | 546 | 4 | 2 | 1 | R | | | | | | | | | c/c 203 2109 s/o 203 | |
| 115 | | 2128 | | | | | | | | | | | | | | | |
| 116 | | 2128 | 680 | 4 | 2 | 1 | R | | | | | 2-80ci | 10 | 9.3 | | change tape | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
 DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 3 AREA: GUATEMALA/MEXICO PROJECT: MIDDLE AMERICA TRENCH PAGE: 15

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|-------|------|------|-------------|-------|------|------|----------------|-------|------|------|--------------------|----------|------------|-------------|----------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 116 | 15 | 2132 | 699 | 4 | 3 | 1 | R | | | | | 2-80ci | 10 | 9.0 | 88 | change to 3sec delay | TS |
| | APRIL | 2150 | | 4 | 4 | 1 | R | | | | | 1-80ci | | 4.0 | | check guns, change delay | |
| | 82 | 2211 | | | | | | | | | | 2-80ci | | 9.0 | | | |
| | | 2240 | 1106 | 4 | 5 | 1 | R | | | | | 2-80 | | 11.5 | | c/delay, c/s | |
| | | 2259 | 1218 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 11.5 | 89 | Hourly log | |
| | 16 | 0011 | 1652 | 4 | 5 | 1 | R | STOP RECORDING | | | | | | | | pull gear, head for Mexico | |
| | APRIL | | | | | | | | | | | | | | | end Guatemala Survey | |
| | 82 | | | | | | | | | | | | | | | | |
| | 17 | 1440 | 1653 | 4 | 2 | 1 | R | | | | | 2-80ci | 10 | 9.0 | 89 | | |
| | APRIL | 1455 | 1737 | | 3 | | | | | | | | | | | change delay | TS |
| | 82 | 1456 | | | 1 | | | | | | | | | | | change delay | TS |
| | J.D. | 1606 | 2164 | 4 | 1 | 1 | R | | | | | 2x80m ³ | 10 | 9.3 | 92 | | GM |
| | 102 | 1633 | 2326 | 4 | 0 | 1 | R | | | | | 2x80 | 10 | 9.2 | 92 | c/delay | GM |
| | | 1721 | 2612 | 4 | 0 | 1 | R | | | | | 2x80 | 10 | 9.4 | 92 | | GM |
| | | 1869 | 2900 | 4 | 0 | 1 | R | | | | | 2x80 | 10 | 9.2 | 92 | | GM |
| | | 1900 | 3208 | 4 | 0 | 1 | R | | | | | 2x80 | 10 | 9.0 | 95 | | DR |
| | | 1909 | | | 1 | | | | | | | | | | | c/delay | TS |
| 116 | | 1912 | | | | | | | | | | | | | | change tape | DR |
| 117 | | 1912 | | | | | | | | | | | | | | | |
| | | 1941 | 3450 | 4 | 3 | 1 | R | | | | | | | | | c/delay | DR |
| | | 2015 | 3655 | 4 | 5 | 1 | R | | | | | | | | | c/delay | DR |
| | | 2102 | 3939 | 4 | 5 | 1 | R | | | | | | | | | | |
| | | 2130 | 14 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 9.0 | 123 | c/c 115 | |
| | | 2140 | 74 | | | | | | | | | | | | | c/c 025 | |
| | | 2257 | 534 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 9.4 | 135 | change delay | |
| | | 2306 | 587 | 4 | 3 | 1 | R | | | | | | | | | change delay | |
| | | 2329 | 723 | 4 | 2 | 1 | R | | | | | | | | | change delay | |
| | | 2340 | 793 | 4 | 1 | 1 | R | | | | | | | | | change delay | |
| | 18 | 0005 | 945 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 9.4 | 146 | change delay | |
| | APRIL | 0026 | | | 3 | | | | | | | | | | | change delay | |

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[illegible]

