

CRUISE: EW0005

NIC 20H

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 1

Source: 20		Area: Nicaragua		Shot rate: 260 sec		125 M		Channels: 240	
Number of guns:		Pressure: 2000 psi		Sample rate: 2 ms				Aux. channels:	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments	
	150	21:36			1	83	3	Start Tape #1	
	150	22:53	11° 07.130 N	086° 00.467 W	Tape 1	74	74	End Tape #1	
	150	22:55	11° 07.136 N	086° 00.48 W	2	75	75	Start Tape #2	
	150	23:24	11° 05.70 N	086° 01.898 W	2	102	97	End Tape #2	
	150	23:25	11° 05.661 N	86° 01.90 W	3	103	98	Start Tape #3 switch to Shooting	
	151	24:35	11° 02.375 N	086° 05.283	3	108's	98'69	End Tape #3 by time shot 113	
	151	24:37	11° 02.299 N	086° 05.377 W	4	176	170	Start Tape #4	
	151	01:00	11° 01.169 N	086° 06.523 W	4	199	193	End tape #4 - error Tape 4 - auto switch to tape 5	
	151	01:01	"	"	5	200	194	Start tape #5	
	151	02:10	10° 57.864 N	086° 09.860 W	5	270	265	End Tape # 5	
	151	02:11	"	"	6	272	266	Start Tape # 6	
	151	02:32	10° 56.835 N	086° 10.901 W	6	293	287	End Tape # 6 - error Tape 6	
	151	02:33	"	"	7	294	288	Start Tape # 7	
	151	03:44	10° 53.433 N	086° 14.351 W	7	365	359	End Tape # 7	
	151	03:45	"	"	8	366	360	Start Tape # 8	
	151	04:08	10° 52.293 N	086° 15.578 W	8	387	381	End Tape # 8 - error Tape 8	
	151	04:09	"	"	9	388	382	Start Tape # 9	
	151	05:18	10° 48.985 N	086° 18.862 W	9	460	455	End Tape # 9	
	151	05:19	"	"	10	462	456	Start Tape # 10 (start/file #?)	
Shot Pt.	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	- File # off blue screen, shot #10	
521	151	06:26	10 45.784 N	086 22.101 W	10	527	521	End Tape #10 (drive still erroring)	
522	"	"	"	"	11	528	522	Start Tape #11 (drive 1)	
593	151	07:39	10 42.280 N	086 25.653 W	11	593	593	End Tape #11 →	
Acquisition File 598 is File 595						Drive 6 failed, Tape 12 not loading - missing shot 598			
598	151	missing	start lat	lon & GMT	12	604	595	Start Tape #12 drive 8	
603	151	07:49	10 41.803 N	086 26.148	12	609	600	near beginning of Tape #12	
622	151	08:07	10 40.929 N	086 27.019 W	12	627	618	End Tape #12	
622	151	"	"	"	13	628	619	Beginning Tape #13 drive 1	
693	151	09:19	10 37.506 N	086 30.509 W	13	699	690	End Tape #13	
694	"	"	"	"	14	700	691	Beginning Tape #14	

Note: Trace # 70 consistently noisy

CRUISE: EW0005

NIC 204

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 2

Source:	20		Area: Nicaragua	Shot rate: ~60/sec	125	M		Channels: 240
Number of guns:			Pressure:	Sample rate:				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	151	0940	10 36.485	086 31.546W	14	722	713	End tape #14
	151	0941	10 36.450	086 31.571	15	723	714	Beginning tape #15
	151	1054	10 32.989N	086 35.075W	15	795	786	End tape #15
	151	"	"	"	16	795	786	Begin tape #16
	151	1116	10 31.942N	086 36.140W	16	809	818	End tape #16
	151	1117	10 31.895N	086 36.198W	17	810	819	Switched to drive #1, Begin tape #17
	151	1230	10 28.261 N	086 37.850W	17	819	880	Start drive #1, End #17
	151	1231	"	"	18	820	881	Start drive #1, Tape #18
	151	1251	10 27.287N	086 40.857W	18	911	902	End drive #1, AD, End
	151	1251	"	"	19	912	903	Start drive #1, Tape 19
	151	1404	10 23.741N	086 44.451W	19	975	976	End tape 19, drive #1
	151	1404	"	"	20	986	977	Start tape 20, drive #1
	151	1427	10 22.646	086 45.583	20	1009	1000	End tape 20, drive #1
	151	1428	"	"	21	1000	1008	Start tape 21, drive #1
	151	1541	10 19.151N	086 49.100	21	1081	1072	End tape 21, drive #1
	151	1542	"	"	22	1082	1073	Start tape 22, drive #1
	151	1606	10 17.997	086 50.265	22	1108	1098	End tape #22, drive #1
	151	1607	"	"	23	1109	1099	Start tape #23, drive #1
	151	1719	10 14.512	086 53.778	23	1179	1170	End tape 23, drive #1
	151	1720	"	"	24	1180	1171	Start tape 24, drive #1
	151	1741	10 13.477N	086 54.028	24	1203	1194	End tape 24, drive #1
	151	1742	"	"	25	1204	1195	Start tape 25, drive #1
	151	18:57	10 09.870W	086 58.502W	25	1275	1266	End tape 25, drive #1
	151	18:58	"	"	26	1276	1267	Start tape 26, drive #1
	151	19:18	10 08.857N	086 59.510 W	26	1299	1290	End tape 26, drive #1
	151	19:19	10 08.857N	"	27	1300	1291	Start tape 27, drive #1
	151	20:30	10 05.453N	087 02.940 W	27	1370	1361	End tape 27, drive #1
	151	20:31	"	"	28	1371	1362	Start tape 28, drive #1
	151	20:52	10 04.447N	087 03.976W	28	1397	1388	End tape 28, drive #1
	151	20:53	"	"	29	1398	1389	Start tape 29, drive #1
	151	22:04	10 01.086	087 07.352	29	1463	1454	End tape 29, drive #1

switched  
to drive #1  
15+16  
shot + file  
did not  
increment

AD, End  
no auto  
load

**CRUISE:** EW0005

**PAGE: 3**

Source:		Area:		Shot rate:		Channels:	
Number of guns:		Pressure:		Sample rate:		Aux. channels:	
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #
	151	22:04	10° 01.086N	087° 07.352	30	1465	1456
	151	22:26	10° 00.046 N	087° 08.408 W	30	<del>1468</del> 1478	1478
	151	22:27	10° 00.046 N	087° 08.408 W	31	1488	1479
	151	23:39	09° 56.625 N	087° 11.923 W	31	1559	1550
	152	24:47	09° 53.413 N	087° 15.154 W	51		
							Beginning of Tape 30 Dr φ
							End of Tape 30 Dr φ
							Start of Tape 31 Dr 1
							End of Tape 31 Dr 1
							End MIC 20 ft
							Tape unload testing equipment.

NIC 20

CRUISE:

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 4

Source:			Area: <u>Nicaragua</u>	Shot rate: <u>50 Meters</u> - switch to time 00:06 every 20 sec.	Channels: <u>240</u>			
Number of guns:	<u>20</u>		Pressure: <u>2000</u>	Sample rate: <u>2 MS</u>	Aux. channels: <u>-</u>			
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	<u>152</u>	<u>02:43:30</u>	<u>09° 52.500 N</u>	<u>087° 16.056 W</u>	<u>50</u>	<u>1</u>	<u>1</u>	Shooting MCS NIC20
								Start Tape # <u>50</u>
	<u>152</u>	<u>03:40:05</u>	<u>09° 54.239 N</u>	<u>087 14.292 W</u>	<u>50</u>	<u>91</u>	<u>91</u>	END TAPE # <u>50</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>51</u>	<u>92</u>	<u>92</u>	Start Tape # <u>51</u>
	<u>152</u>	<u>03:46</u>	<u>09° 56.133 N</u>	<u>087° 12.863 W</u>	<u>51</u>	<u>182</u>	<u>182</u>	End Tape # <u>51</u>
	<u>152</u>	<u>41</u>	<u>41</u>	<u>11</u>	<u>52</u>	<u>183</u>	<u>183</u>	Start Tape # <u>52</u>
	<u>152</u>	<u>04:06</u>	<u>09 57.269 N</u>	<u>087° 11.222 W</u>	<u>52</u>	<u>253</u>	<u>253</u>	Change to shot by time - every 20 sec.
	<u>152</u>	<u>04:15</u>	<u>09 57.721 N</u>	<u>087° 10.755 W</u>	<u>52</u>	<u>273</u>	<u>273</u>	End Tape # <u>52</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>53</u>	<u>274</u>	<u>274</u>	Start Tape # <u>53</u>
	<del>152</del>	<del>04:40</del>	<del>09 57.167 N</del>	<del>087° 09.605 W</del>	<del>53</del>	<del>---</del>	<del>---</del>	Label program error
	<u>152</u>	<u>04:46</u>	<u>09° 59.500 N</u>	<u>087° 08.967 W</u>	<u>53</u>	<u>364</u>	<u>364</u>	End Tape <u>53</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>54</u>	<u>365</u>	<u>365</u>	Start Tape <u>54</u>
	<u>152</u>	<u>05:15</u>	<u>10° 01.157 N</u>	<u>087° 07.278 W</u>	<u>54</u>	<u>455</u>	<u>455</u>	End Tape <u>54</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>55</u>	<u>456</u>	<u>456</u>	Start Tape <u>55</u>
	<u>152</u>	<u>05:46</u>	<u>10° 02.917 N</u>	<u>087° 05.514 W</u>	<u>55</u>	<u>546</u>	<u>546</u>	End Tape <u>55</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>56</u>	<u>547</u>	<u>547</u>	Start Tape <u>56</u>
	<u>152</u>	<u>06:16</u>	<u>10 04.671 N</u>	<u>087 03.740 W</u>	<u>56</u>	<u>637</u>	<u>637</u>	End Tape <u>56</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>57</u>	<u>638</u>	<u>638</u>	Start Tape <u>57</u>
	<u>152</u>	<u>06:46</u>	<u>10 06.405 N</u>	<u>087 01.991 W</u>	<u>57</u>	<u>728</u>	<u>728</u>	End Tape <u>57</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>58</u>	<u>729</u>	<u>729</u>	Start Tape <u>58</u>
	<u>152</u>	<u>07:17</u>	<u>10 08.099 N</u>	<u>087 00.265 W</u>	<u>58</u>	<u>819</u>	<u>819</u>	End Tape <u>58</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>59</u>	<u>820</u>	<u>820</u>	Start Tape <u>59</u>
	<u>152</u>	<u>07:47</u>	<u>10 09.779 N</u>	<u>086 58.571 W</u>	<u>59</u>	<u>910</u>	<u>910</u>	End Tape <u>59</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>60</u>	<u>911</u>	<u>911</u>	Start Tape <u>60</u>
	<u>152</u>	<u>08:17</u>	<u>10 11.474 N</u>	<u>086 56.863 W</u>	<u>60</u>	<u>1001</u>	<u>1001</u>	End Tape <u>60</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>61</u>	<u>1002</u>	<u>1002</u>	Start Tape <u>61</u>
	<u>152</u>	<u>08:48</u>	<u>10 13.211 N</u>	<u>086 55.087 W</u>	<u>61</u>	<u>1092</u>	<u>1092</u>	End Tape <u>61</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>62</u>	<u>1093</u>	<u>1093</u>	Start Tape <u>62</u>
	<u>152</u>	<u>09:18</u>	<u>10 14.995 N</u>	<u>086 53.299 W</u>	<u>62</u>	<u>1183</u>	<u>1183</u>	End Tape <u>62</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>63</u>	<u>1184</u>	<u>1184</u>	Start Tape <u>63</u>
	<u>152</u>	<u>09:48</u>	<u>10 16.686 N</u>	<u>086 51.588 W</u>	<u>63</u>	<u>1274</u>	<u>1274</u>	End Tape <u>63</u>
	<u>152</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>64</u>	<u>1275</u>	<u>1275</u>	Start Tape <u>64</u>

Note:  
Streamers  
not straight  
e start

Note:  
Streamer  
not straight  
@ start

NIC 20

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 5

Source:			Area: Nicaragua	Shot rate: 20 S				Channels: 240
Number of guns:	20		Pressure: 2000	Sample rate: 2ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	152	1019	10 18.442 N	086 49.795 W	64	1305	1305	End Tape 64
	152	"	"	"	65	1305	1305	Begin Tape 65
	152	10 50	10 20.225 N	086 47.999 W	65	1456	1456	End Tape 65
	152	"	"	"	66	1457	1457	Start Tape 66
	152	11 19	10 21.931 N	086 46.257 W	66	1547	1547	End Tape 66
	152	"	"	"	67	1548	1548	Start Tape 67
	152	11 50	10 23.671 N	086 44.501 W	67	1638	1638	End Tape 67
	152	"	"	"	68	1639	1639	Start Tape 68
	152	12 20	10° 25.461' N	086° 42.687' W	68	1729	1729	End Tape 68
	152	12 21	"	"	69	1730	1730	Start tape 69
	152	12 51	10° 27.207 N	086° 40.926 W	69	1820	1820	End Tape 69
	152	12 52	"	"	70	1821	1821	Start tape 70
	152	13 21	10° 28.922' N	086° 39.179 W	70	1911	1911	End tape 70
	152	13 21	"	"	71	1912	1912	Start tape 71
	152	13 52	10° 30.660' N	086° 37.438 W	71	2002	2002	End tape 71
	152	13 52	"	"	72	2003	2003	Start tape 72
	152	14 22	10° 32.401' N	086° 35.673 W	72	2093	2093	End tape 72
	152	14 22	"	"	73	2094	2094	Start tape 73
	152	14 52	10° 34.127' N	086° 33.923 W	73	2184	2184	End tape 73
	152	14 52	"	"	74	2185	2185	Start tape 74
	152	15 23	10° 35.895' N	086° 32.116	74	2275	2275	End Tape 74
	152	15 23	"	"	75	2276	2276	Start tape 75
	152	15 53	10° 37.681	086° 30.305	75	2366	2366	End Tape 75
	152	15 53	"	"	76	2367	2367	Start tape 76
	152	16 23	10° 39.386	086° 28.580	76	2457	2457	End Tape 76
	152	16 23	"	"	77	2458	2458	Start Tape 77
	152	16 53	10° 41.123	086° 26.801	77	2548	2548	End Tape 77
	152	16 53	"	"	78	2549	2549	Start Tape 78
	152	17 24	10° 42.909	086° 25.06	78	2639	2639	End tape 78
	152	17 24	"	"	79	2640	2640	Start tape 79
	152	17 54	10 44.588 N	086° 23.300	79	2730	2730	End Tape 79
	152	17 54	10° 44.588 N	086° 23.300	80	2731	2731	Beginning of Tape 80

