

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2005

Line: 282 + 294 30

NOTE TO PROCESSORS: MANY
INTERNAL TIMEBREAKS ON TAPES
BE CAREFUL OF TIMING.

LANES
K

DFS IV

Format: seg

BPI:

Date	Shot Point #	Time	Tape #	VENA POP Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
3059-178	0000	1450	1693	60 SEC DELAY 6.0	20 SEC	4	12	6.0			VENA FIRING 1 lb. blocked/min V 5/0 126 ON AUX 3.
	69	1524	1694						71.1		
	133	1554	1695						252	11.44	SHOT 158 VENA DELAY TO 8.0 SEC
	197	1626	1696						441	20.02	SHOT 187 VENA 76 1/2 CHARGES
	264	1659	1697						630	28.60	
	326	1730	1698						806	36.59	1753 - went out of Aux. Vena
	396	1802	1699						992	45.03	Course reversal about 1805
	404?	1817?	1699								1817 - end tape. 1699 shot 404?
											- end line (293) 281
											all of above for CDP at pt D
	001	2118	1700		20.	4	12	6.0			Begin line 29
	095	2149	1701		20	4	12	6.0			A/S 4.1 @ shot 171
	189	2222	1702		20	4	12	6.5			SHOT 148 DELAY TO 6.5
	000		1703		20	4	12	6.5			
10/1/76	001		1703								BEGIN LINE 30
	090	0157	1704	CONRAD DELAY	6.5 SEC.						0125 start tape to 1703
	0181	0233	1705								START AT 6.0 & TO 7 SEC AT ABOUT SHOT 90
	0263	0309	1706								VENA TO 9 SEC DELAY AT ABOUT SHOT 225
	0350	0345	1707								0230 A/C 140
	MISSED SPRTIMES		1708								VENA DELAY 9 SEC CONRAD DELAY 6.5. INCREASE TO 1 lb. 0.0 about 396
	529	0502	1709								
	614	0537	1710								
	702	0610	1711								

RECORDING LOG

130 / 150

(2)

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: seg B

Line: 30

START

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
10/1/76	784	0646	1712		20 sec	4	12	6.5			
	870	0721	1713	2900 FM	"	"	"	"			TPY #2
	952	0755	1714		"	"	"	"			
	1035	0830	1715	8720 7.5 S	"	"	"	"			
	1120	0904	1716	6.6 us	"	"	"	6.5			
	1204	0940	1717	6.7 us	"	"	"	"			
	1287	1015	1718	6.5 us	"	"	"	"			
	1371	1051	1719	6.5 us	"	"	"	"			
	14548	1130	1720	6.5 us	"	"	"	300			Change to 1 min schedule @ 1433
	1530	1203	1721		20	4	12	3500			Shot point approximate #1471 delay
	1597	1235	1722						441		changed to 3.5
	1686	1319	1723	7400							Vema SB #76 in water at 1200
	1744	1358	1724	7500					442		Vema SB on Dayhouse 3
	1816	1436	1725	7500					450		Conrad SB on Dayhouse 2
	1882	1509	1726	7500					442		SB 131 rolled at = 1530
	1950	1540	1727	7500					449		
	2013	1614	1728								at 2024 missing about 3 shot
	2091	1650	1729								
	2155	1723	1730								
	2218	1754	1731								
	2287	1828	1732								@ 1819 Vema SB on Aux
	2359	1901	1733								Conrad SB on Aux also

SP 2287 missing about 1 shot change

1 148

FOR PETER BUNL.

RECORDING LOG

(3)

R/V ROBERT D. CONRAD

NOTE: ON SHOT NUMBERS; VEMA SHOTS ARE NOT COUNTED.

DFS IV

Cruise: 2005

Format: SEG B

Line: #30

NOTE WHEN CONRAD GUNS ARE OFF THERE IS STILL AN OCCASIONAL TRIP DUE TO A COUNTER FIXED THIS. CONTINUING TO COUNT DOWN. THIS IS WHY THE COUNTER SHOT COUNTER