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 03 AREA: MEXICO

PROJECT: MID-AMERICA TRENCH

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|-----------|------|------|-------------|-------|------|------|-------------|-------|------|------|----------------------|----------|------------|-------------|--------------------------|-----------------------|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 119 | 18 APR 82 | 1500 | 2214 | 4 | 4 | 10 | R | | | | | 2x80 in ³ | 10 | 9.2 | 322 | | GM |
| | | 1518 | 2323 | | 5 | | | | | | | | | | | | |
| | | 1600 | 2582 | 4 | 5 | 10 | R | | | | | | | | 360 | | WS. |
| | | 1616 | | | | | | | | | | 1-80 in ³ | | | | | |
| 120 | | 1634 | 2780 | 4 | 5 | 10 | R | | | | | 2x80 in ³ | 10 | 8.1 | 382 | c/delay | check suns 1613-1634Z |
| " | | 1734 | 3143 | 4 | 5 | 10 | R | | | | | 2-80 in ³ | 10 | 8.1 | 385 | Tape change | ACT |
| 120 | | 1800 | 0326 | 4 | 4 | 10 | R | | | | | 2x80 in ³ | 10 | 8.1 | 386 | c/delay | ea |
| | | 1854 | 3624 | 4 | 3 | 10 | R | | | | | | | | | | |
| | | 1900 | 3657 | 4 | 3 | 10 | R | | | | | 2x80 | 10 | 8.2 | 386 | c/delay | |
| | | 1917 | 3760 | 4 | 2 | 10 | R | | | | | 2-80 | 10 | 8.0 | | c/delay | |
| | | 1922 | 3787 | 4 | 2 | 10 | R | | | | | 2x80 | 10 | 8.0 | | c/c 115 | |
| | | 1935 | 3869 | 4 | 2 | 10 | R | | | | | 2x80 | 10 | 8.0 | | s/o 205 | |
| | | 1953 | 3974 | 4 | 3 | 10 | R | | | | | | | | | c/delay | |
| | | | | (1935) | | | 2020 | | | | | Norisy data due to | | large ship | | passing (nearby) | |
| | | 2008 | 4068 | | | | | | | | | | | 9.0 kt | | c/speed to avoid traffic | |
| 120 | 18 APR | 2039 | 154 | 4 | 4 | 10 | R | | | | | 2x80 | 10 | 8.0 | | c/delay | |
| | | 2100 | 278 | 4 | 5 | 10 | R | | | | | 2x80 | 10 | 8.1 | 388 | c/delay | |
| | | 2112 | 714 | 4 | 5 | 10 | R | | | | | 2x80 | 10 | 8.0 | | c/c 115 | |
| | | 2227 | 799 | 4 | 5 | 10 | R | | | | | 2x80 | 10 | 7.8 | | s/o 025 | |
| | | 2325 | 1148 | 4 | 5 | 10 | R | | | | | 2-80 | 10 | 8.1 | 406 | | |
| 121 | | 2346 | 1278 | 4 | 5 | 10 | R | | | | | 2-80 | 10 | 8.2 | | Change Reel | 4.V |
| | | 2359 | 1352 | 4 | 4 | | | | | | | | | | | c/DELAY | 4.V |
| | 19 APR | 0020 | 1512 | 4 | 3 | | | | | | | | | | | c/DELAY | " |
| | | 0040 | 1602 | 4 | 2 | | | | | | | | | | | c/delay | RG |
| | 82 | 0140 | 1958 | 4 | 3 | | | | | | | | | 8.2 | 464 | c/delay | AV |
| | | 0211 | 2144 | 4 | 4 | | | | | | | | | 8.1 | 471 | c/delay | |
| 121 | | 0305 | 2468 | 4 | 4 | 10 | R | | | | | 2-80 | | 8.3 | 487 | c/delay | WS. |
| | | 0407 | 2841 | 4 | 4 | 10 | R | | | | | 2x80 | 10 | 8.1 | 499 | | GM |
| | | 0500 | 3159 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.1 | 512 | 0539Z c/DELAY TO 2 SEC. | PCH |
| | | 0600 | 3518 | 4 | 2 | 1 | R | | | | | 2x80 in ³ | 10 | 8.0 | 518 | | WS |
| 122 | | 0700 | 3879 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 8.3 | 530 | | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
 DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: Ariadne 03 WT AREA: Mexico