Source:			Area: Nicaragua	Shot rate: 2.0 s				Channels: 240
Number of guns:	20		Pressure: 2000	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	152	18:25	10° 46.378 N	086° 21.469 W	80	2821	2821	End of Tape 80 Dr 0
	152	18:26	"	"	81	2822	2822	Start of Tape 81, Dr 1
	152	18:54	10° 48.086 N	086° 19.755 W	81	2912	2912	End of Tape 81, Dr 1
	152	18:54	"	"	82	2913	2913	Start of Tape 82, Dr 0
	152	19:25	10° 49.843 N	086° 17.973 W	82	3003	3003	End of Tape 82, Dr 0
	152	19:25	10° 49.843 N	086° 17.973 W	83	3004	3004	Beginning of Tape 83, Dr 1
	152	19:55	10° 51.600 N	086° 16.202 W	83	3094	3094	End of Tape 83, Dr 1
	152	19:55	"	"	84	3095	3095	Beginning of Tape 84, Dr 0
	152	20:26	10° 53.395 N	086° 14.373 W	84	3185	3185	EOT 84, Dr 0
	152	20:27	"	"	85	3186	3186	BOT 85, Dr 1
	152	20:56	10° 55. N	086° 12. W	85	3276	3276	EOT 85, Dr 1
	152	20:57	"	"	86	3277	3277	BOT 86, Dr 0
	152	21:26	10° 56.828 N	086° 10.901 W	86	3367	3367	EOT 86, Dr 0
	152	21:26	10° 56.828 N	086° 10.901 W	87	3368	3368	BOT 87, Dr 1
	152	21:56	10° 58.542 N	086° 09.170 W	87	3458	3458	EOT 87, Dr 1
	152	21:57	"	"	88	3459	3459	BOT 88, Dr 0
	152	22:27	10° 00.321 N	086° 07.350 W	88	3549	3549	EOT 88, Dr 0
	152	22:27	"	"	89	3550	3550	BOT 89, Dr 1
	152	22:57	11° 01.985 N	086° 05.669 W	89	3640	3640	EOT 89, Dr 1
	152	22:57	"	"	90	3641	3641	BOT 90, Dr 0
	152	23:27	11° 03.741 N	086° 03.882 W	90	3731	3731	EOT 90, Dr 0
	152	23:28	"	"	91	3732	3732	BOT 91, Dr 1
	152	23:58	11° 05.497 N	086° 02.111 W	91	3822	3822	EOT 91, Dr 1
	152	23:58	"	"	92	3823	3823	BOT 92, Dr 0
	153	00:28	11° 07.123 N	086° 00.442 W	92	3913	3913	EOT 92, Dr 0
	153	"	"	"	93	3914	3914	BOT 93, Dr 1
	153	00:58	11° 08.847 N	085° 58.892 W	93	4004	4004	EOT 93, Dr 1
	153	"	"	"	94	4005	4005	BOT 94, Dr 0
	153	00:29	11° 10.585 N	085° 56.940 W	94	4095	4095	EOT 94, Dr 0
	153	"	"	"	95	4096	4096	BOT 95, Dr 1
	153	01:53	11° 11.903 N	085° 55.868 W	95	4176	4176	EOT 95, Dr 1
END of Line NIC 20								

Start turn, begin line NIC 15

EW 0005

NIC 15

# R/V MAURICE EWING SEISMIC RECORDING LOG

**PAGE: 7**

Source:		Area: Nicaragua		Shot rate: 20 sec.		Channels: 240	
Number of guns: 4		Pressure: 2000		Sample rate: 2ms		Aux. channels:	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #
	153	01:53	11° 11.903 N	085° 55.528 W	96	4177	4177
	153	02:28	11° 10.555 N	085° 53.581 W	96	4268	4268
	153	02:28	"	"	97	4269	4269
	153	02:58	11° 08.597 N	085° 52.142 W	97	4359	4359
	153	"	"	"	98	4360	4360
	153	03:19	11° 07.227 N	085° 51.179 W	98	4416	4416
							END OF LINE NIC 15

NIC 20 to  
NIC 14)

NIC 14 & NIC10

CRUISE: EW0005

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 8

Source:			Area: Nicaragua	Shot rate: 24 sec	Record Length	20 sec	Channels: 240	
Number of guns:	20		Pressure: 2000	Sample rate: 2 ms			Aux channels: NO Reel 99 (5)	
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	153	03:24	11° 06.770 N	085° 51.112 W	100	1	1	Start Line 14 (only 48 guns while in turn)
	-	-	-	-	-	-	-	BOT 100 Dr. φ
	153	03:51	11° 05.186 N	085° 52.132 W	100	72	72	all 20 guns on EOT 100
	153	"	"	"	101	73	73	BOT 101 Dr. 1
	153	04:21	11° 03.768	085° 53.591 W	101	144	144	EOT 101
	153	"	"	"	102	145	145	BOT 102 Dr. φ
	153	04:50	11° 02.428	085° 54.969	102	216	216	EOT 102
	153	"	"	"	103	217	217	BOT 103 Dr. 1
	153	05:18	11° 01.026 N	085° 56.415 W	103	288	288	EOT 103 Dr. 1
	153	"	"	"	104	289	289	BOT 104 Dr. φ
	153	05:42	10° 59.657 N	085° 57.812 W	104	360	360	EOT 104 Dr. φ
	153	"	"	"	105	361	361	BOT 105 Dr. 1
	153	06:16	10 58.336 N	085 59.145 W	105	432	432	End 105 Dr. 1
	153	"	"	"	106	433	433	Start 106 Dr. φ
	153	06:44	10 57.022 N	086 00.481 W	106	504	504	End 106 Dr. φ
	153	"	"	"	107	505	505	Start 07 Dr. 1
	153	07:13	10 55.698 N	086 01.845 W	107	576	576	End 07 Dr. 1
	153	"	"	"	108	577	577	Start 08 Dr. φ
	153	07:42	10 54.388 N	086 03.180 W	108	648	648	End 08 Dr. φ
	153	"	"	"	109	649	649	Start 09 Dr. 1
	153	08:11	10 53.029 N	086 04.553 W	109	720	720	End 09 Dr. 1
	153	"	"	"	110	721	721	Start 10 Dr. φ
	153	08:40	10 51.697 N	086 05.891 W	110	792	792	End 10 Dr. φ
	153	"	"	"	111	793	793	Start 11 Dr. 1
	153	09:07	10 50.396 N	086 07.205 W	111	859	859	Last Shot on 11 before turn
Line 10	153	09:54	10 44.115 N	085 58.917 W	112	1	1	Start 112 Dr. φ, Line 10
Shot rate	153	12:24	10° 42.472	086° 00.504	112	91	91	End Tape 112
20 sec	153	12:24	"	"	113	92	92	Start Tape 113
	153	12:55	10° 40.777	086° 02.262	113	182	182	End Tape 113
	153	"	"	"	114	183	183	Start Tape 114
Record length	153	13:25	10° 39° 070 N	086° 04.000 W	114	273	273	End tape 114
16 sec	153	13:25	"	"	115	274	274	Start tape 115

1322

115

115 → 292

Label printed - ?

Line 14  
EOL  
end



Source:			Area: Nicaragua	Shot rate: 20 s				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2ms				Aux. channels:
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
153	153	13:35	10° 37.330 N	086° 05.756 W	115	364	364	End Red 115
	153	13:55	"	"	116	365	365	Start Red 116
	153	14:26	10° 35.532 N	086° 07.637	116	455	455	End tape 116
	153	14:26	"	"	117	456	456	Start tape 117
	153	14:29				466		Gun #12 off -
	153	14:42				505		Gun #12 on
	153	14:56	10° 33.885 N	086° 09.325 W	117	546	546	End tape 117
	153	14:56	"	"	118	547	547	Start tape 118
	153	15:27	10° 32.822 N	086° 11.159	118	637	637	End of tape 118
	153	15:27	"	"	119	638	638	Start tape 119
	153	15:56	10° 30.409	086° 12.904	119	728	728	End tape 119
	153	15:56	"	"	120	729	729	Start tape 120
	153	16:26	10° 28.662 N	086° 14.648 W	120	816	816	End tape 120
	153	16:26	"	"	121	817	817	Start tape 121
	153	16:57	10° 26.958 N	086° 16.428 W	121	910	910	End of tape 121
	153	16:57	"	"	122	911	911	Start tape 122
	153	17:28	10° 25.174 N	086° 18.284 W	122	1001	1001	End tape 122
	153	17:28	"	"	123	1002	1002	Start tape 123
	153	17:59	10° 23.470 N	086° 20.040 W	123	1092	1092	EOT 123
	153	17:59	"	"	124	1093	1093	BOT 124
	153	18:28	10° 21.752 N	086° 21.799 W	124	1183	1183	EOT 124
	153	18:28	"	"	125	1184	1184	BOT 125
	153	18:58	10° 20.023 N	086° 23.571 W	125	1274	1274	EOT 125
	153	18:58	"	"	126	1275	1275	BOT 126
	153	19:29	10° 18.243 N	086° 25.390 W	126	1365	1365	EOT 126
	153	19:29	"	"	127	1366	1366	BOT 127
	153	19:59	10° 16.503 N	086° 27.174 W	127	1456	1456	EOT 127
	153	19:59	"	"	128	1457	1457	BOT 128
	153	20:29	10° 14.764 N	086° 28.920 W	128	1547	1547	EOT 128
	153	20:29	"	"	129	1548	1548	BOT 129
	153	20:59	10° 13.025 N	086° 30.741 W	129	1638	1638	EOT 129
	153	20:59	"	"	130	1639	1639	BOT 130

CRUISE: EW 0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 10

Source:			Area: Nicaragua	Shot rate: 20 s				Channels: 240
Number of guns:		20	Pressure: 2000 psi	Sample rate: 2ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	153	21:30	10° 11.235 N	086° 32.580 W	130	1729	1729	EOT 130, Dr 0
	153	21:30	"	"	131	1730	1730	BOT 131, Dr 1
	153	22:00	10° 09.587 N	086° 34.274 W	131	1820	1820	EOT 131, Dr 1
	153	22:00	"	"	132	1821	1821	BOT 132, Dr 0
	153	22:31	10 07.848	086 36.050 W	132	1912	1912	EOT 132, Dr 0
	153	22:31	"	"	133	1912	1912	BOT 133, Dr 1
	153	23:01	10 06.109 N	086° 37.847 W	133	2002	2002	EOT 133, Dr 1
	153	23:01	"	"	134	2003	2003	BOT 134, Dr 0
	153	23:31	10° 04.454 N	086° 39.557	134	2093	2093	EOT 134, Dr 0
	153	23:31	"	"	135	2094	2094	BOT 135, Dr 1
	154	00:02	10° 02.802 N	086 41.229	135	2184	2184	EOT 135
	154	"	"	"	136	2185	2185	BOT 136 Dr. 0
	154	00:32	10° 01.050 N	086° 43.049 W	136	2275	2275	EOT 136 Dr. 0
	154	"	"	"	137	2276	2276	BOT 137 Dr. 1
	154	00:40	10° 00.566 N	086° 43.524 W	137	2298	2298	END of Line NIC 10

# Test

CRUISE: EW 0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 11

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:	4		Pressure: 2000	Sample rate: 2 ms				Aux channels: Record length = 16 sec.
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	154	00:44	10° 00.325 N	086° 43.929 W	50	2300	1	Start Test Line Dr. d
	154	01:18	10° 01.216 N	086° 46.207 W	50	2390	91	End of Tape Dr. d
	154	"	"	"	51	2392	92	Bot 51 Dr. 1
	154	01:51	10° 01.974 N	086° 48.754 W	51	2481	182	EOT 51 Dr. 1
	154	"	"	"	52	2482	183	Bot 52 Dr. 1
	154	02:25	10° 02.823 N	086° 51.380 W	52	2572	273	EOT 52 Dr. 1
	154	"	"	"	53	2573	274	Bot 53 Dr. 1
	154	02:57	10° 03.639 N	086° 53.920 W	53	2663	364	EOT 53
	154	"	"	"	54	2664	365	Bot 54
	154	03:26	10° 04.340 N	086° 56.135 W	54	2740	441	END of TEST LINE
	<del>154</del>	<del>04:00</del>	<del>10° 08.488 N</del>	<del>086° 58.654 W</del>				

CRUISE: EW0005

NIC 22

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 12

Source:		Area: Nicaragua	Shot rate: 50 meters	# Shooting on Distance!	Channels: 240			
Number of guns: 20		Pressure: 2000	Sample rate: 2 ms		Aver channels: Rec. Length 16 sec			
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	154	04:16	10° 06.732 N	086° 58.628 W	140	1	1	START LINE NIC 22
	—	—	—	—	—	—	—	only 18 guns for start BOT 140 Dr. $\phi$
	154	04:31	10° 07.491 N	086° 57.771 W	140	49	45	-all 20 guns on-line
	154	04:46	10° 08.380 N	086° 56.901 W	140	91	91	EOT 140 Dr. $\phi$
	154	"	"	"	141	92	92	BOT 141 Dr. 1
	154	05:17	10° 10.155 N	086° 55.111 W	141	182	182	EOT 141
	154	"	"	"	142	183	183	BOT 142 Dr. $\phi$
	154	06:17	10 13.609 N	086 51.633 W				pulling in gun #11
	154	0620	10 13.750 N	086 51.493 W	142	197	197	REEL 142 NOT RECORDING? stopped at 197, 'LEFT' # NOT RECORDING has been for a while still not recording
	154	0623	10 13.931	086 51.308	142			unloading
	154	"	"	"	143			Switching to reel 143 - gun 11 back in
	154	0632	10 14.453	086 50.777				Starting reel 143, drive $\phi$
	154	0643	10 15.034 N	086 50.190 W	143	437	438	End 143
	154	0713	10 16.756 N	086 48.441 W	143	527	528	Start 144 Dr. 1
	154	"	"	"	144	528	529	End 144
	154	0744	10 18.505 N	086 46.672 W	144	618	619	Start 145 Dr. $\phi$
	154	"	"	"	145	619	620	End 145 Dr. $\phi$
	154	0815	10 20.257 N	086 44.917	145	708	709	Start 146 Dr. 1
	154	"	"	"	146	709	710	End 146
	154	0846	10 22.010 N	086 43.148 W	146	800	801	Start 147 Dr. $\phi$
	154	"	"	"	147	801	802	End 147 Dr. $\phi$
	154	0917	10 23.754 N	086 41.370 W	147	891	892	Start 148 Dr. 1
	154	"	"	"	148	892	893	End 148
	154	0947	10 25.488	086 39.605 W	148	982	983	Start 149 Dr. $\phi$
	154	"	"	"	149	983	984	End 149
	154	1017	10 27.285 N	086 37.821 W	149	1073	1074	Start 150 Dr. 1
	154	"	"	"	150	1074	1075	End 150
	154	1048	10 28.992 N	086 36.073 W	150	1164	1165	Start 151 Dr. $\phi$
	154	"	"	"	151	1165	1166	End 151
	154	1120	10 30.727 N	086 34.317 W	151	1255	1256	Start 152 Dr. 1
	154	"	"	"	152	1256	1257	