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	DANES	P/E	SHOWS AN INCREMENTATION Comments ON THE TAPES WITH THE GUN OFF.
10/1/76	2421	1933	—			4	12000		4522421		AIRGUN OFF Vema Shots only
	2427	1937	1734								Vema shot-break error - 2421
	2481										SHOT #5 may be erroneous after,
	2515-2520	2048									Vema sending, keeps again
	2570	1928	1735								Tripping on spurious transmission (next tape)
			1736								④ 2644 only tape running on Vema shots
			1737								
	2694	2157	1736								Airguns back @ 2710
	2779	2233	1737								Air guns off, only Vema shots
	2876	2323	1738								
10/2/76	3025	0039	1739						445.2		Note all lows uncounted
	3208	0212	1740						447.6		
	3	0300	1741								Vema alt. cor. to 135 ⁰
	3392	0345	1741						448.6		0416 USB #
	3570	0522	1742								
	3764	0642	1743								
	3890	0747	1744								
	4023	0857	1745								
	4187	1016	1746								RESET OUR CLOCK TO WWV ABOUT 12 SECONDS
	4318	1155	1747								ADVANCE.
											1055 LOCAL RADIO NOISE MAYBE
											CAUSING FALSE TRIPS
											Trace #2 dead since shot 3270
											OK after 4320

NOTE:

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: C 20-5

Line: 30

Keep range

10.85 < range 40.95

443 < line < 447 true
445 < line < 449 indicated10.85
10.95155
17
53 81

DFS IV

Format:

BPI:

(4)

Date	Shot Point #	Time	Tape #	Depth (3118 ft)	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	LAN ES	P/E	Comments
10/2/76	4431	1234	1748	7500ms		4		954	449	<	much rain and
	4611	1410	1749	7500ms					444		causing false traps
	4801	1543	1750	7500					446		Wena SB #81 AT 1525-ND
		1556						S/B on buoy			Wena SB #82 in water (cl)
	4982	1715	1751					954	445	4	Wena SB #
	5165	1832	1752						447		
	5355	2033	1753								Wena SB #84 OVER AT 2137
	5544	2207	1754	(Tape ID correct from 5584-on)							ST-5584 DELAY NOW 7000
	5733	2341	1755	7500							
10/3/76	5919	0113	1756	3069 7500ms	4	12	7000	454			Wena SB #82 over at 0044
	6109	0247	1757	7500							on channel 16; then put log reading = 1112.57
	6296	0421	1758								Wena SB #87 over at 0442
	6407	0556	1759						449		on channel 20 put for reading 1133.4
	6616	0720	1760						436	4	S/B off at 0754
	6872	0912	1761								0800 Wena SB #88 IN WATER
	7058	1036	1762	7600							SB #88 OFF 0915
	7240	1214	1763	3126 ft 7500	4	12 sec	7000				0930 Wena SB #89 A
	7408	1358	1764						462		0931 Wena SB #89B OVER
	7613	1529	1765						4467		S/B 89 OFF 1041
											Wena SB #89 IN WATER
		1330									Wena A/C 130
		1428									Wena buoy #90 at pt 1187.43 cl 19
	7653	1528	17						4467		

5

DFS IV

Format: ~~SE~~ ~~BB~~

BPI: 800

~~Q~~ ~~R~~

[illegible]

VEMA T.B. WAS IT RECORDED ON PREVIOUS LINES
RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-05

Line: 31

NOTE TO PROCESSORS: VEMA TIME/RECORD
WILL APPEAR IN THE SAME PLACE AS
CONRAD T.B. THE VEMA NUMBER IS ABSOLUTE
& REQUIRES NO SUBTRACTIONS. LANE

DFS IV

Format: SC6B

BPI: Pod

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	P/E	Comments
10/5/76	0001	0518	1782	1783	20	4		3.5 RC		Wide x CAP + VERTICAL CAP, TPA
	73	0550	1783	"	"	"		"		SP#115 1st shot
	143	0625	1784							VEMA STOP FIRING. CONRAD'S ALMOST SP#105
	296	0707	1785							CONRAD CONRAD SHOTS SP 150 STOP
	315	0741	1786							SP#195 BACK ON
	378	0813	1787							SP#250 VEMA BACK FIRING
	443	0846	1788							SP#250 VEMA BACK FIRING
	505	0924	1789							SP#250 VEMA BACK FIRING
	583	1008	1790							SP#250 VEMA BACK FIRING
	666	1048	1791					1150		Change from 1 to 3 lbs @ SP#429
	758	1124	1792					1490		29 lbs @ shots #425-430
	851	1159	1793							SP 481 VEMA delay 10 sec
	945	1234	1794					2008		SP 554 change Conrad shot
										9 lbs @ 574
										574 delay V increased to 14 sec
										10:55 50 lbs, 9 min sch. shot #680
										Shot 757, lost, Conrad shot
	990									Change from 1 to 3 lbs @ SP#429
	990	1250±								End of Line #31
										" CAP 1" P28

NOTE TO PROCESSORS: VEMA T.B. ONLY RDS UP TO 9.999 SEC. SOME DELAYS
ON THIS LINE WERE UP TO 16 SECS & WILL APPEAR WITHOUT THE MSD.