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|---------|------|------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|------------|-------------|--------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 122 | 19 APR | 0710 | 3938 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.0 | | c/delay | DR |
| | | 0738 | | 4 | | | | | | | | | | 9.2 | | c/speed to avoid traffic | |
| | | 0755 | 120 | 4 | (0630 | — | 0800 | | | | | | | 8.0 | | c/speed to 8.0 kt | |
| | | 0800 | 144 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.1 | 535 | | DR |
| | | 0900 | 502 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.0 | 538 | | |
| | | 0938 | 732 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 7.8 | | c/c 115 | |
| | | 0949 | 802 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 7.7 | | s/o 025 | |
| | | 1000 | 865 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.0 | 542 | | |
| | | 1111 | 1289 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.0 | 545 | Hourly log | Av |
| | | 1202 | 1595 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 7.9 | 551 | | |
| | | 1240 | 1823 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.1 | 556 | C/DELAY | |
| | | 1251 | 1890 | 4 | 2 | | | | | | | | | | | C/DELAY | |
| | | 1350 | 2248 | 4 | 3 | 1 | R | | | | | | | | | c/delay | |
| 122 | | 1420 | 2421 | 4 | 4 | 1 | R | | | | | 2-80 | 10 | 8.2 | 568 | C/DELAY 4 | |
| 123 | | 1420 | | | | | | | | | | | | | | change tape | |
| | | 1447 | 2585 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.1 | 572 | C/DELAY 5 | |
| " | 19 Apr. | 1547 | 2947 | 4 | 5 | 1 | R | | | | | 1-80 | 10 | 4.7 | 580 | During watergun ck. | WS |
| " | " | 1643 | 3283 | 4 | 5 | 1 | R | | | | | 1-80 | 10 | 9.1 | 583 | C/BELT ON EPC 3 c/s | WS |
| | | 1650 | | | | | | | | | | 2-80 | 10 | 9.0 | | c/s + 2 water guns | |
| | | 1748 | 3673 | | 3 | | | | | | | 2-80 | 10 | 8.2 | 586 | C/delay | GM |
| | | 1758 | 3730 | 4 | 3 | 1 | R | | | | | | | | | | |
| | | 1827 | | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 8.0 | 588 | C/DELAY 3 to 2 sec | WS |
| | | 1850 | 4043 | 4 | 1 | 1 | R | | | | | | | | | c/delay | GM |
| | | 1901 | 416 | 4 | 1 | 1 | R | | | | | 2-80 | 10 | 8.0 | 589 | c/c 205 | DR |
| | | 1923 | 144 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.2 | | c/delay to 3 sec | |
| | | 1950 | | | | | | | | | | 1-80 | | | | port gun not firing | |
| | | 2000 | 367 | | | | | | | | | 1-80 | | | | | |
| | | 2006 | | 4 | 4 | 1 | R | | | | | | | | | c/delay | |
| | | 2011 | 405 | | | | | | | | | | | | | slow to 5.0 knots | |
| | | 2017 | 471 | 4 | 4 | 1 | R | | | | | | | | | speed to 8.0 knots | |
| 123 | 19 APR | 2018 | 478 | 4 | 5 | 1 | R | | | | | 1-80 | 10 | 8.0 | | c/delay to 5 sec | DR |