NIC22 &amp; NIC 26

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 13

Source:			Area: Nicaragua	Shot rate: 50 m "Shooting" on distance			Channels: 240	
Number of guns:	20		Pressure: 2000	Sample rate: 2ms			Aux channels: Rec. Length 16 sec	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	154	1152	10 32.491 N	086 32.542 W	152	1346	1347	End 152
	154	"	"	"	153	1347	1348	Start 153 & .0
	154	1223	10° 34.271	086° 30.717		1438	1438	End Tape 153
	154	1223	"	"	154	1439	1438	Start tape 154
	154	1253	10° 36.010	086° 28.959	154	1529	1529	End tape 154
	154	1253	"	"	155	1530	1530	Start tape 155
	154	1323	10° 37.710	086° 27.176	155	1620	1620	End tape 155
	154	1323	"	"	156	1621	1621	Start tape 156
	154	1351	10° 39.545	086 25.398	156	1711	1711	End of tape 156
	154	1351	"	"	157	1712	1712	Start of tape 157
	154	1422	10° 41.241	086° 23.649	157	1802	1802	End Tape 157
	154	1422	"	"	158	1803	1803	Start Tape 158
	154	1446			158	1876	1876	End tape 158
	154	1532	10° 44.145	086° 25.398	159	1	1	Start tape 159 - Start line
	154	1605	10° 42.390	086° 27.189	159	91	91	End tape 159
	154	1606	"	"	160	92	92	Start tape 160
	154	1639	10° 40.648	086° 28.988	160	1824	182	End tape 160
	154	1639	"	"	161	185	183	Start line 161
	154	1710	10° 38.878 N	086° 30.734 W	161	275	273	End line 161
	154	1710	"	"	162	276	274	Start line 162
		1715						Guns 15, 16, 17 off
		1726						Guns 15, 16, 17 off
		1737						Guns 15, 16, 17 off
	154	1740	10° 37.147 N	086° 32.473 W	162	366	364	End line 162
	154	1740	"	"	163	367	365	Start line 163
	154	1810	10° 35.363 N	086° 34.288 W	163	457	455	EOT 163
	154	1810	"	"	164	458	456	BOT 164
	154	1841	10° 33.644 N	086° 36.050 W	164	548	546	EOT 164
	154	1841	"	"	165	549	547	BOT 165
	154	1912	10 31.903 N	086° 37.802 W	165	639	637	EOT 165
	154	1912	"	"	166	640	638	BOT 166
	154	1945	10 29.926 N	086.39.813 W	166	742	728	EOT 166

cut 2  
files?

NIC 26 - NIC 24

CRUISE: Ew0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 14

Source:			Area: Nicaragua	Shot rate: 50a				Channels: 240
Number of guns:	20		Pressure: 2000	Sample rate: 2ms				Aux. channels: Rec Length 16.
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	154	19:45	10° 29.926 N	086° 39.813 W	167	743	729	BOT 167
	154	20:17	10° 28.181 N	086° 41.573 W	167	833	819	EOT 167
	154	20:17	10° 28.181 N	"	168	834	820	BOT 168
	154	20:48			168	924	910	EOT 168
	154	20:48	10° 26.290 N	086° 43.470 W	169	925	911	BOT 169
	154	20:18	10° 24.686 N	086° 45.112 W	169	1015	1001	EOT 169
	154	21:18	"	"	170	1016	1002	BOT 170
	154	21:47	10° 22.937 N	086° 46.869 W	170	1106	1092	EOT 170
	154	21:47	10° 22.937 N	86° 46.869 W	171	1107	1093	BOT 171
	154	22:18	10° 21.157 N	086° 48.679 W	171	1197	1183	EOT 171
	154	22:18	"	"	172	1198	1184	BOT 172
	154	22:49	10° 19.453 N	086° 50.403 W	172	1288	1274	EOT 172
	154	22:49	"	"	173	1289	1275	BOT 173
	154	23:20	10° 17.753 N	086° 52.100 W	173	1379	1365	EOT 173
	154	23:20	"	"	174	1380	1366	BOT 174
	154	23:53	10° 16.00 N	086° 53.932 W	174	1492	1456	EOT 174
	154	23:53	"	"	175	1473	1457	BOT 175
	155	0024	10° 14.170 N	086° 55.731 W	175	1563	1547	EOT 175
	155	"	"	"	176	1564	1548	BOT 176
	155	0053	10° 12.453 N	086° 57.463 W	176	1654	1638	EOT 176
	155	"	"	"	177	1655	1639	BOT 177
	155	01:15	10° 11.068 N	086° 58.872 W	177	1720	1695	EOT and EOL NIC 26
	155	02:00	10° 09.962 N	086° 56.963 W	178	1	1	Start Newline - NIC 24
	155							1st shot @ S.P. # 14 (2-13 - no shots)
	155	02:26	10° 11.424 N	086° 55.413 W	178	91	91	EOT 178
	155	"	"	"	179	92	92	BOT 179
	155	02:57	10° 13.170 N	086° 53.636 W	179	182	182	EOT 179
	155	"	"	"	180	183	183	BOT 180
	155	03:27	10° 14.908 N	086° 51.887 W	180	273	273	EOT 180
	155	"	"	"	181	274	274	BOT 181
	155	03:57	10° 16.645 N	086° 50.126 W	181	364	364	EOT 181 } Some Nav. Header Errors

Source:			Area: Nicaragua	Shot rate: 50 meters				Channels: 240
Number of guns:	20		Pressure: 2000	Sample rate: 2ms				Aux. channels: 2 (anal) 16 sec
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	155	03:57	10° 16.645 N	086° 50.126 W	182	365	365	BOT 182
	155	04:27	10° 18.403 N	086° 48.337 W	182	455	455	EOT 182
	155	"	"	"	183	456	456	BOT 183
	155	04:58	10° 20.138 N	086° 46.572 W	183	546	546	EOT 183
	—	—	<del>10° 20.138 N</del>	<del>086° 46.572 W</del>	<del>183</del>	<del>546</del>	<del>546</del>	—
	155	04:58	10° 20.138 N	086° 46.572 W	184	547	547	BOT 184
	155	05:12	10° 20.995 N	086° 45.713 W	184	585	?	Stopped shooting/restarted T-tie
	155	05:21	10° 21.525 N	086° 45.195 W	184	605	606	"
			switch to shooting by time every 20 seconds					— C File #606 / Shot #615
	155	05:31	10° 22.085 N	086° 44.631 W	184	646	637	EOT 184
	155	"	"	"	185	647	638	BOT 185
	155	06:01	10 23.778 N	086 42.881 W	185	737	728	End 185
	155	"	"	"	186	738	729	Begin 186
	155	06:32	10 25.515 N	086 41.154 W	186	828	819	End 186
	155	"	"	"	187	829	820	Start 187
	155	07:02	10 27.269 N	086 39.379 W	187	919	910	End 187
	155	"	"	"	188	920	911	Start 188
	155	07:32	10 29.023 N	086 37.607 W	188	1010	1001	End 188
	155	"	"	"	189	1011	1002	Start 189
	155	08:03	10 30.762 N	086 35.844 W	189	1101	1092	End 189
	155	"	"	"	190	1102	1093	Start 190
	155	08:33	10 32.528 N	086 34.033 W	190	1192	1183	End 190
	155	"	"	"	191	1193	1184	Start 191
	155	09:03	10 34.222 N	086 32.311 W	191	1283	1274	End 191
	155	"	"	"	192	1284	1275	Start 192
	155	09:34	10 36.001 N	086 30.547 W	192	1374	1365	End 192
	155	"	"	"	193	1375	1366	Start 193
	155	10:04	10 37.725 N	086 28.792 W	193	1465	1456	End 193
	155	"	"	"	194	1466	1457	Start 194
	155	10:34	10 39.482 N	086 27.009 W	194	1556	1547	End 194
	155	"	"	"	195	1557	1548	Start 195
	155	10:49	10 40.367 N	086 40.367 W	195	1601	1592	End 195

Errors

missed  
shots!

T-time out

C.F. #606 / Shot #615

Source:			Area: NIKANAKUA	Shot rate: 20 SEC				Channels: 240
Number of guns:	20		Pressure: 2000	Sample rate: 2 ms				Aux. channels: RECORD LENGTH 16 SEC
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	155	1143	10° 43.249 N	086° 27.766 W	196	1	1	BEGIN LINE NIC28 BOT 196
	155	1214	10° 41.635	086° 29.514	196	91	91	End <del>tape</del> tape 196
	155	1214	"	"	197	92	92	Start tape 197
	155	1244	10° 39.861	086° 31.317 W	197	182	182	end of tape 197
	155	1244	"	"	198	183	183	Start tape 198
		1500	Noticed a lot of low freq noise in streamer					
	155	1315	10° 38.042 N	086° 33.118 W	198	273	273	end. tape 198
	155	1315	"	"	199	274	274	Start tape 199
	155	1344	10° 36.301 N	086° 34.899 W	199	364	364	end tape 199
	155	"	"	"	200	365	365	Start tape 200
	155	1415	10° 34.479 N	086° 36.724 W	200	455	455	End tape 200
	155	1415	"	"	201	456	456	Start tape 201
	155	1445	10° 32.788 N	086° 38.467 W	201	546	546	End tape 201
	155	1445	"	"	202	547	547	Start tape 202
	155	1515	10° 31.066 N	086° 40.190 W	202	637	637	End tape 202
	155	1515	"	"	203	638	638	Start tape 203
		1522	Channel 164 commonly shows large noise spikes					
	155	1540	10° 29.321 N	086° 41.962 W	203	728	728	End tape 203
	155	1546	"	"	204	729	729	Start tape 204
	155	1616	10° 27.596 N	086° 43.711 W	204	819	819	End tape 204
	155	1616	"	"	205	820	820	Start tape 205
	155	1646	10° 25.862 N	086° 45.477 W	205	910	910	End tape 205
	155	1647	"	"	206	911	911	Start tape 206
	155	1717	10° 24.108 N	086° 47.255 W	206	1001	1001	End tape 206
	155	1717	"	"	207	1002	1002	Start tape 207
	155	1747	10° 22.358 N	086° 49.003 W	207	1092	1092	End tape 207
	155	1747	10	"	208	1093	1093	Start tape 208, Pro
	155	18:18	10° 20.653 N	086° 50.746 W	208	1183	1183	EOT 208 Pro
	155	18:19	"	"	209	1184	1184	BOT 209 Pro
	155	18:48	10° 18.872 N	086° 52.534 W	209	1274	1274	EOT 209, Pro
	155	18:48	"	"	210	1275	1275	BOT 210, Pro
	155	19:18	10° 17.121 N	086° 54.310 W	210	1365	1365	EOT 210, Pro





Source:	<del>000</del>		Area: NICARAGUA	Shot rate: 20s				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	<del>155</del>							Turning 65
	155	23:24	10° 13.439N	087° 08.341W	216	1	1	BOT 216, <del>LINE</del> LINE NIC 30
	155	23:40	10° 14.211N	087° 08.302W	216	48	48	BOT LINE NIC 30 (START)
	155	23:54	10° 15.050N	087° 07.567W	216	91	91	EOT 216, Dr 0
	155	23:54	"	"	217	92	92	BOT 217, Dr 1
	156	00:25	10° 16.814N	087° 05.860W	217	182	182	EOT 217
	156	"	"	"	218	183	183	BOT 218
	156	00:55	10° 18.606N	087° 04.127W	218	273	273	EOT 218
	156	"	"	"	219	274	274	BOT 219
	156	01:26	10° 20.402	087° 02.436	219	364	364	EOT 219
	156	"	"	"	220	365	365	BOT 220
	156	01:54	10° 22.075N	087° 00.824W	220	447	447	EOT 220
	156	"	"	"	221	448	448	BOT 221
	156	02:24	10° 23.772N	086° 59.230W	221	538	538	EOT 221
	156	"	"	"	222	539	539	BOT 222
	156	02:54	10° 25.549N	086° 57.510W	222	629	629	EOT 222
	156	"	"	"	223	630	630	BOT 223
	156	03:24	10° 27.384N	086° 55.792W	223	720	720	EOT 223
	156	"	"	"	224	721	721	BOT 224
	156	03:55	10° 29.171N	086° 54.066W	224	811	811	EOT 224
	156	"	"	"	225	812	812	BOT 225
	156	04:25	10° 30.992N	086° 52.343W	225	902	902	EOT 225
	156	"	"	"	226	903	903	BOT 226
	156	04:55	10° 32.799N	086° 50.614W	226	993	993	EOT 226
	156	"	"	"	227	994	994	BOT 227
	156	05:26	10° 34.594N	086° 48.901W	227	1084	1084	EOT 227
	156	"	"	"	228	1085	1085	BOT 228
	156	05:56	10° 36.389N	086° 47.189W	228	1175	1175	EOT 228
	156	"	"	"	229	1176	1176	BOT 229
	156	06:26	10° 38.118	086° 45.546W	229	1266	1266	EOT 229
	156	"	"	"	230	1267	1267	BOT 230
	156	06:56	10° 39.879N	086° 43.877W	230	1357	1357	EOT 230

NIC 30

(START)

did not increment 91  
only 92 Files/shots

Source:			Area: Nicaragua	Shot rate: 20s				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	156	0656	10 39.879 N	086 43.877 W	231	1358	1358	BOT 231
	156	0727	10 41.671 N	086 42.182 W	231	1448	1448	EOT 231
	156	"	"	"	232	1449	1449	BOT 232
	156	0757	10 43.486 N	086 40.439 W	232	1539	1539	EOT 232
	156	"	"	"	233	1540	1540	BOT 233
	156	0827	10 45.288 N	086 38.722 W	233	1630	1630	EOT 233
	156	"	"	"	234	1631	1631	BOT 234
	156	0857	10 47.083 N	086 37.014 W	234	1721	1721	EOT 234
	156	"	"	"	235	1722	1722	BOT 235
	156	0928	10 48.837 N	086 35.336 W	235	1812	1812	EOT 235
	156	"	"	"	236	1813	1813	BOT 236
	156	0959	10 50.684 N	086 33.583 W	236	1903	1903	EOT 236
	156	"	"	"	237	1904	1904	BOT 237
	156	1028	10 52.394 N	086 31.953 W	237	1994	1994	EOT 237
	156	"	"	"	238	1995	1995	BOT 238
	156	1059	10 54.114 N	086 30.317 W	238	2085	2085	EOT 238
	156	"	"	"	239	2086	2086	BOT 239
	156	1129	10 55.960 N	086 28.553 W	239	2176	2176	EOT 239
	156	"	"	"	240	2177	2177	BOT 240
	156	1200	10 57.179 N	086 26.806 W	240	2267	2267	EOT 240
	156	"	"	"	241	2268	2268	BOT 241
	156	1230	10 59.592 N	086 25.083 W	241	2358	2358	End tape 241
	156	1232	"	"	242	2365	2359	Start tape 242 - Last 6 files
		New tape read "not ready" - old tape did not auto eject. we forcibly ejected but lost 6 files						
	156	1302	11 01.7	086 23.0	242	2445	2449	End tape 242
	156	1302	"	"	243	2456	2450	Start tape 243
	156	1333	11 03.358	086 21.478	243	2548	2540	End tape 243
	156	"	"	"	244	2547	2541	Start tape 244
	156	1403	11 05.136	086 19.825 W	244	2637	2631	End tape 244
	156	"	"	"	245	2638	2632	Start tape 245
	156	1431	"	"	245	2722	2716	End tape 245 End line