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-05

Line: 32

VEMA TB RECORDED ON VEMA SHOTS
 SAME LOCATION AS CONRAD T.B.

Begin tape 1795 line 32

DFS IV

Format: SEGB

BPI: 800

(7)

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
5 Oct '76	0000	1330	1795	3132 F 8000 m/s	20	4ms	1252	6500	2167-2	.	steer 302 T to retrach
				last shot was 94 - credit							over previous track
				transp. to tpx 1							Conrad Sonobuoy #135
				some shots.							over (335)
											the 19. At Log 1193.64
											handle with tpx & avoid it
	129	1414	1796		20						9/ on in tape chum.
	223	1446	1797	3100 F (8000 m/s)		4ms	1252	6500	1585(-2)		
	316	1518	1798						1304(-2)		
	409	1550	1799								TPX #1
	509	1622	1800								
	597	1659	1801								
	691	1725	1802	7500	20	4	1252	6500	381(-2)		
	784	1757	1803						218		
	877	1829	1804								
	971	1901	1805							4	
	1067	1933	1806								
	1159	2005	1807						339		
	1254	2038	1808								
	1348	2110	1808								END LINE 32
	2001	2125	1809								Line 33, 7 sec init. delay
											changed to 9 sec
											1

32

RECORDING LOG

8

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

NOTE: ALL MONITOR RECORDS OFF CHANNEL
12 IN REPAIR OFF MONITOR.

Format: SEB B.

Line: 1032

THIS SINCE ABOUT THE LAST DAY OF LINE 30
SAFE

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	$\frac{D}{E}$	P/E	Comments
5 Oct 76	0001	2125	1809	8000	X	4	12				CONRAD DELAY 7.5 SEC IMMEDIATE VEMA VEMA DELAY 7.0 SEC - SHOT 20 SEC ON-CH
	072	2243	1810								VEMA DELAY TO 9.0
	0140	2245	1811								
	0213	2321	1812	8100					375		V
	0278	2354	1813						329		
	0349	2429	1814								
6 Oct 76	0420	0106	1815						444		
	0497	0144	1816								493 to 497 lost
	0559	0218	1817						439		
	0627	0253	1818						439		
	0693	0328	1819								
	759	0407	1820						439		
	826	0442	1821								
	883	0516	1822								
	959	0549	1823								
	1031	0629	1824								
	1088	0702	1825								
	1172	0739	1826								
	1238	0815	1827								
	1311	0847	1828						436		GA VEMA 5/8 #99 42 0900
	1338	0927	1829						431 (E)		99
	1456	1000	1830						433		
6 Oct 76	1524	1025	1831						444		

RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: SEG B

Line: 33

BPI: 800

LANE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	8	P/E	Comments
6 Dec 2005	1587	1108	1832	8000	★	4	12	—	439		
	1657	1144	1833								
	1724	1219	1834						435(-2)		
	1729	1254	1835						440(-2)		
	1857	1328	1836						400(-2)		
	!	1350									Compressor off service
	1908	1355	Comrad A/C to 265 due rough weather.								- No air gun.
	1932	1419	1837						366(-2)		
	1941	1427									Compressor on - At 264 m
	2010	1501	1838	8000	20	4	(2000)	3500	332(-2)		
	2078	1535	1839						327(-2)		
	2092	1549									Trouble with TPX-1
	2099	1544	1840								had to switch to TPX-2 (top line)
	2175	1621	1841						341(-2)		
	2246	1656	1842								
	2312	1728	1843						324(-2)		
	2383	1802	1844								
	2448	1839	1845						377		
	2520	1816	1846						400	3	
	2584	1948	1847								
	2651	2026	1848						415		

recovered 1916 & 1915

RECORDING LOG

(10)

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: SE-6B

Line: 033

BPI: 800

LANE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
600716	2714	2057	1849	8000	*	4	12	2.3 RC 9.0 sec	405		try delay 3500 ms
	2785	2100	1850								Comm; aux time
	2852	2203	1851						390		break = 9.0 sec.
	2920	2237	1852								
	2946	2312	1853								
	3059	2346	1854								
	3131	0020	1855						381(-2)		
	3202	0054	1856	8000		4	12000		381(-2)		Vena auxillary delay
	3268	0127	1857						387(-2)		Note: changed "Delay ms."
		0									to in header to 7500 to
											match time break setting. (lets
											changed to 7500
	3338	0200									Vena A/C 2800
	3343	0203	1858	8180 f							
	3410	0234	1859	8500		4	12000		377(-2)		
	3416	0238									trouble with TX-1 - may have
	3487	0312	1860								messed some stuff at
											beginning of tape 1859
		0300									Vena A/C 270
	3488	0312	1860						307(-2)		
	3558	0347	1861						385(-2)		
	3625	0421	1862						380(-2)		

RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: SEG B

Line: 33

BPI: 800

LANC

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
07 OCT 1976	3687	0454	1863								
	3752	0527	1864								TPZ #2
	3818	0602	1865								
	3890	0639	1866								SP 3932 G. delay 6.5 sec.
	3958	0713	1867						394		
	4029	0750	1868						403		
	4099	0824	1869						404		RC5/B #3917 0837 (A4x3)
	4172	0906	1870						393		4105 0825 GUNS OFF
07 OCT 1976	4240	0932	1871						389		4117 guns ON (0833)
	4311	1006	1872						378		
	4380	1039	1873						372		
	4451	1013	1874						373		
	4522	1147	1875						377		S/B #139 over
		1207									Sonobuoys #139 finished
	4588	1221	1876						377(-2)		
		1222									S/B Conrad S/B #140
	4657	1257	1877						379(-2)		ch 19 1.46 1404.96
		1300									Vena #101 ch 27 13 ⁰²
	4729	1332	1878						389(-2)		130 SP#4669
	4805	1407	1879						416(-2)		
	4875	1440	1880								
	4940	1515	1881						436(-2)		
	5010	1549	1882						428(-2)		12/2 1617 S/B 191 (A4x3)

RECORDING LOG

(12)

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: Sog 13

Line: #33

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
07 OCT 1976	5083	1623	1883								trouble with TPK 1
	5152	1656	1884						432		MISsing about 5 shot to dump over
	5224	1733	1885								
	5224	1736	1885							2+4+ 12	MISsing shot to dump over
	5288	1809	1886						436		TPK #2
07 OCT 1976	5354	1842	1887						429		
	5435	1918	1888								
	5502	1951	1889								
	5897	2304	1890						433		System shut-down @ 2015
	5967	2337	1891	MISSED 3 SHOTS AT CHANGE OVER							Tape 1889 half-full. Restart at 2304
08 OCT 1976	6037	0013	1892						431(-2)		Shutdown for parity error repair
	6108	0050?	1893						426(-2)		buoy @ SP #5909 t=2310
	6129	0131	1894						432(-2)		Uma Long range buoy one #103
	6259	0205	1895						434(-2)		at 2318; their
	6335	0240	1896						433(-2)		p.t. Log 1768.47, their
	6403	0315	1897						433(-2)		depth = 3273 fms. nch
	Note: at about 0410 on tape 1897 we had trouble with TPK 1 again; some shots are lost.										
	6479	0357	1898								trouble with
	6544	0432	1899								0800 Prima A/C 280
	6624	0508	1900								
	6691	0541	1901								
	6766	0617	1902								

CONRAD
DSSO 5/13/42 shown 17 AUX3

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-05

Line: 83

NOTE TO PROCESSORS:
DISCOVERED AT 0930 THAT THE THOUSANDS
9 HUNDREDS DIGITS ON THE HEADER ENTRY
FOR SHOT COUNTS IS MISSING ON MANY TAPES. I DON'T KNOW
HOW LONG THIS HAS BEEN GOING ON.

DFS IV

Format: SEG B

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
08 OCT 1976	6936	0652	1903						427		+P4 1
	6911	0727	1904						420		
	6978	0801	1905								
	7053	0837	1906						429		RECORDED OVER TAPE RC SB 144 ON Aux 3
	7123	0911	1907								
	7189	0945	1908						426		RECORDED OVER TAPE
	7189	0945	1908						426		
08 OCT 1978	7269	1027	1909						426		PROBLEM ON CHANGEOVER, 8 MINUTES OF DATA MISSED
	7340	1102	1910								
	7408	1135	1911						431		
	7474	1207	1912						429(-2)		
	7536	1238	"						1		Conrad s/B #
	7540	1240	1913						430(-2)		
	7611	1315	1914						431(-2)		
	7611	1315	1914								
	7681	1351	1915						435(-2)		1400 Vma s/B # 105
	7756	1431	1916						437(-2)		on day line 3
	7824	1504	1917								
	7895	1539	1918						432(-2)		
	7962	1611	1919						SP 8002		AUX TIME B7001R 80 sec. at 1630 change delay S. Stone
	8039	1648	1920								at 1708 s/B 105 off
	8102	1721	1921								Ch/delay - 4.5 @ s/B 8145± 3.5 @ 8161

14

DFS IV

Format: *56AB*

BP1: 800

LANE

[illegible]

15

DFS IV

Format: *Seg B*

BPI: 800

LANE

[illegible]

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: PC 2005

Line: 034

NOTE: RAYDIST CALIBRATED
IT WAS READING 10 lines high
ON PRIOR LINES.