2018

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ~~ARIADNE~~
ARIADNE03WT

AREA: Mexico

PROJECT: Middle America Trench

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|-------|--------|--------------------|------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|------------|-------------|-------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 123 | 19 APR | 2044 | 630 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 7.8 | | port watergun back on | DR |
| 123 | 19 APR | 2100 | 726 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 7.8 | 597 | | |
| 124 | 19 APR | 2110 ²¹ | | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 7.8 | | | |
| | 19 APR | 2136 | 946 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 7.7 | | c/c 115 | |
| | 19 APR | 2151 | 1034 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.0 | | s/o 025 | |
| RIGHT | 19 APR | 2200 | 1089 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.2 | 606 | | |
| | | 2227 | 1247 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 4.0 | | slow to 4 kts - traffic | |
| | | 2235 | 1258 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.0 | | speed to 8 kts | |
| | | 2337 | 1670 | 4 | 4 | | | | | | | | | | | change delay | RG. |
| | | 2347 | 1729 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.4 | 618 | change delay. | A.V |
| | 20 APR | 0001 | 1812 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 8.4 | 620 | change delay | A.V |
| | | 0032 | 2000 | 4 | 1 | 1 | R | | | | | 2-80 | 10 | 8.4 | 620 | change delay | |
| | | 0131 | 2350 | 4 | 1 | 1 | R | | | | | | | 7.9 | 623 | | |
| | | 0149 | 2460 | 4 | 2 | 1 | R | | | | | | | | | change delay | |
| | | 0208 | 2575 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 8.7 | 624 | change delay. | |
| | | 0233 | | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 8.6 | 626 | change delay | DS |
| 124 | 20 APR | 0300 | 2886 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.3 | 629 | | GM |
| 124 | 20 APR | 0400 | 3245 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.1 | 633 | | GM |
| 125 | | 0419 | 3360 | | | | | | | | | | | | 636 | C/Tape | GM |
| 125 | | 0550 | 3606 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.1 | 640 | | GM |
| 125 | | 0600 | 3966 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 7.9 | 642 | | GM |
| | | 0620 | | | 3 | | | | | | | | | | | c/delay to 3 sec | |
| | | 0621 | | | 4 | | | | | | | | | | | c/delay back to 4 sec | |
| | | 0638 | 105 | | | | | | | | | | | | | c/delay to 3 sec | |
| 125 | 20 APR | 0702 | 246 | 4 | 1 | 1 | R | | | | | 2x80 | 10 | 7.8 | 646 | shots WB < delay! | PCH |
| | | 0735 | | | | | | | | | | | | | | c/c 115 | DR |
| 125 | 20 APR | 0750 | | 4 | 1 | 1 | R | | | | | | | | | s/o 205 | |
| 125 | 20 APR | 0800 | 590 | 4 | 1 | 1 | R | | | | | 2x80 | 10 | 7.8 | 647 | | DR |
| | | 0818 | 700 | 4 | 1 | 1 | R | | | | | 2x80 | 10 | 9.0 | | c/s to 9.0 kt | |
| | | 0828 | 757 | 4 | 3 | 1 | R | | | | | 2x80 | 10 | 9.3 | | c/delay | |
| 125 | 20 APR | 0856 | 0927 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 9.1 | | c/delay to 5 | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
 DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE 03WT