NIC 31 - NIC 40

CRUISE:

EW0005

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 20

Source:			Area: Nicaragua	Shot rate: 20 s				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
<del>156</del>	156	1510	11° 09.281' N	086° 19.454' W	246	7	7	Start line 31, start tape 246
			First 6 shots w/ no source - Guns 1-3, 11, 12 off at start of line					
	156	1540	11° 10.949' N	086° 21.385' W	246	91	91	End tape 246
	156	1540	"	"	247	92	92	Start tape 247
	156	1611	11° 12.622' N	086° 23.251' W	247	182	182	End tape 247
	156	1611	"	"	248	183	183	Start tape 248
	156	1641	11° 14.285' N	086° 25.078' W	248	273	273	End Tape 248. End line 31
<del>156</del>	<del>156</del>	<del>1748</del>	<del>"</del>	<del>"</del>	<del>249</del>	<del>"</del>	<del>"</del>	<del>Start tape 249</del>
	156	1748	System shooting but not recording					
	156	1751	11° 11.430	086° 29.472	250	10	1	Start tape 250, line 40
	156	18:21	11° 09.657 N	086° 31.034 W	250	100	91	EOT 250
	156	18:21	"	"	251	101	92	BOT 251
	156	18:52	11° 07.812 N	086° 32.740 W	251	191	182	EOT 251
	156	18:52	"	"	252	192	183	BOT 252
	156	19:22	11° 06.045 N	086° 34.379 W	252	282	273	EOT 252
	156	19:23	"	"	253	283	274	BOT 253
	156	19:52	11° 04.248 N	086° 36.030 W	253	373	364	EOT 253, Gun 10 out, 7, 8, 9 out
	156	19:52	"	"	254	374	365	BOT 254
	156	20:23	11° 02.466 N	086° 37.694 W	254	464	455	EOT 254 Guns Back 20:08
	156	20:23	"	"	255	465	456	BOT 255
	156	20:52	11° 00.688 N	086° 39.340 W	255	555	546	EOT 255
	156	20:52	"	"	256	556	547	BOT 256
	156	21:23	10° 58.819 N	086° 41.063 W	256	646	637	EOT 256
	156	21:23	"	"	257	647	638	BOT 257
	156	21:54	10° 57.030 N	086° 42.716 W	257	737	728	EOT 257
	156	21:54	"	"	258	738	729	BOT 258
	156	22:23	10° 55.235 N	086° 44.390 W	258	828	819	EOT 258
	156	22:23	<del>10° 53.420 N</del>	"	259	829	820	BOT 259
	156	22:53	10° 53.420 N	086° 46.079 W	259	919	910	EOT 259
	156	22:53	"	"	260	920	911	BOT 260
	156	23:24	10° 51.577 N	086° 47.757 W	260	1010	1001	EOT 260
	156	23:24	"	"	261	1011	1002	BOT 261

NTC 40

CRUISE: EW0005

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 21

Source:			Area: Nicaragua	Shot rate: 205				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2ms				Aux. channels: Rec length 165
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	156	23:54	10° 49.853 N	086° 49.371 W	261	1101	1092	EOT 261
	156	23:54	" "	" "	262	1102	1093	BOT 262
	156	00:25	10° 48.051	086° 51.030 W	262	1192	1188	EOT 262
	156	"	"	"	263	1193	1189	BOT 263
	157	00:55	10° 46.329 N	086° 52.630 W	263	1283	1274	EOT 263
	157	"	"	"	264	1284	1275	BOT 264
	157	01:26	10° 44.528 N	086° 54.290 W	264	1374	1365	EOT 264
	157	"	"	"	265	1375	1366	BOT 265
	157	11:56	10° 42.682 N	086° 55.331 W	265	1465	1456	EOT 265
	157	"	"	"	266	1466	1457	BOT 266
	157	02:26	10° 40.879 N	086° 57.687 W	266	1556	1547	EOT 266
	157	"	"	"	267	1557	1548	BOT 267
	157	02:57	10° 39.065 N	086° 59.358 W	267	1647	1638	EOT 267
	157	"	"	"	268	1648	1639	BOT 268
	157	03:27	10° 37.267 N	087° 00.019 W	268	1738	1729	EOT 268
	157	"	"	"	269	1739	1730	BOT 269
	157	03:57	10° 35.438 N	087° 02.710 W	269	1829	1820	EOT 269
	157	"	"	"	270	1830	1821	BOT 270
	157	04:27	10° 33.609 N	087° 04.400 W	270	1920	1911	EOT 270
	157	"	"	"	271	1921	1912	BOT 271
	157	04:58	10° 31.773 N	087° 06.100 W	271	2011	2002	EOT 271
	157	"	"	"	272	2012	2003	BOT 272
	157	05:28	10° 29.937 N	087° 07.796 W	272	2102	2093	EOT 272
	157	"	"	"	273	2103	2094	BOT 273
	157	05:58	10° 28.135 N	087° 09.476 W	273	2193	2184	EOT 273
	157	"	"	"	274	2194	2185	BOT 274
	157	06:29	10° 26.347 N	087° 11.128 W	274	2284	2275	EOT 274
	157	"	"	"	275	2285	2276	BOT 275
	157	06:59	10° 24.530 N	087° 12.780 W	275	2375	2366	EOT 275
	157	"	"	"	276	2376	2367	BOT 276
	157	07:29	10° 22.751 N	087° 14.435 W	276	2466	2457	EOT 276
	157	"	"	"	277	2467	2458	BOT 277

} some header errors?

**CRUISE:** EW0005

**PAGE:** 22

Source:		Area: Nicaragua		Shot rate: 20s		Channels: 240	
Number of guns:		Pressure: 2000 psi		Sample rate: 2ms		Aux. channels: rec length 16s	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #
	157	0800	10 20.932N	087 16.116W	277	2557	2548
	157	"	"	"	278	2558	2549
	157	0810	10 20.269N	087 16.694W			
	157	0830	10 19.052N	087 17.646W			
	"	"	"	"	278	2646	2637
							EOT 277
							Bot 278
							End of line 40
							BIRDS UP TO SURFACE
							EOT 278
							EOL NIC #40

CRUISE: EW0005

NIC 50H

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 23

Source:			Area: Nicaragua	Shot rate: 60 s				Channels: 240
Number of guns:			Pressure:	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	160	1227	11° 28.580' N	086° 29.216' W	307	2	1	Testing only
		1330	11° 36' 370' N	086° 25.911' W	100	1	1	Startline 50H, Drive Ø. Tape 100
	160	1355	11° 35' 118' N	086° 27.015' W	100	21	21	end tape 100 (drive 0. err)
	160	"	"	"	101	22	22	Start tape 101 (drive 1)
	160	1444	Speed control problems - will have variations for a while					
	160	1503	11° 31.269' N	086° 30.328' W	101	93	93	End Tape 101
	160	1504	"	"	102	94	94	Start tape 94, Drive Ø
		1519	Guy 11 off - xing Streamer					
	160	1524	11° 30.107' N	86° 31.349' W	102	114	114	End tape 102
	160	"	"	"	103	115	115	Start tape 103
	160	1530	Engines back functioning - speed 4 kts					
		1532	Guy 11 back on					
	160	1637	11° 26.418' N	86° 34.520	103	186	186	End tape 103
	160	1638	"	"	104	187	188	Start tape 104
	160	1656	11° 25.431' N	86° 35.390' W	104	207	207	End tape 104 (Err: Dr Ø)
	160	1657	"	"	105	208	208	Start tape 105
	160	18:08	11° 21.786' N	86° 38.543' W	105	279	279	EOT 105
	160	18:09	"	"	106	280	280	BOT 106
	160	18:33	11° 20.509' N	86° 39.637' W	106	300	300	EOT 106
	160	18:34	"	"	107	301	301	BOT 107
	From file 333 onwards at least half the birds were almost at the surface (107)							
	160	19:42	11° 16.916' N	86° 42.726' W	107	372	372	EOT 107
	160	19:43	"	"	108	373	373	BOT 108
	160	20:03	11° 15.639' N	86° 43.835' W	108	393	393	EOT 108
	160	20:04	"	"	109	394	394	BOT 109 (streamer OK)
	160	21:15	11° 11.573' N	086° 47.352' W	109	466	465	EOT 109 (birds 10-18 fished at 21:18)
(Recording started)	Recording stopped problem on 21:15							
	160	21:25						2 tapes labeled 109
				Not Read	110			
	160	21:26	-	-	111	470	467	BOT 111
	160	22:34	11° 07.722	086° 50.693' W	111	541	538	EOT 111
	160	22:35	"	"	112	542	539	BOT 112

Read Tapes To confirm data

Reel  
Tapes  
to  
confirm  
data

Source:	B1500C	Area:	Nicaragua	Shot rate:	60 sec			Channels:	240	
Number of guns:	20	Pressure:	2000 psi	Sample rate:	2 ms			Aux. channels:	-	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments		
			sped up to 15% low	US birds (23:50)	112	Shot 563 →	560 →	<del>560</del> , missed (3 shots) 23:48		
160	23:05	11° 06.136 N	086° 52.053 W	112	568	564		EOT 112		
160	23:05	"	"	113	569	565		BOT 113 Dr. #1		
161	00:15	11° 02.388 N	086° 55.292	113	646	636		EOT 113 Dr. #1		
161	"	"	"	115	644	638		BOT 115 - Missed shots 641 + 642		
			⊗ No Reel #114 - Dr. φ spit it back out!				Tape Dr. φ would not read tape			
							switched back to Dr. #1			
161	01:31	10° 58.512 N	086° 58.651 W	115	715	709		EOT 115 Dr. #1		
161	"	"	"	116	716	710		BOT 116 Dr. #1		
161	01:51	10° 57.436 N	086° 59.577 W	116	736	730		Dr. φ error - switch to Dr. #1		
161	"	"	"	117	737	731		BOT 117 Dr. #1		
161	03:04	10° 53.792 N	087° 02.721 W	117	808	802		EOT 117 Dr. #1		
161	"	"	"	119	812	804		BOT 119 Dr. #1		
161	03:10	switched to Reel 120 - same drive - I don't think any shots were lost				119	120	824	816	Dr. φ spit tape out
					121	825	817		BOT 121	
			so Reel 119 should have?							
			Reel 120 data also?							
161	03:26	10° 52.630 N	087° 03.871 W	121	828	820		EOT - recording system shut down by Chris to restart due to several errors		
			* STOPPED RECORDING DATA @ 03:26 *							
161	05:00	10° 47.882 N	087° 07.819 W	122	919	918		BOT 122 - START RECORDING		
							Dr. # φ @ 04:56			
161	05:15	10° 47.047 N	087° 08.559	122	938	938		EOT Error with Dr. # φ		
161	"	"	"	123	939	938		BOT 123 Dr. #1		
161	06:26	10° 43.485 N	087° 11.624	123	1010	1009		EOT 123		
161	"	"	"	124	NO TAPE		BOT 124 Dr. #1			
161	06:27	10° 43.424 N	087° 11.675 W	124	1014	1011		Dr. φ switched to Dr. #1		
161	06:30	10° 43.279 N	087° 11.784 W	125	1085	1082		Started recording Dr. #1		
161	07:41	10° 39.603 N	087° 14.883 W	125	1085	1082		EOT 125 Dr. #1		
161	"	"	"	126	1086	1083		BOT 126 Dr. #1		
161	08:01	10° 38.665 N	087° 15.782 W	126	1105	1102		EOT 126 Dr. #1		



NIC 50 H, &amp; 50

CRUISE: EW0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 25

Source:			Area: Nicaragua	Shot rate: 60 sec				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2ms				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	161	0801	10 38.665 N	087 15.782 W	127	1106	1103	BOT 127 Dr. 1
	161	0848						Trace 113 noisy acq. #150
	161	0911	10 34.989	087 18.929 W				Trace 109 113 117 121, 125, 165
	161	0913	10 34.963 N	087 18.952 W	127	1177	1174	EOT 127, Dr. 1
	161	0914				missing	128	Dr. 0 failed, no reel 128
	161	0917	10 34.744 N	087 19.144 W	129	1181	1176	Dr. 0 reactivated, on reel 129
	161	0935	10 33.835 N	087 19.937 W	129	1199	1194	Dr. 0 switched to Dr. 1, 129
	161	0935	"	"	130	1200	1195	BOT 130, Dr. 1
	161	1047	10 30.141 N	087 23.082 W	130	1271	1266	EOT 130
	161	"	"	"	131	1272	1267	BOT 131, Dr. 0
	161	1106	10 29.128 N	087 23.956 W				10, 70 acq. #1288 - noisy
	161	1107	10 29.124 N	087 24.002 W	131	1291	1286	EOT 131 Error Dr. 0
		"	"	"	132	1292	1287	BOT 132, Dr. 1
	161	1218	10° 25' 590 N	87° 27' 055 W	132	1363	1358	end tape 132 Dr. 1
	161	1218	"	"	134	1367	1360	BOT 134, reel 133 missing (do not
	161	1234	10° 21' 820 N	087° 30' 294 W	134	1438	1431	end of tape 134 (fracture)
	161	1234	"	"	135	1439	1432	start tape 135
	161	1347	10° 21.013' N	87° 30.970' W	135	1450	1443	Start End line 50H
	161	1501	10° 19.487' N	87° 32.672' W	150	1	1	start tape 150, line NIC 50
	161	1530	10° 21.036	87° 30.961' W	150	91	91	End tape 150
	161	"	"	"	151	92	92	Start tape 151 - on line 50
	161	1602	10° 22' 952 N	87° 29' 293 W	151	182	182	end tape 151
	161	"	"	"	152	183	183	Start tape 152
		1618						Shooting 205 rather than X
	161	1632	10° 24.905' N	87° 27.628' W	152	273	273	End tape 152
	161	1632	"	"	153	274	274	Start tape 153
	161	1703	10° 25' 697 N	87° 26' 055 W	153	364	364	end tape 153
	161	"	"	"	154	365	365	Start tape 154
	161	1734	10° 28' 567 N	87° 24' 474 W	154	455	455	end tape 154
	161	"	"	"	155	456	456	Start tape 155
	161	18:04	10° 30.562 N	87. 22.797 W	155	546	546	EOT 155
	161	18:04	"	"	156	547	547	BOT 156