DFS IV

Format: 56B

BPI: 800 -

LANE

[illegible]

RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 20-05

Format: SEG B

Line: 35-36+37

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
4 Oct 1976	0001	1326	1951	7.8 m		4 mis.			117		
	0034	1339									
	0001	1343	1952					6.8	31.1		Begin Line 36 1/2 # Shots (New)
	0072	1417	1953					8.5			#0060 Ch delay 8.5
	0139	1451	1954					8.5/10.5			0089 Ch to 1 st shot #121 = 3 rd shot
	0213	1524	1955					11.0/12.5			Missed 1-2 A.C. shots here Delay = 13.5 @ #00253
	0310	1602	1956								at SP 365 25 lbs shot - Vena time 1624
	405	1640	1957								Delay = 15.55 @ Sh. 550
	502	1717	1958								
	600	1756	1959						1836		
	692	1832	1960						2074		at SP 732 Vena stop firing end EPS
		1900	END	LINE #36							approx at SP 762 end Line #6
	000	1900	1960	START							Reset box BLACK BOX
	19	1907	1961								
	112	1939	1962								
	208	2011	1963								
	299	2042	1964								
	0394	2115	1965								
	0488	2147	1966								
	582	2219	1967								

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2005

Line: 37

DFS IV

Format:

BPI:

18
566B
800

800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
900076	676	2251	1968		205	4ms	12	6.5			SOME UNCERTAINTY ABOUT FIRST SHOT NUMBER.
	770	2323	1969								
	864	2355	1970								
10 OCT 1976	959	0028	1971	7800	2 ^{5K}	4ms	12 ^{5K}	6.5sec			
	1053	0100	1972		1	1	1	1			
	1147	0132	1973								NOTE: Header tape ID. was not set to 1975 until 1975 was run - it was set to 1972
	1240	0203	1974								
	1335	0236	1975								
	1430	0308	1976								
	1525	0341	1977								
	1620	0413	1978								MISSING 1 SHOT to change over
	1715	0446	1979								
	1808	0517	1980								at 0530 AIC 215
	1906	0551	1981								MISSING about 4 shot to change over
	2000	0623	1982								
	2094	0655	1983								
	2188	0727	1984								
	2283	0759	1985								
	2380	0832	1986								Gun 4 delay in error -
	2474	0905	1987								actual time OK, "logged time" wrong
	2568	0937	1988								ONE AIR GUN @ SH 2475 -
	2663	1009	1989								2 back on at 2657
	2740	1036	1989								SYSTEM DOWN FOR MAINTENANCE.

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2005

Line: 38

NOTE TO PROCESSORS:
 NEW HEAD ON TPX 1. SKEW
 ADJUST MAY BE CHANGED.

DFS IV

Format: SECB

BPI: 800

AUG
PER
FILE

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. Line	Trip Del.	O/D	P/E	Comments
10 Oct 76	0001	2300	1990	750ms		4ms	38	6.5s			
	0096	2333	1991	750							SB 149 ON AUX 3
11 OCT 1976	0190	0005	1992								
11 OCT 1976	0287	0038	1993								
	0382	0110	1994								
	0476	0142	1995								
	0572	0215	1996								0200 A/c 250°
	0666	0247	1997								0230 A/c 243°
	0760	0319	1998								
	0854	0351	1999								
	948	0433	2000								TPX #1
	1042	0455	2001							6	
	1136	0527	2002								
	1229	0559	2003								
	1323	0631	2004								
	1417	0703	2005					6.5			at 1417 change DELAY 5.5 sec.
	1509	0735	2006								
	1602	0806	2007								
	1695	0838	2008								#150 Sonobuoy at 0830 (aux 2)
	1788	0910	2009								
	1853	0942	2010								#1940-1963 lost due to target fault
	2023	1030	2011								
	2119	1103	2012								

RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: SgB

Line: 38

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec..	Trip Del.	O/D	P/E	Comments
11 Oct 79	2014	1135	2013	7500		4ms	12	5.5			
	2308	1207	2014	7300	20sec	4ms	12	5.5 sec			
	2402	1239	2015	7500							1300 A/c 220
	2496	1312	2016	7500							1330 A/c 225
	2590	1343	2017	7600							
	2685	1416	2018	7600							
	2779	1448	2019	7600							
	2873	1520	2020	7900							
	2966	1552	2021	8200				7.0 sec			
	3060	1624	2022					Missing data 3ch?			last shot #131
	3155	1656	2023								Raytheon OFF down shot Windisch stuck his butt in the tape drive switch
		17									
	3248	1728	2024					7.5			11:45 AM 17 3248
		1730									A/C
	3342	1800	2025								
	3436	1832	2026								
	3530	1904	2027								
	3625	1937	2028	9400							
END 3813 →	3719	2009	2029								MISSED 4 SHOTS ON CHANGE
	3818	2042	2030								
	3919	2117	2031								MISSED 1 SHOT ON CHANGE
	4017	2151	2032								
	4140	2234	2033								MISSED 1 SHOT ON CHANGE FALSE FOR MISSED SHOTS 4035-4060

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20 05

Line: 38

NOTE TO PROCESSORS: ~~MISS~~ MISSED
A LINE CHANGE (80° COURSE CHANGE) ON TAPE
2053.

DFS IV

Format: SEG B.

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
11 OCT 76	4235	2304	2034		20	AMS	125	7.5			
11 OCT 76	4331	2336	2035								
12 OCT 1976	4425	0009	2036	10300 ~ 9600							
	4519	0042	2037	9500	20	4ms	125	7.5			
	4613	0114	2038	9500							
	4707	0146	2039	10000							
	4801	0218	2040	10100							
	4896	0250	2041	9500							
	4990	0322	2042	8300				7.5 5.5			Shot #5046 Time 0842 → Delay 5.5
	5085	0354	2043	7200							
	5179	0427	2044								TPX #1
	5284	0503	2045			SP 5284 change delay		5.5/4.5			also 5184 ~ 10 shots lost due to TPX1-fault
	5378	0535	2046								
	5474	0608	2047	SP 5284							MISSING some shots - TIME BREAK TRIP to TENDIS NOISE
	5547	0632	RESTART 2047								EXACT NUMBER UNKNOWN; possibly 150-200
	5614	0655	2048								
	5708	0727	2049								end 5803 5804-5808 lost
	5809	0802	2050								
	5903	0833	2051								
	5997	0906	2052					3.5			CHANGE DELAY TO 7.5 SHOT 6025
	6091	0938	2053								change course 145° 0945
	6185	1010	2054								
	6280	1044	2055								missed one shot at change

DFS IV

Format: S E G B

BPI: 800

[illegible]

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 2005

Line: 39

DFS IV

Format: SEG B

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
12 OCT 76	0001	2128	2073	5.8	20sec	4	12	5.0			COURSE 095.
	0094	2208	2074	6.2 s							
	0189	2241	2075	6.3 s							
	0282	2312	2076	6.3 s							
	0379	2345	2077	6.6 s							MISSED SHOTS 315-317.
13 OCT 1976	0473	0017	2078	7.0	20sec	4	12000	5000			
	0567	0049	2079	7.0							
	0661	0121	2080	7.5							
	0755	0153	2081	7500							
	0844	0225	2082	7700	20 sec	4 sec	12 s	6.0			change delay 5 sec to 6 sec.
	0943	0257	2083	8000				7.0			" 6 sec to 7 sec.
	1037	0329	2084	8100							
	1132	0402	2085	8100							
	1227	0434	2086								
	1322	0507	2087		25 sec			7.0/9.0			at sp 1375 change delay to 9 sec
	1422	0541	2088		25 sec			Missing some shot			at sp 1391 NOTE: timebreak
	1516	0621	2089								on ext. header should be
	1610	0701	2090								≈ 10 sec, not 0 sec - not
	1704	0741	2091								enough digits
	1799	0821	2092	11800							1636 TB changed to 10.0.
	1895	0901	2093	10600							
	1989	0942	2094	10600				8.0 s			
	2085	1023	2095	10500							

RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: SEGB

Line: 39

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
13 OCT 1976	2178	1102	2096	9750ms	20	4	12	8.0s			Course 0.88
	2272	1141	2097	9600ms							
	2366	1222	2098	9700ms	25	4	12	8.0sec			
	2460	1302	2099	9000							
	2554	1342	2100	8700							First few shots on tape 2100
	2649	1422	2101	8700	25	4	12	8.0			had tape # 3000 instead of 2100 entered.
	2744	1502	2102	8400	20			7.0sec			change pop rate to 20 sec; change delay to 7000
	2839	1535	2103								
	2933	1607	2104								
	3029	1639	2105	8200							Missing 1 shot check over
	3123	1712	2106								
	3217	1744	2107								
	3311	1816	2108								3381 lost shot before shut-down
ESTIMATED SHOT POINT →	3600	2036	2109	← NOTE	THIS TAPE	I.D.	ALSO	2108			ON AGAIN
	3600										
	3697	2109	2110	7800							
	3791	2141	2111	7800							
	3885	2214	2112	7900							
	3980	2247	2113	7700							
	4074	2319	2114	7700							
	4167	2351	2115	7800							
14 OCT 1976	4261	0023	2116	7800	20	4ms	12.5sec	7000			
	4355	0055	2117	7800							

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-05

Line: 39

DFS IV

Format: SEG B

BPI: 800

[illegible]

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-05

ESP # 4

Line: 40

NOTE ONLY UEMA SHOTS IN TAPE

NOTE: TAPE TRIPPING BETWEEN UEMA SHOTS.