AREA: MEXICO

PROJECT: MIDDLE AMERICA TRENCH

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|--------|-----------------|-----------------|--------------|--------------|------|------|-------------|-------|------|------|----------|----------|------------|----------------|-------------------------------------|---------------|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 125 | 20 APR | 0900 | 954 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 9.2 | 648 | Traffic noise 0818z - | DR |
| | | 0907 | 995 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.0 | | c/c 210 c/s 8.0kt (through traffic) | DR |
| | | 1000 | 1312 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.0 | 651 | | |
| | | 1032 | 1502 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.3 | | c/delay | |
| 125 | | 1120 | | | | | | | | | | | | | | change tape | |
| 126 | | 1120 | | | | | | | | | | | | | | | |
| | | 1201 | 2040 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 7.8 | 661 | c/DELAY | AV |
| | | 1259 | 2389 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 7.9 | 684 | Hourly log | |
| | | 1331 | 2580 | 4 | 4 | 1 | | | | | | | | | | c/delay | |
| | | 1359 | 2746 | 4 | 3 | | | | | | | | | | 691 | c/delay | RG |
| | | 1416 | 2845 | 4 | 2 | 1 | R | | | | | 2-80 | 10 | 7.9 | 691 | c/delay | |
| | | 1440 | 2991 | 4 | 1 | 1 | R | | | | | 2-80 | 10 | 7.8 | 693 | c/delay | |
| | | 1500 | 3111 | 4 | 1 | 1 | R | | | | | 2x80 1/2 | 10 | 7.9 | 694 | | Gm |
| | | 1528 | 3283 | | 2 | | | | | | | | | | | c/DELAY 1 to 2 sec | WS |
| | | 1552 | 3424 | 4 | 3 | 1 | R | | | | | 2x80 | 10 | 8.3 | 703 | c/DELAY 2 to 3 sec. | WS |
| | | 1628 | 3610 | 4 | 4 | 1 | | | | | | | | | | c/delay | Gm |
| | | 1555(?) | | | | | | | | | | | | | | 1 gun down | |
| | | 1609 | | | | | | | | | | | | | | c/s to 5 kts | |
| | | 1623 | 3610 | | | | | | | | | | | | | c/delay | |
| | | 1641 | 3716 | 4 | 5 | 1 | R | | | | | 1-80 | 10 | 8.1 | 708 | c/DELAY 4 to 5 sec. | WS |
| | | 1654 | | | | | | | | | | 2x80 | | | | 5th gun back on line | Gm |
| 126 | | 1700 | 3830 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 7.8 | 710 | | Gm |
| | | 1756 | | | | | | | | | | 1x80 | | | | slow to check gun | Gm |
| | | 1808 | | | | | | | | | | 2x80 | | | | 264ms O.L. | Gm |
| 127 | | 1837 | | | | | | | | | | | | | 730 | c/reel | Gm |
| | | 1838 | 0324 | 4 | 5 | 1 | R | | | | | 2x80 | | | | | Gm |
| | | 1906 | 457 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 8.4 | 731 | | |
| | | 1924 | 597 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 8.1 | 732 | c/delay | DR |
| | | 1951 | 764 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 8.2 | | c/delay | |
| | | 2000 | 814 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 8.2 | 733 | | |
| 127 | 20 APR | 2034 | 1008 | 4 | 1 | 1 | R | | | | | 2x80 | 10 | 8.2 | | c/delay | DR |

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DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE 03 WT

AREA: Mexico

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DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE 03 WT

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SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 3

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DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG3 AREA: MEXICO

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|-------|------|------|-------------|-------|------|------|---------------------------|-------|------|------|----------|----------|------------|-------------|--------------------------|------|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 130 | 22 | 0230 | (1) | | | | | | | | | | | | | | |
| | APRIL | 0235 | 2343 | 5 | 4 | 1 | R | 9 | 0 | 2 | SB | 2-80u | 10 | 8.9 | | launch SB 49 | JS |
| 130 | 82 | 0238 | | | | | | | | | | 2-80u | 10 | 8.9 | 14 | | |
| 131 | | 0238 | | | | | | SYSTEM HALTED | | | | BAD TAPE | | | | change tape, no good end | SB49 |
| 133 | | 0253 | 1 | 5 | 4 | 1 | R | RELOAD AND START NEW TAPE | | | | | | | 0 | Tape 132 no good | |
| 133 | | 0400 | 0401 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 11.9 | 3 | | Gm |
| | | 0500 | 761 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.1 | 8 | | Gm |
| | | 0602 | 1133 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.0 | 13 | | Gm |
| | | 0702 | 1494 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.3 | 20 | | DR |
| | | 0800 | 1840 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.1 | 29 | | DR |
| | | 0831 | 2027 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.4 | 33 | | JR |
| | | 0900 | 2201 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.5 | 38 | | DR |
| 133 | | 1000 | 2561 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.2 | 87 | | DR |
| 134 | | 1030 | | | | | | | | | | | | | | | |
| | | 1118 | 3029 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.3 | 89 | change tape | |
| | | 1200 | 3280 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.5 | 104 | Hourly log | AV |
| | | 1508 | 313 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.5 | 126 | | Gm |
| | | 1600 | 624 | 4 | 5 | 1 | R | | | | | 2x80 | 10 | 12.5 | 131 | | Gm |
| | | 1618 | 735 | | 4 | | | | | | | | | | | c/delay | Gm |
| | | 1628 | 0800 | | 3 | | | | | | | | | | | c/DELAY EDC 2 | WS |
| | | 1700 | 985 | 4 | 3 | 1 | R | | | | | 2x80 | 10 | 12.3 | 145 | | Gm |
| 135 | | 1709 | 1044 | | 3 | | | | | | | | | | 164 | c/reel | Gm |
| | | 1711 | 1056 | | 2 | | | | | | | | | | | c/delay | Gm |
| | | 1759 | | | | | | | | | | 1-80 | | | | check water guns | TS |
| | | 1818 | 1456 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 12.3 | 187 | Finish gun check | Gm |
| | | 1837 | 1567 | 4 | 1 | 1 | | | | | | | | | | c/delay | Gm |
| | | 2000 | 2068 | 4 | 1 | 1 | R | | | | | | | | 204 | | DR |
| | | 2100 | 2425 | 4 | 1 | 1 | R | | | | | 2x80 | 10 | 11.0 | 209 | | DR |
| | | 2136 | 2642 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 11.0 | | c/delay | DR |
| | | 2200 | 2785 | 4 | 2 | 1 | R | | | | | 2x80 | 10 | 11.0 | 211 | | DR |
| | | 2213 | 2861 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 11.0 | | c/delay | DR |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
 DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: ARIADNE LEG 3 AREA: MEXICO