END 50H

Start 50

NIC 50

CRUISE: ELW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 26

Source:			Area: Nicaragua	Shot rate: 60 sec				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	161	18:34	10° 32.413N	087° 21.147W	156	637	637	EOT 156
	161	18:34	"	"	157	638	638	BOT 157
	161	19:04	10° 34.220N	087° 19.602W	157	728	728	EOT 157
	161	19:04	"	"	158	729	729	BOT 158
	161	19:34	10° 36.095	087° 17.978W	158	819	819	EOT 158
	161	19:34	"	"	159	820	820	BOT 159
	161	20:05	10° 37.928	087° 16.397	159	910	910	EOT 159
	161	20:05	"	"	160	911	911	BOT 160
	161	20:35	10° 39.835N	087° 14.747	160	1001	1001	EOT 160
	161	20:35	"	"	161	1002	1002	BOT 161
	161	21:05	10° 41.696N	087° 13.142W	161	1092	1092	EOT 161
	161	21:05	"	"	162	1093	1093	BOT 162
	161	21:36	10° 43.586N	087° 11.519W	162	1183	1183	EOT 162
	161	21:36	"	"	163	1184	1184	BOT 163
	161	22:06	10° 45.441N	087° 09.901	163	1274	1274	EOT 163
	161	22:06	"	"	164	1275	1275	BOT 164
	161	22:36	10° 47.314N	087° 08.305W	164	1365	1365	EOT 164
	161	22:36	"	"	165	1366	1366	BOT 165
	161	23:06	10° 49.261N	087° 06.624W	165	1456	1456	EOT 165
	161	23:06	"	"	166	1457	1457	BOT 166
	161	23:40	10° 51.267N	087° 04.889	166	1547	1547	EOT 166
	161	23:40	"	"	167	1548	1548	BOT 167
	162	00:12	10° 53.241N	087° 03.189W	167	1639	1639	EOT 167 {first shot?
	162	"	"	"	168	1640	1639	BOT 168
	162	00:43	10° 55.129N	087° 01.545W	168	1730	1729	EOT 168
	162	"	"	"	169	1731	1730	BOT 169
	162	01:12	10° 56.939N	086° 59.984W	169	1821	1820	EOT 169
	162	"	"	"	170	1822	1821	BOT 170
	162	01:47	10° 58.838N	086° 58.345W	170	1912	1911	EOT 170
	162	"	"	"	171	1913	1912	BOT 171
	162	02:13	11° 00.796N	086° 56.639W	171	2003	2002	EOT 171
	162	"	"	"	172	2004	2003	BOT 172

NIC 50

CRUISE: EW 0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 27

Source:			Area: Nicaragua	Shot rate: 20 Sec				Channels: 240
Number of guns:		20	Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
162	162	02:43	11° 02.630 N	086° 55.074 W	172	2094	2093	EOT 172
	162	"	"	"	173	2095	2094	BOT 173 Trace # 164
	162	03:13	11° 04.445 N	086° 53.499 W	173	2185	2184	EOT 173 has cyclic
	162	"	"	"	174	2186	2185	BOT 174 noise
	162	03:44	11° 06.346 N	086° 51.865 W	174	2276	2275	EOT 174
	162	"	"	"	175	2277	2276	BOT 175
	"	04:14	11° 08.230 N	086° 50.217 W	stopped program → No shooting.			
	"	04:15	11° 08.316 N	086° 50.163 W	+ restarted to make work. Start shooting again			
	"	"	"	"	shot #s ~ 2360 to 2366? → lost ~ 2 min of shots (6 shots?)			
	162	04:18	11° 08.497 N	086° 50.000 W	175	2368	2366	EOT 175
	162	"	"	"	176	2369	2367	BOT 176
	162	04:48	11° 10.369 N	086° 48.401 W	176	2459	2457	EOT 176
	162	"	"	"	177	2460	2458	BOT 177
	162	05:18	11° 12.187 N	086° 46.817 W	177	2550	2548	EOT 177
	162	"	"	"	178	2551	2549	BOT 178
	162	05:48	11° 14.043 N	086° 45.204 W	178	2641	2639	EOT 178
	162	"	"	"	179	2642	2640	BOT 179
	162	06:18	11° 15.907 N	086° 43.605 W	179	2732	2730	EOT 179
	162	"	"	"	180	2733	2731	BOT 180
	162	06:36	11° 16.983 N	086° 42.106 W				no shooting, restarted ~ 3 min missing
	162	06:52	11° 18.013 N	086° 41.783 W	180	2824	2821	EOT 180
	162	"	"	"	181	2825	2822	BOT 181
	162	07:22	11° 19.902 N	086° 40.155 W	181	2915	2912	EOT 181
	162	"	"	"	182	2916	2913	BOT 182
	162	07:53	11° 21.796 N	086° 38.500 W	182	3006	3003	EOT 182
	162	"	"	"	183	3007	3004	BOT 183
	162	08:23	11° 23.693 N	086° 36.287 W	183	3097	3094	EOT 183
	162	"	"	"	184	3098	3095	BOT 184
	162	08:53	11° 25.562 N	086° 35.236 W	184	3188	3185	EOT 184
	162	"	"	"	185	3189	3186	BOT 185
	162	09:24	11° 27.476 N	086° 33.601 W	185	3280	3276	EOT 185
	162	"	"	"	186	3281	3277	BOT 186

MH 50 &amp; 60

CRUISE: 9W0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 28

Source:			Area: Nicaragua	Shot rate: 20/sec				Channels: 240
Number of guns:	20		Pressure: 2000 PSI	Sample rate: 2ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
162		0955	11 29.339N	086 31.979W	186	3372	3367	EOT 186
"	"	"	"	"	187	3373	3368	BOT 187
162		1025	11 31.230N	086 30.341W	187	3463	3458	EOT 187
162		"	"	"	188	3464	3459	BOT 188
162		1055	11 33.141N	086 28.684	188	3554	3349	EOT 188
162		"	"	"	189	3555	3350	BOT 189
162		1126	11 35.017N	086 27.086W	189	3645	3640	EOT 189
162		"	"	"	190	3646	3641	BOT 190
162		1143	11 36.038N	086 26.202W				Guns 1141/2 off ALL GUNS OFF
162		1155	11 36.868N	086 25.656W	190	3732	3722	END OF NIC50, EOT 190
162		1400	11 43.544N	085	192	9	1	Start line 60, BOT 192
		1428	streamer drifting → surface	- in air				→ 4.5 kts
162		1433	11° 42' 10.9 N	86° 34' 52.5 W	192	80	72	end tape 192
162		"	"	"	193	81	73	start tape 193
162		1502	11° 40' 14.4 N	86° 36' 18.5 W	193	152	144	end tape 193
162		"	"	"	194	153	145	start tape 194
162		1531	11° 38' 67.0 N	86° 37' 65.5 W	194	224	216	end tape 194
162		"	"	"	195	225	217	start tape 195
		1559	Change to 16 S f	irrig		4.86	155	4.86 kts
162		1554		86° 39' 27.3 W	195	287	288	BOT 196
162		1559	11 36.786	86° 36.786 W	196	328	300	BOT 196 16 sec
162		1628	11 35.060	86 40.801	196	390	390	end tape 196
162		"	"	"	197	391	391	Bot 197
162		1636	11 34.520	86 41.271	197	413	413	Stop shooting line 60
			Probable fishing gear caught in streamer	streamer won't go				
			down @ Bird 11					
163		00:23	11° 36.536 N	086° 25.737 W	-	-	-	OBH #1 recovered
<del>163</del>	<del>2322</del>	<del>10° 38' 41.8 N</del>	<del>084° 17' 63.5 W</del>	<del>206</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>Stop shooting line 60</del>

CRUISE: Ew 0005

NIC 54

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 29

Source:			Area: Nicaragua	Shot rate: 20 s				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
163	23	23	10° 38.318 N	087° 14.658 W	<del>200</del>	1	1	<del>EOT 200</del> start shooting line NIC 54
163	23	35	10° 38.920 N	87° 14.119 W	200	34	34	beginning of line NIC 54 (at waypoint)
163	23	54	10° 40.036 N	87° 13.139 W	200	91	91	EOT 200
163	23	54	"	"	201	92	92	BOT 201
164	00	24	10° 41.864 N	087° 11.622 W	201	182	182	EOT 201
164	"	"	"	"	202	190	190	BOT 202 label program re-start
164	00	55	10° 43.754 N	087° 09.990 W	202	273	273	EOT 202
164	"	"	"	"	203	274	274	BOT 203
164	01	25	10° 45.615 N	087° 08.355 W	203	364	364	EOT 203
164	"	"	"	"	204	365	365	BOT 204
164	01	55	10° 47.490 N	087° 06.759 W	204	455	455	EOT 204
164	"	"	"	"	205	456	456	BOT 205
164	02	26	10° 49.259 N	087° 05.213 W	205	546	546	EOT 205
164	"	"	"	"	206	547	547	BOT 206
164	02	56	10° 51.045 N	087° 03.671 W	206	637	637	EOT 206
164	"	"	"	"	207	638	638	BOT 207
164	03	26	10° 52.916 N	087° 02.078 W	207	728	728	EOT 207
164	"	"	"	"	208	729	729	BOT 208
164	03	57	10° 54.805 N	087° 00.437 W	208	819	819	EOT 208
164	"	"	"	"	209	820	820	BOT 209
164	04	16	10° 56.126 N	086° 59.299 W	209	879	879	EOT 209
164	"	"	"	"	210	880	880	BOT 210
164	04	47	10° 57.933 N	086° 57.735 W	210	970	970	EOT 210
164	"	"	"	"	211	971	971	BOT 211
164	05	17	10° 59.829 N	086° 56.095 W	211	1061	1061	EOT 211
164	"	"	"	"	212	1062	1062	BOT 212
164	05	48	11° 01.684 N	086° 54.495 W	212	1152	1152	EOT 212
164	"	"	"	"	213	1153	1153	BOT 213
164	06	17	11° 03.527 N	086° 52.910 W	213	1243	1243	EOT 213
164	"	"	"	"	214	1244	1244	BOT 214
164	06	48	11° 05.402 N	086° 51.297 W	214	1334	1334	EOT 214
164	"	"	"	"	215	1335	1335	BOT 215

CRUISE: EW 0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 30

Source:			Area: NICARAGUA	Shot rate: 205				Channels: 240
Number of guns:	20		Pressure: 200 PSI	Sample rate: 2ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
<del>164</del>	164	06:54	11.05.725 N	086.51.027 W	215	1350	1350	EOL NIC 54 - still starting + RECORDING THROUGH RUN
	164	07:18	11.07.401 N	086.51.522 W	215	1425	1425	EOT 215
	"	"	"	"	216	1426	1426	BOT 216
	164	07:24						EOT 216 STOP STARTING
	164	<del>07:32</del>	<del>11 07 330 N</del>	<del>086 52.549 W</del>	<del>217</del>			<del>Beginning line 56</del> some confusion in recording time data missed recording last 10m
	164	07:30	11 07.401 N	086 52.134 W	217			BOT 217 unsure of shot + file #
	164	07:32	11 07.330 N	086 52.549 W	217	23	1470	Beginning line 56
	164	08:00	11 05.677 N	086 53.951 W	217	100	1547	EOT 217 DR: 1
	"	"	"	"	218	101	1548	BOT 218 DR: 0
	164	08:31	11 03.812	086 55.571 W	218	191	1638	EOT 218
	"	"	"	"	219	192	1639	BOT 219
	164	09:01	11 01.887	086 57.218	219	282	1729	EOT 219
	"	"	"	"	220	283	1730	BOT 220
	164	09:31	11 00.037 N	086 58.837 W	220	373	1820	EOT 220
	"	"	"	"	221	374	1821	BOT 221
	164	10:01	10 58.197 N	087 00.397 W	221	464	1911	EOT 221
	"	"	"	"	222	465	1912	BOT 222
	164	10:31	10 56.336 N	087 02.037 W	222	555	2002	EOT 222
	"	"	"	"	223	556	2003	BOT 223
	164	10:47	10 55.354 N	087 02.865 W		6083	2052	Problem in FINE ROOM - GUNS NOT FIRING, NO PRESSURE
								Tape Drive IS RECORDING FILES, BUT GUNS NOT FIRING - NO DATA
		<del>10:57</del>						
	164	10:55	10 54.783 N	087 03.338 W	223	625	2072	GUNS BACK ON
	164	11:02	10 54.458 N	087 03.650 W	223	646	2093	EOT 223
	"	"	"	"	224	647	2094	BOT 224 -
	164	11:32	10 52.596 N	087 05.243 W	224	737	2184	EOT 224
	"	"	"	"	225	738	2185	BOT 225 -
	164	12:03	10 50.641 N	087 06.933 W	225	828	2275	EOT 225
	"	"	"	"	226	829	2276	BOT 226
	164	12:33	10 48.777 N	087 08.548 W	226	919	2366	EOT 226

Source:			Area: NICA RAG 44	Shot rate: 20 S				Channels: 240
Number of guns:	20		Pressure: 2000 PSI	Sample rate: 2 ms				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	164	1233	10° 48.777 N	087° 08' 548 W	228	920	2367	BOT 227
	164	1303	10° 46' 826 N	087° 10' 225 W	228	1010	2457	EOT 227
	164	"	"	"	228	1011	2458	BOT 228
	164	1334	10° 44.913 N	87° 11.875 W	228	1101	2548	EOT 228
	164	1334	"	"	229	1102	2549	BOT 229
	164	1404	10° 43' 111 N	87° 13' 444 W	229	1192	2639	EOT 229
	164	"	"	"	230	1193	2640	BOT 230
	164	1434	10° 41.207 N	87° 15.064 W	230	1283	2730	EOT 230
	164	1455	"	"	231	1284	2731	BOT 231
	164	1505	10° 39' 291 N	87° 16' 624 W	231	1369	2816	EOT 231 end line 56
	164	1641	10° 38.026	87° 13.494	232	1372?	1	Start line 52 BOT 232 Missed ~ 8 shots
Noisy traces			∴ 10 98	178				
	164	1709	10° 39.636 N	87° 12.095	232	1462	91	EOT 232
	164	"	"	"	233	1463	92	BOT 233
	164	1738	10° 41.484	87° 10.516	233	1553	182	EOT 233
	164	1739	"	"	234	1554	183	BOT 234
	164	1809	10° 43.358 N	87 08.895 W	234	1644	273	EOT 234
	164	1809	"	"	235	1645	274	BOT 235
	164	1839	10° 45.234 N	087 07° 266 W	235	1735	364	EOT 235
	164	1839	"	"	236	1736	365	BOT 236
	164	1909	10° 47.105 N	087.05.6496	236	1826	455	EOT 236
	164	1909	"	"	237	1827	456	BOT 237
	164	1940	10° 48.995 N	087 04.011 W	237	1917	546	EOT 237
	164	1940	"	"	238	1918	547	BOT 238
	164	2011	10° 50.928 N	087 03.336 W	238	2008	6387	EOT 238
	164	2011	"	"	239	2009	638	BOT 239
	164	2041	10° 52.798	087° 00.722 W	239	2098	728	EOT 239
	164	2041	"	"	240	2100	8729	BOT 240
	164	2111	10° 54.615 N	086 59.144 W	240	2190	819	EOT 240
	164	2111	"	"	241	2191	820	BOT 241
	164	2141	10° 56.473 N	086° 57.540 W	241	2281	910	EOT 241