DFS IV

Format: SEGB

BPI: 800

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L	Trip Del.	O/D	P/E	Comments
14 OCT 1976	0002	0840	2125			4ms	2500	7.0			Vema shooting 1/2*
	0047	0926	2126	3140	1			70/9.0			Shot #71 Delay = 9.0 sec Shot 88 = 1*, Shot 96 = 3*
	0094	1012	2127					11.0			DELAY TO 11 SEC AT 111
	0130	1121	2128					13			DELAY TO 13 AT 0127.
	0152	1352	2129	3105							end line 40
* LINE # 41	0001	1406	2130	3046	20	4	12sec	60sec			START LINE 41
Cruise 158	0095	1438	2131	7700 m.s							SB RC#156 (1408 start 41)
	0189	1510	2132	7700							pl 2251.38 3059
	0284	1543	2133								SB 50 ft ch 31.
	0378	1615	2134								1530 s/c 162.
	472	1647	2135								
	566	1719	2136								
	661	1751	2137								
14 OCT 1976	755	1824	2138								
	759	1825	2138								Missing shot chg err at SP 761 Reset DF SW
	853	1857	2139								
	947	1929	2140								
	1042	2001	2141	7800							
	1135	2033	2142	7800							loaded shots 1160-1162
	1234	2106	2143	7800							
	1322	2139	2144	7750							
	1422	2211	2145	7800							

RECORDING LOG

R/V ROBERT D. CONRAD

DFS IV

Cruise: 2005

Format: SEG B

Line: 041

BPI: 800.

Handwritten notes above table:
 40 sta 42 net 895 11/24/76
 40 sta 42 net 895 11/24/76
 40 sta 42 net 895 11/24/76

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
14 OCT 1976	1517	2243	2146	7750	20	4m ³	12s	60s			2300 PASSED THROUGH LAST UEMA POSITION
	1611	2315	2147	7800							
	1706	2348	2148	7800							
15 OCT 1976	1799	0019	2149	7800							0040/AC 0040 - H/C 028°
	1899	0051	2150	7600							5HOTWIF93 ~ 1298 are missed.
		0049									RC #159 over at
	1993	0126	2151	7600							0049 on Day House 3
	2087	0158	2152	7600							
	2181	0230	2153	7600							shot
	2275	0302	2154								#2275 ~ #283 are missed.
	2372	0337	2155								(trouble with TPX-1. End tape
	2472	0409	2156								end indicator comes on.)
	2566	0441	2157								
	2660	0514	2158								at 0510 S/B 160. ON AUX 3
	2755	0546	2159								Missing 1 shot charge over
	2851	0619	2160								TPX 1 (trouble with TPX 1 missed)
	2945	0651	2161								
	3038	0723	2162								
	3132	0754	2163								
	3228	0827	2164	7900							
	3321	0859	2165	7900							
	3416	0931	2166	7900							
	3510	1003	2167	7900							

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: 20-05'

Line: 4 |

DFS IV

Format: *SEG B*

BPI: 200

[illegible]

RECORDING LOG

R/V ROBERT D. CONRAD

Cruise: C 70-05

Line: 42

DFS IV

Format: SEG - B

BPI: 800

ESP #5

[illegible]

BPI: 800

[illegible]