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|--------|------|-------|-------------|-------|------|------|-------------|-------|------|------|--------|----------|------------|-------------|--------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 135 | 22 APR | 2300 | 3145 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 11.0 | 210 | | DR |
| 135 | 23 APR | 0005 | 3538 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 11.2 | 229 | | Gm |
| 136 | 82 | 0012 | 3581 | | | | | | | | | | | | 241 | C/reel | Gm |
| | | 0127 | 4028 | | 3 | | | | | | | | | | | C/delay | |
| | | 0222 | 261 | 4 | 3 | 1 | R | | | | | 2-80 | 10 | 12.1 | 267 | | |
| 136 | | 0300 | 495 | 4 | 3 | 1 | R | | | | | 2-80m | 10 | 12.0 | 299 | | 136 |
| 136 | | 0400 | 854 | 4 | 3 | 1 | R | | | | | 2-80m | 0 | 12.1 | 255 | | 136 |
| | | 0428 | 1018 | | 5 | | | | | | | | | | | C/delay | |
| " | " | 0501 | 1218 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.2 | 259 | | WS |
| " | " | 0610 | 1631 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.0 | 264 | | WS |
| 136 | | 0702 | 1941 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.0 | 267 | | DR |
| 137 | | 0800 | 2291 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.0 | 281 | | |
| | | 0900 | 2648 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.1 | 287 | | |
| | | 1000 | 3013 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.1 | 293 | | |
| 137 | | 1102 | 3387 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.0 | 293 | | TS |
| | | 1335 | 203 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.2 | 307 | | |
| 137 | | 1428 | | | | | | | | | | | | | | Change tape | |
| 138 | | 1431 | 536 | 4 | 5 | 1 | R | | | | | 2-80's | 10 | 12.0 | 310 | | TS |
| " | " | 1505 | 741 | 4 | 5 | 1 | R | | | | | 2-80 | 10 | 12.2 | 310 | | WS |
| | | 1556 | 1050 | | 4 | | | | | | | | | | | C/delay | Gm |
| 138 | 23 APR | 1604 | 1097 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 12.4 | 310 | | Gm |
| 138 | 23 APR | 1700 | 1434 | 4 | 4 | 1 | R | | | | | 2x80m | 10 | 12.0 | 312 | | Gm |
| | | 1727 | | | | | | | | | | 0 | | | | Guns stopped | Gm |
| | | 1731 | 1622 | | | | | | | | | 2x80 | | | | Guns back on line | Gm |
| | | 1737 | 1655 | | 5 | | | | | | | | | | | C/delay | Gm |
| | | 1733 | (23) | | | | | 9 | 0 | 2 | SB | | | | | end SB 50 no good | TS |
| | | 1751 | (1) | | | | | 9 | 0 | 2 | SB | | | | | SB 51, weak 48A | TS |
| | | 1800 | 1792 | 5 | 4 | 1 | R | | | | | | | | | | TS |
| | | 1800 | (50) | | | | | 9 | 0 | 2 | SB | 2-80m | 10 | 11.9 | 313 | | TS |
| | | 1815 | (142) | | | | | | | | | | | | | | |
| | | 1900 | 2154 | 5 | 4 | 1 | R | | | | | 2x80 | 10 | 12.2 | 316 | SB 51 off, no good | TS |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
 DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