CRUISE:

EW0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 32

Source:			Area: Nicaragua	Shot rate: 20 s				Channels: 240
Number of guns:	20		Pressure: 2000psi	Sample rate: 2ms				Aux. channels:
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	164	21:41	10° 56.473N	086° 57.540W	242	2282	911	BOT 242
	164	22:12	10° 58.378N	086° 55.388W	242	2372	1008	EOT 242
	164	22:12	"	"	243	2373	1002	BOT 243
	164	22:44	11° 00.343N	086° 54.201W	243	2463	1092	EOT 243
	164	22:44	"	"	244	2464	1093	BOT 244
	164	23:13	11° 02.068N	086° 52.706W	244	2554	1183	EOT 244
	164	23:13	"	"	245	2555	1184	BOT 245
	164	23:42	11° 03.982N	086° 51.034W	245	2645	1274	EOT 245
	164	23:42	"	"	246	2646	1275	BOT 246
	165	00:14	11° 05.893N	086° 49.388W	246	2736	1365	EOT 246
	165	"	"	"	247	2737	1366	BOT 247
	165	00:43	11° 07.685N	086° 47.847W	247	2828	1456	EOT 247
	165	"	"	"	248	2828	1457	BOT 248
	165	01:14	11° 09.575N	086° 46.206W	248	2918	1547	EOT 248
	165	"	"	"	249	2919	1548	BOT 249
	165	01:44	11° 11.467N	086° 44.565W	249	3009	1638	EOT 249
	165	"	"	"	250	3010	1639	BOT 250
	165	02:14	11° 13.377N	086° 42.946W	250	3100	1729	EOT 250
	165	"	"	"	251	3101	1730	BOT 251
	165	02:45	11° 15.581N	086° 43.863W	251	3190	1820	EOT 251
	165	"	"	"	252	3192	1821	BOT 252
	165	03:15	11° 17.360N	086° 45.683W	252	3282	1911	EOT 252
	165	"	"	"	253	3283	1912	BOT 253
Notes: 1) Only 18 guns during turn from NIC 52 to transit line (also called NIC 52)								
2) turn finished ~ 02:30 - after turn gun #12 still off line due to maintenance								
	165	03:35	11° 18.523N	086° 46.841W	253	3343	1972	All 20 guns on-line
	165	03:45	11° 19.096N	086° 47.421W	253	3373	2002	EOT 253
	165	"	"	"	254	3374	2003	BOT 254
	165	04:16	11° 20.845N	086° 49.216W	254	3464	2093	EOT 254
	165	"	"	"	255	3465	2094	BOT 255
	165	04:35	11° 21.971N	086° 50.352W	255	3525	2154	Errors Program labeled Begin turn to NIC 60

Start turn  
off NIC 52  
- 02:10  
Lat 11° 12.467N  
Long 86° 43.090W  
will cont.  
to call  
transit to  
NIC 60  
part of  
line  
NIC 52



NIC 52 / NIC 60

CRUISE: EW0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 33

Source:			Area: Nicaragua	Shot rate: 20 S				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	165	04:46	11° 22.394 N	086° 51.150 W	255	3555	2184	EOT 255
	165	"	"	"	256	3556	2185	BOT 256
	165	04:53	11° 22.340 N	086° 51.696 W	256	3564	2193	EOT 256
	165	04:53	11° 22.340 N	086° 51.696 W	257	1	1	BOT 257
								START LINE
	165	04:57	11° 22.163 N	086° 52.004 W	257	21	21	END OF TURN to NIC 60
	165	05:22	11° 20.675 N	086° 53.243 W	257	91	91	EOT 257
	165	"	"	"	258	92	92	BOT 258
	165	05:52	11° 18.863 N	086° 54.824 W	258	182	182	EOT 258
	165	"	"	"	259	183	183	BOT 259
	165	06:22	11 17.053 N	086 56.396 W	259	273	273	EOT 259
	165	"	"	"	260	274	274	BOT 260
	165	06:52	11 15.218 N	086 57.996 W	260	364	364	EOT 260
	165	"	"	"	261	365	365	BOT 261
	165	07:22	11 13.335 N	086 59.645 W	261	455	455	EOT 261
	165	"	"	"	262	456	456	BOT 262
	165	07:53	11 11.467 N	087 01.264 W	262	546	546	EOT 262
	165	"	"	"	263	547	547	BOT 263
	165	08:23	11 09.587 N	087 02.897 W	263	637	637	EOT 263
	165	"	"	"	264	638	638	BOT 264
	165	08:53	11 07.700 N	087 04.528 W	264	728	728	EOT 264
	165	"	"	"	265	729	729	BOT 265
	165	09:24	11 05.838 N	087 06.155 W	265	819	819	EOT 265
	165	"	"	"	266	820	820	BOT 266
	165	09:54	11 03.962 N	087 07.785 W	266	910	910	EOT 266
	165	"	"	"	267	911	911	BOT 267
	165	10:24	11 02.111 N	087 09.396 W	267	1001	1001	EOT 267
	165	"	"	"	268	1002	1002	BOT 268
	165	10:55	11 00.261 N	087 11.017 W	268	1092	1092	EOT 268
	165	"	"	"	269	1093	1093	BOT 269
	165	11:17	10 58.939 N	087 12.163 W				gun 10 out
	165	11:25	10 58.440 N	087 12.599 W	269	1183	1183	EOT 269

CRUISE: E W0005

Nic 60

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 34

Source:			Area: Nicaragua	Shot rate: 20.5				Channels: 240
Number of guns:		20	Pressure: 2070 psi	Sample rate: 2ms				Aux. channels:
Date	J:Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	165	1125	10° 58.440' N	087° 12.599' W	270	1184	1184	BOT 270, line 60
	165	1152	10° 56.744' N	087° 14.065' W				Gun 10 back on
	165	1155	10° 56.559' N	087° 14.227' W	270	1274	1274	EOT 270
	165	"	"	"	271	1275	1275	BOT 271
	165	1226	10° 54.645' N	87° 15.902' W	271	1365	1365	EOT 271
	165	1226	"	"	272	1366	1366	BOT 272
	165	1256	10° 52.798' N	87° 15.511' W	272	1456	1456	EOT 272
	165	1256	"	"	273	1457	1457	BOT 273
	165	1326	10° 50.908' N	87° 19.150' W	273	1547	1547	EOT 273 (Shot 1547.)
	165	"	"	"	274	1548	1548	BOT 274
	165	1455	10° 49.136' N	87° 20.693' W	274	1638	1638	EOT 274
	165	"	"	"	275	1639	1639	BOT 275
	165	1427	10° 47.125' N	87° 22.431' W	275	1729	1729	EOT 275
	165	"	"	"	276	1730	1730	BOT 276
	165	1434	"	"	276	1749	1749	Gun #12 off
	165	1447	"	"				Gun #12 back
	165	1458	10° 45.246' N	87° 24.075' W	276	1820	1820	EOT 276
	165	"	"	"	277	1821	1821	BOT 277
	165	1528	10° 43.441' N	87° 25.621' W	277	1911	1911	EOT 277
	165	1528	"	"	278	1912	1912	BOT 278
	165	1558	10° 41.528' N	87° 27.282' W	278	2002	2002	EOT 278
	165	1558	"	"	279	2003	2003	BOT 279
	165	1628	10° 39.616' N	87° 28.951' W	279	2093	2093	EOT 279
	165	1628	"	"	280	2094	2094	BOT 280
	165	1659	10° 37.774' N	87° 30.556' W	280	2184	2184	EOT 280
	165	1659	"	"	281	2185	2185	BOT 281
	165	1729	10° 35.908' N	87° 32.181' W	281	2275	2275	EOT 281
	165	1729	"	"	282	2276	2276	BOT 282
	165	1759	10° 34.035' N	87° 33.806' W	282	2366	2366	EOT 282
	165	1759	"	"	283	2367	2367	BOT 283
	165	1830	10° 32.218' N	87° 35.391' W	283	2457	2457	EOT 283
	165	1830	"	"	284	2458	2458	BOT 284

CRUISE: EWO005

NIC 60 &amp; NIC60C &amp; NIC70

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 35

Source:	9		Area: Nicaragua	Shot rate: 2.0 sec				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: "
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments NIC
	165	18:40	10° 31.835 N	87° 36.260 W	284	2484	2484	EOT 284, F OF LINE 60
			START	LINE NIC60C	(a connecting line between NIC 60 & NIC70 on oceanic continental shelf)			
	165	18:43	10° 31.844 N	87° 36.471 W	285	1	1	BOT 285
	165	19:13	10° 33.449	87° 38.575 W	285	91	91	EOT 285
	165	19:13	10° "	"	286	92	92	BOT 286
	165	19:43	10° 35.377 N	87° 40.446 W	286	182	182	EOT 286
	165	19:44	"	"	287	183	183	BOT 287
	165	20:14	10° 37.882 N	87° 42.452 W	287	273	273	EOT 287
	165	20:14	"	"	288	274	274	BOT 288
	165	20:44	10° 38.938 N	87° 44.453 W	288	364	364	EOT 288
	165	20:44	"	"	289	365	365	BOT 289
	165	21:03:42	10° 40.114 N	87° 45.682	289	422	422	2:00 Turn started to NIC70
			END	LINE NIC60C				
			START	LINE NIC70				
	165	21:40	10° 40.783 N	087° 45.956 W	290	1	1	290 BOT 290
	165	21:39	10° 42.384 N	087° 44.650 W	290	91	91	EOT 290
	165	21:39	"	"	291	92	92	BOT 291
	165	22:10	10° 44.094 N	087° 42.764 W	291	182	182	EOT 291
	165	22:10	"	"	292	183	183	BOT 292
	165	22:40	10° 45.923 N	087° 41.025 W	292	273	273	EOT 292
	165	22:40	"	"	293	274	274	BOT 293
	165	23:10	10° 49.775 N	087° 39.211 W	293	364	364	EOT 293
	165	23:11	"	"	294	365	365	BOT 294
	165	23:40	10° 49.477 N	087° 37.605 W	294	455	455	EOT 294
	165	23:40	"	"	295	456	456	BOT 295
	166	00:04	10° 50.854 N	087° 36.285 W	295	520	520	GUN #9 air leak - removed to repair
	166	00:11	10° 51.274 N	087° 35.828 W	295	546	546	EOT 295
	166	"	"	"	296	547	547	BOT 296
	166	00:36	10° 52.760 N	087° 34.868 W	296	617	617	GUN # back on-line
	166	00:42	10° 53.062 N	087° 34.171 W	296	637	637	EOT 296

Source:			Area: Nicaragua	Shot rate: 20 sec				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	166	00:42	10° 53.062 N	087° 34.171 W	297	638	638	BOT 297
	166	01:12	10° 54.938 N	087° 32.378 W	297	728	728	EOT 297
	166	"	"	"	298	729	729	BOT 298
	166	01:42	10° 56.622 N	087° 30.771 W	298	819	819	EOT 298
	166	"	"	"	299	820	820	BOT 299
	166	02:13	10° 58.348 N	087° 29.133 W	299	910	910	EOT 299
	166	"	"	"	300	911	911	BOT 300
	166	02:28	10° 59.236 N	087° 28.257 W	300	950	950	Have been going slow for ~1/2
	166	02:43	10° 00.069 N	087° 27.470 W	300	1001	1001	hour - informed captain + started
	—	—	END OF TAPE	300 + start of good shot interval (50m)				to increase
	166	02:43	11° 00.069 N	087° 27.470 W	301	1002	1002	BOT 301
	166	02:57	11° 00.928 N	087° 26.639 W	301	1040	1040	Lacking Gun #1 - removed for repairs
	166	03:13	11° 01.913 N	087° 25.706 W	301	1092	1092	EOT 301
	166	"	"	"	302	1093	1093	BOT 302
	166	03:44	11° 03.736 N	087° 23.952 W	302	1183	1183	EOT 302
	166	"	"	"	303	1184	1184	BOT 303 - Gun #1 back on-line,
	166	04:10	11° 05.297 N	087° 22.454 W	303	1260	1260	All 20 guns on-line
	166	04:14	11° 05.512 N	087° 22.249 W	303	1274	1274	EOT 303
	166	"	"	"	304	1275	1275	BOT 304
	166	04:44	11° 07.332 N	087° 20.519 W	304	1365	1365	EOT 304
	166	"	"	"	305	1366	1366	BOT 305
	166	05:14	11° 09.121 N	087° 18.791 W	305	1456	1456	EOT 305
	166	"	"	"	306	1457	1457	BOT 306
	166	05:45	11° 10.936 N	087° 17.086 W	306	1547	1547	EOT 306
	166	"	"	"	307	1548	1548	BOT 307
	166	06:15	11° 12.705 N	087° 15.365 W	307	1638	1638	EOT 307
	166	"	"	"	308	1639	1639	BOT 308
	166	06:45	11° 14.497 N	087° 13.640 W	308	1729	1729	EOT 308
	166	"	"	"	309	1730	1730	BOT 309
	166	07:16	11° 16.346 N	087° 11.880 W	309	1820	1820	EOT 309
	166	"	"	"	310	1821	1821	BOT 310
	166	07:46	11° 18.150 N	087° 10.166 W	310	1911	1911	EOT 310