20
-05 16 OCT 1976

LINE 44

LANE

16 OCT 1976

DATE	TIME	SHOT POINT #	TAPER #	SPD	DEPTH	ROP RATE	TRIP DEL	%	P/E	TPX #	TIME ON/OFF	REMARKS
15 OCT 1976	0639	001	2198		7900	20 sec	4	12.0	6.0	2	0639	
	0713	100	2199							#1		MISSING shot at 7th down
	0744	194	2200									
	0818	289	2201		7700							
	0849	384	2202		7650					#2		
	0921	478	2203		7600							
	0953	573	2204		7600							
	1026	667	2204									
												END LINE 44
												LINE 45
	0030	0001	2205	*	7650			26.0	321			SHOT 39 VEMA DELAY TO 8.0. FIRST SHOT LINE 45
	1106	74	2206		7500			18.0				SHOT 77 VEMA DELAY TO 9.0.
	1150	0132	2207		7500			29.0				SHOT 87 RC DELAY TO 4.0.
	1243	0186	2208		7500							
	1335	0237	2209		7500							
	1425	0288	2210		7500							SHOT 323 VEMA STOPPED SHOOTING
												58167 ON AUX 3
												Shot # 0348 - 0354 are missed
	1516	0355	2211		7500							Shot # 543 - end line 45 - 1620
	1548	0450	2212									Shot # 543 - end line 45 - 1620
												Missing shot 543 - 551 due to speed slowdown to 3 knots
												Shot 551 recorded at ship speed of 3 knots
	1736	0002	2213					6.0				START LINE 46
	1801	96	2214									change DELTA 1 DELTA 2 to 5 sec.
	1829	190	2215									
	1858	284	2216									
	1928	379	2217									
	1956	473	2218							#2		
												WRONG TAP / 0 ON 2205 READS 2204

RE

REMARKS

DATE	TIME	Shot POINT#	TAPE#	LINE	DEPTH	Rep Rate	AMP RATE	R/L	TRIP DEL	%	T/E	TAPE #	TIME	REMARKS
6 OCT 1978	2026	0569	2219		7500	20s	4ms	12s	5s			TPX 2		
	2055	0664	2220		7650									
16 OCT 1978	2125	0781	2221		7650									
	2154	0875	2222		7700									
	2223	0975	2223		7760									lost 5 sho 1/2 970-974
	2253	1069	2224		7800									
	2323	1164	2225		7800									
	2352	1258	2226		8000									
17 OCT 1978	0021	1352	2227		8000									
	0049	1447	2228		8000	18.5 22	4ms	12 sec	7 sec					
	0119	1542	2229		8000									
	0148	1636	2230		8400									
	0217	1730	2231		8400	20s								
	0249	1824	2232		8600									
		1882												
	0321	1918	2233		8700									
	0353	2012	2234		8700									
	0426	2107	2235	46	8700	20s	4ms	12s	7.5s					
	0458	2201	2236											
	530	2296	2237											
	0602	2390	2238											
	0634	2484	2239			20 22			7.5 8.5					
	0709	2578	2240											
	0744	2672	2241	46		22	4ms	12s	8.5					
	0819	2766	2242	*	10400									
	0854	2860	2243		10800									
	0929	2954	2244		10900									
	0938	2978	2245		10900									
	1013	3072	2246		10850									

LINE 46

0217 - Change pop rate to 20 sec (was 18.5 sec)
change monitor PRR delay to 7.5 sec.

#2504 delay changed to 8.5 sec
Rep rate to 22 sec.
#2

*TAPE 10 READS 2241
2587 #2 RUN OFF

TAPE ENDED EARLY DUE TO TPX #1 TROUBLE. Lost several shots

2005

Re CON-20.

DATE	TIME	Shotpoint #	TYPE #	LINE	DEPTH	ROP RATE	SWAMP RATE	REC L.	TRIP DEL	%	P/E	TPX #	TIME ON/OFF	REMARKS
18 OCT 1976	239	5705	2274	46	6.2	20	4ms	12sc	4.			1		Reset Rop Rate to 20sc
	0312	5800	2275	46	S.C				3.5sc			1		Chang delay OFF to 3.5
	0343	5893	2276	46	S.2	20	4ms	12sc	3.5			1		
	0415	5985	2277											
	0447	6079	2278											
	0519	6174	2279						3.0					#6227 delay to 3.0sec
	0552	6270	2280											2 shots lost at changeover
	0625	6365	2281											Noise in eel due to course change -
	0657	6459	2282											shot 6265-6300
	0729	6554	2283						2.5					Shot 6635 delay to 2.5s.
	801	6648	2284	46	4400	20	4ms	12sc	2.5					6727 DELAY TO 2.0
	832	6739	2285		3300				2.0					
	904	6831	2286		3350				2.0					
	0935	6924	2287	46	3600	20	4ms	12s	2.0					
	1007	7016	2288		3250									
	1039	7110	2289		3050									
	1109	7200	2290		2800									
	1140	7292	2291		2700									
	1213	7385	2292		2550									
	1244	7477	2293	46		20	4ms	12	1.5					TPX 2 CHANG DELAY OFF to 1.5sec.
	1315	7568	2294									TPX 1		
	1346	7659												FAST SHOT SP 7659

END LINE # 46

18 OCT 1976

END LEGAL 20-05