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| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|----------|------|-------|-------------|-------|------|------|-----------------|--------------|--------------|--------------|--------|----------|------------|-------------|---------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 138 | 23 APR | 1953 | 2475 | 4 | 4 | 1 | R | 4 | 2 | 2 | R | 2x80 | 10 | 12.5 | | c/ delay | DR |
| | | 2033 | 2717 | 4 | 4 | 1 | R | | | | | | 10 | 16.0 | | c/s 11.0 kt c/c 040 | DR |
| 139 | 23 APR | 2100 | 2874 | 4 | 4 | 1 | R | | | | | | 10 | 10.9 | | | DR |
| 139 | | 2127 | 3040 | 4 | 3 | 1 | R | | | | | | 10 | 10.9 | | c/c 310° c/ delay | DR |
| | | 2200 | 3234 | 4 | 3 | 1 | R | | | | | 2x80 | 10 | 11.0 | 347 | | DR |
| | | 2202 | 3250 | 4 | 3 | 1 | R | | | | | 2x80 | 10 | 11.0 | | c/c 255 | PR |
| | | 2204 | 3262 | 4 | 4 | 1 | R | | | | | | | | | c/ delay | |
| | | 2230 | 3414 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 11.0 | | c/c 300 | |
| | | 2302 | 3609 | 4 | 4 | 1 | R | | | | | 2x80 | 10 | 11.0 | 349 | | etc |
| | | 2349 | 3884 | 4 | 5 | 1 | R | | | | | | | | | c/ delay | |
| | 24 APRIL | 0059 | 215 | | | | | STOP RECORDING | | | | | | | | stop recording | |
| | 25 APR | 1847 | 216 | 4 | 3 | 1 | R | START RECORDING | | | | 1-80 | 10 | 10.5 | | start ale 471 | IS |
| | | 1855 | (1) | | | | | | | | | 1-80 | 10 | | | one gun | IS |
| | 82 | 1859 | 415 | 4 | 3 | 1 | R | 9 | 0 | 2 | SB | 1-80 | 10 | 10.5 | 358 | SB 52 41A | IS |
| | | 1920 | (123) | | | | | 9 | 0 | 2 | SB | | | | | | IS |
| | | 1944 | (262) | | | | | 9 | 0 | 2 | SB | | | | | end SB 52 good | IS |
| | | 2008 | (1) | | | | | 9 | 0 | 2 | SB | | | | | start SB 53 38A | IS |
| 139 | | 2008 | 701 | 4 | 3 | 1 | R | | | | | 1-80 | 10 | 10.4 | 375 | | IS |
| 140 | | 2041 | (462) | | | | | 9 | 0 | 2 | SB | | | | | end SB 53 good | IS |
| | | 2041 | 904 | 4 | 3 | 1 | R | | | | | | | | | | |
| | | 2138 | (463) | | | | | 9 | 0 | 2 | SB | | | | | start SB 54 | DR |
| | | 2141 | (477) | | | | | | | | | | | | | end SB 54 no good | |
| | | 2143 | (478) | | | | | 9 | 0 | 2 | SB | | | | | start SB 55 | |
| | | 2149 | (517) | | | | | | | | | | | | | end SB 55 no good | |
| 140 | | 2241 | 1622 | 4 | 3 | 1 | R | STOP RECORDING | | | | NO LOG | | | | data ends at ~ 2220 | |