~47-48 meters  
per shot

repairs

but  
needs  
repair  
now

CRUISE: EW0005

N 1 C 70 / 70 C  
R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 37

Source:			Area: Nicaragua	Shot rate: 20 sec				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	166	0746	11 18.150N	087 10.156W	311	1912	1912	BOT 311
	166	0816	11 19.916N	087 08.462W	311	2002	2002	EOT 311
	166	"	"	"	312	2003	2003	BOT 312
	166	0847	11 21.691N	087 06.769W	312	2093	2093	EOT 312
	166	"	"	"	313	2094	2094	BOT 313
	166	0917	11 23.473N	087 05.059W	313	2184	2184	EOT 313
	166	"	"	"	314	2185	2185	BOT 314
	166	0944	11 25.117N	087 03.48W				Gun 14 off
	166	0947	11 25.276N	087 03.335W	314	2275	2275	Gun 15 off, EOT 314
	166	"	"	"	315	2276	2276	BOT 315
	166	09:58	11 25.921N	087 02.703W	315	2306	2306	Gun 14 + 20 off
	166	10:00	"	"	"	2312	2312	Gun 20 BACK ON
	166	10:06	11 26.471N	087 02.172W	315			Gun 14 BACK ON
	166	10:08	11 26.544	087 02.112W	315	2336	2336	All guns BACK IN
	166	1018	11 27.092N	087 01.587W	315	2366	2366	EOT 315
	166	"	"	"	316	2367	2367	BOT 316
	166	1048	11 28.877N	086 59.857W	316	2457	2457	EOT 316, Guns in for turn
	166	"	"	"	317	2458	2458	BOT 317
	166	1058	11 29.513N	086 59.350W				Startup turn
	166	1059	11 29.610N	086 59.315W	317	2490	2490	Stopped shooting, EOT 317
	166	1111	11 30.566N	086 59.435W	318	1	1	BOT 318, Line 70C NO 318 all out 3 guns
	166	1141	11 32.314N	087 01.224W	319	92	91	EOT 319
	166	"	"	"	320	93	92	BOT 320
	166	1212	11° 34.054'N	87° 03.038'W	320	183	182	EOT 320
	166	1212	"	"	321	184	183	BOT 321
		1242	"	"				Guns 11 + 12 off
	166	1243	11° 35.758'N	87° 04.826'W	321	274	273	EOT 321
	166	1243	"	"	322	275	274	BOT 322
	166	1258	11° 36.586	87° 05.696	322	319	318	EOT 322 End line 70C
	166	1306	11° 36.834'N	87° 06.309'W	323	1	1	BOT 323 Start line 84
	166	1337	11° 35.423'N	87° 08.229'W	323	92	91	EOT 323
	166	"	"	"	324	93	92	BOT 324

84

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 38

Source:			Area: Nicaragua	Shot rate: 50m				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	166	1408	11° 33' 524 N	87° 10' 096 W	324	184	182	EOT 324
	166	1409	"	"	325	185	183	Bot 325
	166	1438	11° 31.840' N	87° 11.727' W	325	284	273	EOT 325
	166	1438	"	"	326	275	274	Bot 326
	166	1508	11° 30.078' N	87° 13.467' W	326	368	364	EOT 326
	166	1508	"	"	327	368	365	Bot 327
	166	1538	11° 28' 340 N	87° 15' 176 W	327	457	454	EOT 327
	166	1538	"	"	328	458	455	Bot 328
	166	1540	Compressors off		328			461 - 471 (Files)
	166	1544	Guns back		328			No gun.
	166	1610	11° 26' 504 N	87° 16' 970 W	328	549	546	EOT 328
	166	1610	"	"	329	550	547	Bot 329
	166	1640	11° 25.665	87° 18.764	329	639	636	EOT 329
	166	1640	"	"	330	640	638	Bot 330
	166	1709	11° 22.933' N	87° 20.445' W	330	732	728	EOT 330
	166	1709	"	"	331	733	729	Bot 331
	166	1739	11° 21.161' N	87° 22.179' W	331	823	819	EOT 331
	166	1739	"	"	332	824	820	Bot 332
	166	18:10	11° 19.408 N	087° 25.905 W	332	914	910	EOT 332
	166	18:10	"	"	333	915	911	Bot 333
	166	18:40	11° 17.653 N	087° 25.621 W	333	1005	1001	EOT 333
	166	18:40	"	"	334	1006	1002	Bot 334
	166	19:11	11° 15.843 N	087° 22.365 W	334	1096	1092	EOT 334
	166	19:11	"	"	335	1097	1093	Bot 335
	166	19:41	11° 14.029 N	087° 29.143 W	335	1187	1183	EOT 335
	166	19:41	"	"	336	1188	1184	Bot 336
	166	20:11	11° 12.271 N	087° 30.868	336	1278	1274	EOT 336
	166	20:11	"	"	337	1279	1275	Bot 337
	166	20:42	11° 10.439 N	087° 32.644 W	337	1369	1365	EOT 337
	166	20:42	"	"	338	1370	1366	Bot 338
	166	21:12	11° 08.716 N	087° 34.344 W	338	1460	1456	EOT 338
	166	21:12	087° 34.344 W	"	339	1461	1457	Bot 339

NIC 86

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 39

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:			Pressure: 200 psi	Sample rate: 2 m/s				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	166	21:43	11° 06.920 N	087° 36.085 W	339	1551	1547	EOT 339
	166	21:43	"	"	340	1552	1548	Bot 340
	166	22:13	11° 05.161 N	087° 37.810 W	340	1642	1638	EOT 340
	166	22:15	<del>087 37.810 W</del> "	"	341	1643	1639	Bot 341
	166	22:45	11° 03.285 N	087° 39.629 W	341	1734	1729	EOT 341
	166	22:45	"	"	342	1735	1730	Bot 342
	166	22:57	11° 02.920 N	087° 39.997 W	342	1756	1751	End of line NIC 84
	166	22:57	11° 02.549 N	087° 40.275 W	343	1	1	Bot 343 on turn to NIC 86
	166	23:26	11° 03.082 N	087° 42.303 W	343	91	91	EOT 343
	166	23:26	"	"	344	92	92	
								EOT 344
								Done at Turn
	166	23:58	11° 04.749 N	087° 41.311 W	345	1	1	Bot 345 Beginning of
	167	00:29	11° 06.445 N	087° 39.592 W	345	90	90	EOT 345
	167	"	"	"	346	92	92	Bot 346
	167	01:00	11° 08.199 N	087° 37.869 W	346	182	182	EOT 346
	167	"	"	"	347	183	183	Bot 347
	167	01:31	11° 10.005 N	087° 36.123 W	347	273	273	EOT 347
	167	"	"	"	348	274	274	Bot 348
	167	02:01	11° 11.766 N	087° 34.391 W	348	364	364	EOT 348
	167	"	"	"	349	365	365	Bot 349
	167	02:31	11° 13.562 N	087° 32.635 W	349	455	455	EOT 349
	167	"	"	"	350	456	456	Bot 350
	167	03:01	11° 15.332 N	087° 30.924 W	350	546	546	EOT 350
	167	"	"	"	351	547	547	Bot 351
	167	03:31	11° 17.128 N	087° 29.183 W	351	637	637	EOT 351
	167	"	"	"	352	638	638	Bot 352
	167	04:01	11° 18.902 N	087° 27.435 W	352	728	728	EOT 352
	167	"	"	"	353	729	729	Bot 353
	167	04:31	11° 20.675 N	087° 25.715 W	353	819	819	EOT 353
	167	"	"	"	354	820	820	Bot 354

TURN  
of  
line  
86

NIC 86/NIC82

CRUISE: EW0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 40

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	167	05:02	11° 22.449 N	087° 23.974 W	354	910	910	EOT 354
	167	"	"	"	355	911	911	BOT 355
	167	05:32	11° 24.206 N	087° 22.245 W	355	1001	1001	EOT 355
	167	"	"	"	356	1002	1002	BOT 356
	167	06:03	11 25.975 N	087 20.507 W	356	1092	1092	EOT 356
	167	"	"	"	357	1093	1093	BOT 357
	167	06:24	11 27.305 N	087 19.217 W	357			Guns didn't fire for ~2 files 1154+1155
	167	06:31	11 27.758 N	087 18.762 W	357	1183	1183	EOT 357
	167	"	"	"	358	1184	1184	BOT 358
	167	07:02	11 29.539 N	087 17.031 W	358	1274	1274	EOT 358
	167	"	"	"	359	1275	1275	BOT 359
	167	07:07	11 29.849 N	087 16.737 W	359	1291	1291	<del>End of line 86</del> EOT 359
	167	08:01	11 27.506 N	087 14.455 W	360	1	1	Begin line 82, Tape 360
	167	08:32	11 25.725 N	087 16.187 W	360	91	91	EOT 360
	167	"	"	"	361	92	92	BOT 361
	167	08:34	11 25.565 N	087 16.333 W	361			all but nine guns off, compression problems
	167	08:39	11 25.222 N	087 16.674 W	361	114	114	4 OFF, 1 OFF
	167	08:42			-	120	120	All gun ON, pressure low
					"	155	155	MISSFO STOP
					"	158	158	"
		08:55			"	160	160	" Firms at
					"	162	162	MISSFO <1800
					"	163	163	165, 168, 170, MISSFO
	167	08:58	11 24.091 N	087 17.782 W	361	174	174	1/2 GUNS OUT
		09:00			"	178	178	7 GUNS ON, pressure ~1900 lbs
	167	09:02	11 23.903 N	087 17.956 W	361	182	182	EOT 361
	"	"	"	"	362	183	183	BOT 362
		09:03						5 GUNS OUT, Firms @ ~2000 lbs
	167	09:04						1 OUT, Firms @ 2000 lbs
								GUN #9 STAYS OUT
		09:25	11 22.568 N	087 19.284 W	362	251	251	14 GUNS OUT
	167							6 Firms @ ~1990 lbs

82  
↓



Source:			Area: Nicaragua		Shot rate: 50 m			Channels: 240	
Number of guns:		20	Pressure: 2000		Sample rate: 2 ms			Aux. channels: —	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments	
	167	0932	11 22.158 N	087 19.661 W	362	273	273	EOT 362 ; all guns but two on	
	167	"	"	"	363	274	274	BOT 363 1 gun off (#9)	
		0941	11 21.637 N	087 20.187 W	363	300	300	5 guns on	
	167	0944				309	309	10 guns on	
	167	0951	11 21.014 N	087 20.798	363	331	331	17 guns on	
	167	1002	11 20.378 N	087 21.399 W	363	364	364	EOT 363	
	167	"	"	"	364	365	365	BOT 364	
	167	10:16	11. 19. 672	087 22.341	364	410	410	20 guns on	
	167	1032	11 18.64 N	087 23.148 W	364	455	455	EOT 364	
	167	"	"	"	365	456	456	BOT 365	
	167	1102	11 16.829 N	087 24.059 W	365	546	546	EOT 365	
	167	"	"	"	366	547	547	BOT 366	
	167	1132	11 15.059 N	087 26.607 W	366	637	637	EOT 366	
	167	"	"	"	367	638	638	BOT 367	
	167	1201	11° 13.274' N	87° 28.345' W	367	728	728	EOT 367	
	167	1202	"	"	368	729	729	BOT 368 Gun #6 off	
		1220						Gun #6 on	
	167	1231	11° 11.498' N	87° 30.089' W	368	819	819	EOT 368	
	167	1232	"	"	369	820	820	BOT 369	
	167	1302	11° 09' 742 N	87° 31' 789 W	369	910	910	EOT 369	
	167	"	"	"	370	911	911	BOT 370	
	167	1330	11° 07' 975 N	87° 33' 527	370	1001	1001	EOT 370	
	167	"	"	"	371	1002	1002	BOT 371	
		1342						Gun 12 is off.	
		1358						Gun 12 is back	
	167	1400	11° 06' 217 N	87° 31' 248 W	371	1092	1092	EOT 371	
	167	"	"	"	372	1093	1093	BOT 372	
check tape	167	1419	"	"	372	1151	1151	EOT 372 May be a problem	
	167	"	"	"	373	1152	1152	BOT 373	
	167	1452	11° 03.115' N	87° 38.261' W	373	1249	1242	EOT 373 Lost 7 shots?	
	167	1453	"	"	374	1250	1243	BOT 374	
	167	1523	11° 01.322' N	87° 40.004' W	374	1340	1333	EOT 374	

NIC 82

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 42

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:	20		Pressure:	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
<del>167</del>	167	1523	11° 01.322' N	87° 40.004' W	375	1341	1334	BOT 375
	167	1553	10° 59.556' N	87° 41.719' W	375	1431	1424	EOT 375
	167	"	"	"	376	1432	1425	BOT 376
	167	1624	10° 57' 788	87° 43' 472	376	1522	1515	EOT 376
	167	"	"	"	377	1523	1516	BOT 377
	167	1653	10° 56' 038	87° 45' 168	377	1613	1606	EOT 377
	167	"	"	"	378	1614	1607	BOT 378
	167	1723	10° 54.219' N	87° 46.959' W	378	1704	1698	EOT 378
	167	1723	"	"	379	1705	1698	BOT 379
	167	1753	10° 52.449' N	87° 48.675' W	379	1795	1788	EOT 379
	167	1753	"	"	380	1796	1789	BOT 380
	167	1824	10° 50.685 N	87° 50.374 W	380	1886	1879	EOT 380
	167	1824	"	"	381	1887	1880	BOT 381
	167	1854	10° 48.936 N	87° 52.102 W	381	1977	1970	EOT 381
	167	1855	"	"	382	1978	1971	BOT 382
	167	19:25	10° 47.135 N	87° 53.849 W	382	2068	2061	EOT 382
	167	19:25	"	"	383	2069	2062	BOT 383
	167	19:56	10° 45.235 N	87° 55.695 W	383	2159	2152	EOT 383
	167	19:56	"	"	384	2160	2153	BOT 384
	167	20:27	10° 43.468 N	87° 57.429 W	384	2251	2243	EOT 384
	167	20:27	"	"	385	2252	2244	BOT 385
	<del>167</del>				<del>385</del>	<del>2343</del>	<del>2334</del>	<del>EOT 385</del>
	167	20:50	10° 42.135 N	87° 58.685 W	385	2320	2312	EOT 385, end of line <sup>NIC</sup> 82

NIC 80

CRUISE: EN 0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 43

Source:			Area: NICARAGUA	Shot rate: <del>50 m</del>				Channels: 20
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	167		LINE	NIC 80 begins				streamer not straight
	167	21:41	10° 43.793 N	88° 00.508 W	386	1	1	BOT 386. (Ship ~500m off line)
	167	22:02	10° 44.662 N	88° 59.273 W	386	55	55	on line NIC 80 → 22:02
	167	22:16	10° 45.393 N	87° 58.682 W	386	91	91	EOT 386. } channel 10 (out)
	167	22:16	"	"	387	92	92	BOT 387
	167	22:51	10° 47.099 N	87° 56.887 W	387	182	182	EOT 387
	167	22:52	"	"	388	183	183	BOT 388
	167	23:22	10° 48.857 N	87° 55.160 W	388	273	273	EOT 388
	167	23:22	"	"	389	280	275	BOT 389 - 2 Taps
	167	23:54	10° 50.800 N	87° 53.281 W	390	370	365	EOT 390
	167	23:54	"	"	391	371	366	BOT 391
	168	00:24	10° 52.543 N	087° 51.558 W	391	461	456	EOT 391
	168	"	"	"	392	462	457	BOT 392
	168	00:59	10° 54.435 N	087° 49.718 W	392	552	547	EOT 392
	168	"	"	"	393	553	548	BOT 393
	168	01:24	10° 56.107 N	087° 48.109 W	393	643	638	EOT 393
	168	"	"	"	394	644	639	BOT 394
	168	01:50	10° 57.622 N	087° 46.607 W	394	724	719	Gun # 10 off-line for repairs.
	168	01:55	10° 57.971 N	087° 46.296 W	394	734	729	EOT 394 - Gun # 10 back online
	168	"	"	"	395	735	730	BOT 395
	168	02:26	10° 59.724 N	087° 44.559 W	395	825	820	EOT 395
	168	"	"	"	396	826	821	BOT 396
	168	02:56	11° 01.478 N	087° 42.848 W	396	916	911	EOT 396
	168	"	"	"	397	917	912	BOT 397
	168	03:09	"	"	396	~870	~865	Gun # 1 out since shot ~870 - electrical problem
	168	03:25	11° 03.186 N	087° 41.185 W	396	1006	1001	Gun # back on-line
	168	03:26	11° 03.288 N	087° 41.099 W	397	1007	1002	EOT 397
	168	"	"	"	398	1008	1003	BOT 398
	168	03:56	11° 04.984 N	087° 39.443 W	398	1098	1093	EOT 398
	168	"	"	"	399	1099	1094	BOT 399
	168	04:24	11° 06.823 N	087° 37.638 W	399	1089	1084	EOT 399
	168	"	"	"	400	1090	1085	BOT 400