SCRIPPS INSTITUTION OF OCEANOGRAPHY
DUAL CHANNEL SEISMIC SYSTEM OPERATIONS LOG

CRUISE: Ariadne Leg 3 AREA: Cedros Deep Mexico PROJECT: Middle America Trench PAGE: 27

| REEL | DATE | TIME | SHOT | CHANNEL ONE | | | | CHANNEL TWO | | | | SOURCE | REP RATE | SHIP SPEED | TAPE ERRORS | REMARKS | OBS |
|------|----------|-----------------|-----------------|-------------|-------|--------|------|-------------|-------|------|------|---------------------|----------|------------|-------------|-------------------------------|-----|
| | | | | LENGTH | DELAY | RATE | DATA | LENGTH | DELAY | RATE | DATA | | | | | | |
| 141 | 27 APRIL | 0058 | 1 | 6 | 0 | 2 | R | 6 | 0 | 2 | R | 2-550 | 10.5 | 8.4 | 1 | CHAN 1 = ORANGE CHAN 2 = BLUE | |
| | | 0101 | 14 | | 4 | | | | 4 | | | | | | | BLUE 33' c/delay | |
| | | 0102 | | | | | | | | | | | 10.6 | | | c/rep rate | |
| | | 0109 | 52 | 6 | 4 | 2 | R | 6 | 4 | 2 | R | | 10.6 | 8.8 | 70 | c/delay | |
| | | 0227 | 501 | 6 | 3 | 2 | R | | | | | | | | | | |
| | | 0245 | 607 | 6 | 2 | 2 | R | 6 | 2 | 2 | R | | 10.6 | 8.5 | 71 | c/delay | |
| | | 0300 | 687 | 6 | 2 | 2 | R | 6 | 2 | 2 | R | 2x550 | 10.6 | 8.7 | 71 | | Gm |
| | | 0309 | 742 | 6 | 3 | 2 | R | 6 | 3 | 2 | R | | 10.6 | 8.9 | 72 | L/D | PCH |
| | | 0333 | 875 | | 4 | | | | 4 | | | | | | 73 | c/delay | Gm |
| " | " | 0403 | 1042 | 6 | 4 | 2 | R | 6 | 4 | 2 | R | 2x550m ³ | 10.6 | 8.7 | 75 | | WS |
| | | 0502 | 1381 | 6 | 4 | | R | 6 | 4 | | R | | 10.6 | 6.0 | 80 | | PCH |
| 142 | | 0549 | 1654 | 6 | 4 | | R | 6 | 4 | | R | | 10.6 | 6.6 | 118 | | PCH |
| | | 0630 | 1896 | 6 | 3 | | R | 6 | 3 | | R | | 10.6 | 6.4 | 119 | | |
| | | 0648 | 1977 | | | | | | | | | | | | | | |
| | | 0648 | 1977 | | 2 | | | | 2 | | | | | | | | |
| | | 0700 | 2044 | | 2 | | R | | 2 | | | 2x550m ³ | 6.6 | 6.6 | 119 | c/delay | Gm |
| | | 0730 | 2212(?) | | 3 | | | | | | | | | | | | DR |
| | | 0739 | 2264 | | 4 | | | | 4 | | | | | | | | DR |
| | | 0800 | 2384 | | 4 | | | | 4 | | | | | | | | DR |
| 142 | 27 APR | 0900 | 2725 | 6 | 4 | 2 | R | 6 | 4 | 2 | R | | | | 120 | | |
| | | 0903 | 2740 | | | | | | | | | | | | 126 | | |
| | | 0907 | | | | | | | | | | | | | | | |
| | | | | shots | | system | | off | | | | 10.6 | | | | | |
| | | | | | | 2741 | | -2769 | | | | are dead | | | | | |