NIC 80

CRUISE: EW0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 49

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:	20		Pressure: 2000psi	Sample rate: 2ms				Aux. channels: -
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	168	04:56	11° 08.538 N	087° 35.948 W	400	1280	1275	EOT 400
	168	"	"	"	401	1281	1276	BOT 401
	168	05:27	11° 10.319 N	087° 34.209 W	401	1371	1366	EOT 401
	168	"	"	"	402	1372	1367	BOT 402
	168	05:57	11° 12.126 N	087° 32.458 W	402	1462	1457	EOT 402
	168	"	"	"	403	1463	1458	BOT 403 1528+1529
	168	06:27	11 13.865 N	087 30.754 W	403	1553	1548	EOT 403
	168	"	"	"	404	1554	1549	BOT 404 1589 noisy all traces
	168	06:57	11 15.632 N	087 29.024 W	404	1644	1639	EOT 404
	168	"	"	"	405	1645	1640	BOT 405
	168	07:27	11 17.402 N	087 27.296 W	405	1735	1730	EOT 405
	168	"	"	"	406	1736	1731	BOT 406
	168	07:58	11 19.183 N	087 25.558 W	406	1826	1821	EOT 406
	168	"	"	"	407	1827	1822	BOT 407
	168	08:28	11 20.970 N	087 23.805 W	407	1917	1912	EOT 407
	168	"	"	"	408	1918	1913	BOT 408
	168	08:58	11 22.747 N	087 22.089 W	408	2008	2003	EOT 408
	168	"	"	"	409	2009	2004	BOT 409
	168	09:29	11 24.58 N	087 20.346 W	409	2099	2094	EOT 409
	168	"	"	"	410	2099	2095	BOT 410
	168	09:59	11 26.295 N	087 18.607 W	410	2190	2185	EOT 410
	168	"	"	"	411	2191	2186	BOT 411
	168	10:29	11 28.070 N	087 16.866 W	411	2281	2276	EOT 411
	168	"	"	"	412	2282	2277	BOT 412
	168	10:59	11 29.848 N	087 15.132 W	412	2372	2367	EOT 412
	168	"	"	"	413	2373	2368	BOT 413 Dr. failed, no 413
	168	11:02	11 30.011 N	087 14.975 W	414	2380	2370	Missing shots 2373-2380 79
	168	11:16	11 30.863 N	087 14.144 W	414	2423	2413	Gun #7 OFF
	168	11:32	11 31.770 N	087 13.245 W	414	2470	2460	EOT 414
	168	"	"	"	415	2471	2461	BOT 415
	168	12:02	11° 33.558 N	87° 11.492 W	415	2561	2551	EOT 415
	168	12:03	"	"	416	2562	2552	BOT 416

very noisy  
shots  
all traces1589 noisy  
all traces

NIC 80

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 45

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:			Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	168	1232	11° 35' 35.5	87° 09' 7.50 W	416	2652	2642	EOT 416
	168	"	"	"	417	2653	2643	BOT 417
	168	1301	11° 37' 11.0' N	87° 08' 02.0' W	417	2643	2633	EOT 417
	168	1302	"	"	418	2644	2634	BOT 418
	168	1331	11° 38' 8.46	87° 06' 33.7	418	2834	2824	EOT 418
	168	1331	"	"	419	2835	2825	BOT 419
	168	1400	11° 40' 6.73' N	87° 04' 55.1' W	419	2925	2915	EOT 419
	168	1401	"	"	420	2926	2916	BOT 420
		1406					2931	Gun #7 back on
		1427.19						Guns off - and 16 s recording
	168	1430						
		1431			Gun on			Start 20 s recording
		1431			421	3005	3004	BOT 421 { 1 shot only
		1432			421	3005	3004	EOT 421
		1434	11° 42' 48.8	87° 02' 7.5	422	3006	3005	BOT 422 Closest bird at
168	1500		11° 43' 76.9' N	87° 01' 57.5' W	422	3077	3076	EOL 422 15 m depth
168	1500		"	"	423	3078	3077	DOL 423
168	1529		11° 45' 17.0' N	87° 00' 13.6' W	423	3149	3148	EOT 423
	1529		"	"	424	3150	3149	BOT 424
	1530				424	3150	3149	EOT 424
					425	3157	3150	BOT 425 DR
168	1601		11° 46' 7.27	86° 58' 6.14	425	3228	3221	EOT 425
	"		"	"	426	3229	3222	BOT 426 DR 1 Gun #9 off
168	1630		11° 48' 13.6' N	86° 57' 22.7' W	426	3300	3293	EOT 426
168	1631		"	"	427	3301	3394	BOT 427 DR
	1635							Gun #9 on
168	1659		11° 49' 53.9' N	86° 55' 8.58' W	427	3372	3365	EOT 427
168	"		"	"	428	3373	3366	BOT 428 DR 1
168	1729		11° 50' 9.38' N	86° 54' 4.89' W	428	3444	3437	BOT 428
168	1729		"	"	429	3445	3438	BOT 429 DR
168	1758		11° 52' 35.4' N	86° 53' 0.99' W	429	3506	3509	EOT 429 DR
168	1758		"	"	430	3517	3510	BOT 430 DR 1

Record length

16 sec

20 sec

NIC 80 record length = 16 sec.

NIC 80 / NIC 80C

CRUISE: EW0005

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 46

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:			Pressure: 200 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	168	18:28	11 53.752 N	086 51.745 W	430	3588	3581	EOT 430 Dr 1
	168	18:28	"	"	431	3589	3582	BOT 430 Dr 0
	168	18:58	11 55.171	086 50.346 W	431	3660	3653	EOT 431 Dr 0
	168	18:58	"	"	432	3661	3654	BOT 432 Dr 1
NIC 80	168	19:10	11° 55.901	86 49.763	432	3691?	3684	EOT 432 Dr 1
	168	19:12	"	"	433	1	1	BOT 433 Dr 0
	168	19:41	11 57.641 N	086 50.420 W	433	72	72	EOT 433 Dr 0
	168	19:41	"	"	434	73	73	BOT 434 Dr 1
	168	20:11	11° 59.392 N	086° 51.319 W	434	144	144	EOT 434 Dr 1
	168	20:11	"	"	435	145	145	BOT 435
	168	20:41	12° 01.126 N	086° 52.243 W	435	216	216	EOT 435
	168	20:41	"	"	436	217	217	BOT 436
	168	20:04	12 02.862 N	086° 53.144 W	436	288	288	EOT 436 Dr 1
	168	20:09	"	"	437	289	289	BOT 437 Dr 0
	168	21:38	12° 04.604	086° 54.062	437	360	360	EOT 437 Dr 0
	168	21:38	"	"	438	361	361	BOT 438 Dr 1
	168	22:08	12° 06.273 N	086° 54.969 W	438	432	432	EOT 438 Dr 1
	168	22:08	"	"	439	433	433	BOT 439 Dr 0
	168	22:36	12° 08.026 N	086° 55.910 W	439	504	504	EOT 439 Dr 0
	168	22:36	"	"	440	505	505	BOT 440 Dr 1
	168	23:06	12° 9.782 N	086° 56.900 W	440	576	576	EOT 440 Dr 1
	168	23:06	"	"	441	577	577	BOT 441 Dr 0
	168	23:34	12 11.530	086° 57.696 W	441	648	648	EOT 441 Dr 0
	168	23:34	"	"	442	649	649	BOT 442 Dr 1
	168	00:04	12° 13.280 N	086° 58.603 W	442	720	720	EOT 442 Dr 1
	169	"	"	"	443	721	721	BOT 443 Dr 0
	169	00:33	12° 14.933 N	086° 59.646 W	443	792	792	EOT 443 Dr 0
	169	"	"	"	444	793	793	BOT 444 Dr 1
	<del>169</del>	<del>00:02</del>	<del>12° 16.634 N</del>	<del>087° 00.672 W</del>	<del>444</del>	<del>864</del>	<del>864</del>	<del>EOT 444 Dr 1</del>
	169	"	"	"	445	865	865	BOT 445 Dr 0
	169	01:31	12° 18.010 N	087 01.884	445	936	936	EOT 445

EO Line NIC 80

↓  
Record  
length  
= 20 sec

Line  
80C

CRUISE: EWOOD 5

NIC90

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 47

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:		20	Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	169	01:36	12° 17.985 N	087° 02.250 W	446	1	1	BOT 446 - Start Line NIC90
	169	01:45	12° 17.783 N	087° 02.688 W	446	20	20	Finish turn - on Line NIC90
	169	02:06	12° 16.592 N	087° 03.601 W	446	74	72	EOT 446 Dr. 1 (2 shots lost)
	169	"	"	"	447	75	73	BOT 447 Dr. 1
	169	02:37	12° 14.927 N	087° 04.858 W	447	151	144	EOT 447 (4 shots lost)
	169	"	"	"	448	152	145	BOT 448 Dr. 1 (tape change)
	169	03:06	12° 13.364 N	087° 06.077 W	448	223	216	EOT 448
	169	"	"	"	449	224	217	BOT 449 Dr. 1
	169	03:35	12° 11.826 N	087° 07.271 W	449	295	288	EOT 449
	169	"	"	"	450	296	289	BOT 450 Dr. 1
	169	04:06	12° 10.115 N	087° 08.561 W	450	367	360	EOT 450
	169	"	"	"	451	368	361	BOT 451 Dr. 1
	169	04:36	12° 08.660 N	087° 09.703 W	451	439	432	EOT 451
	169	"	"	"	452	440	433	BOT 452 Dr. 1
	169	05:00	—	—	452	504	497	Abnormal Noise on Trace Display + Moray screen
	169	05:05	12° 07.153 N	087° 10.836 W	452	511	504	EOT 452
	169	"	"	"	453	512	505	BOT 453
	169	05:35	12° 05.494 N	087° 12.123 W	453	583	576	EOT 453 Dr. 1
	169	"	"	"	454	584	577	BOT 454 Dr. 1
	169	06:05	12° 03.909 N	087° 13.322 W	454	655	648	EOT 454
	169	"	"	"	455	656	649	BOT 455 Dr. 1
	169	06:33	12° 02.435 N	087° 14.462 W	455	727	720	EOT 455
	169	"	"	"	456	728	721	BOT 456
		~6:39				743	736	streamer ~ streamer
		↓				↓	↓	Noisy Hypocenter in Data Fixed
								ONLINE TRACES
		0654	12° 01.266 N	087° 15.359 W	456	777	771	Gun #13 NOT FIRMS
		0656			456	782	775	Noise now 'LINFN'
	169	0702	12° 00.878 N	087° 15.656 W	456	799	792	EOT 456
	169	"	"	"	457	800	793	BOT 457
	169	0709				813	806	Gun #13 WORKING, JUST #11, 12 OUT
	169	0732	11° 59.317 N	087° 16.851 W	457	871	864	EOT 457

Record length

= 20 sec.



N1C90

CRUISE: EW 0805

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 48

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:		20	Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	169	0732	11 59.317N	087 16.851W	458	872	865	Bot 458
		0743				898	891	Orange signal still inside not cleared any more masked by rest of traces
	169	0801	11 57.753N	087 18.052 W	458	943	936	EOT 458
	169	"	"	"	459	944-945	937-938	Reel 459
	169	0807	11 57.430N	087 18.304W	460	953	946	Bot 460
	169	0817	11 56.801 N	087 18.748 W	460	983	976	Gun 12 in + 5000ms, only #11 out
	169	0836	11 55.542N	087 19.749W	460	1044?	1037?	EOT 460 7 off by 1, didn't increment
	169	"	"	"	461	1044?	1037?	Bot 461 prob. should be 1043+1038
	169	0907	11 53.528N	087 21.296W	461	1134	1127	EOT 461
	169	"	"	"	462	1135	1128	Bot 462
	169	0936	11 51.410N	087 22.772W	462	1225	1218	EOT 462
	169	"	"	"	463	1226	1219	Bot 463
	169	1006	11 49.644N	087 24.272W	463	1310	1309	EOT 463
	169	"	"	"	464	1317	1310	Bot 464
	169	1037	11 47.668N	087 25.782W	464	1407	1400	EOT 464
	169	"	"	"	465	1408	1401	Bot 465
	169	1108	11 45.712N	087 27.307W	465	1498	1491	EOT 465
	169	"	"	"	466	1499	1492	Bot 466
	169	1139	11 43.730N	087 28.809W	466	1589	1582	EOT 466
	169	"	"	"	467	1590	1583	Bot 467
	169	1210	11° 41.763'N	87° 30.325'W	467	1680	1673	EOT 467 Dr 1
	169	1210	"	"	468	1681	1674	Bot 468 Dr 0
	169	1240	11°	87°	468	1771	1764	EOT 468 Dr 0
	169	"	"	"	469	1772	1765	Bot 469 Dr 1
	169	1311	11° 37.836'N	87° 33.329'W	469	1862	1855	EOT 469 Dr 1
	169	"	"	"	470	1863	1856	Bot 469 Dr 0
	169	1342	11° 35' 808N	87° 34.891W	470	1953	1946	EOT 470 Dr 0
	169	"	"	"	471	1954	1947	Bot 471 Dr 1
	169	1414	11° 33' 848N	87° 36' 402W	471	2044	2037	EOT 471 Dr 1
	169	"	"	"	472	2045	2038	Bot 472 Dr 0
	169	1434	"	"	472		2101	Gun # 3 off
	169	1443	11° 38.918'N	87° 37.851'W	472	2135	2128	EOT 472 Dr 0



NIC 90/90C

CRUISE:

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 49

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:		20	Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	169	1444	11° 31.918' N	87° 37.851' W	473	2136	2129	BOT 473 Dr 1
		1453						Gun # 3 m
	169	1514	11° 29.957' N	87° 39.365' W	473	2226	2219	EOT 473 Dr 1
	169	1515	"	"	474	2227	2220	BOT 474 Dr 0
	169	1545	11° 27.949' N	87° 40.901' W	474	2318	2310	EOT 474 Dr 0
	169	"	"	"	475	2319	2311	BOT 475 Dr 1
	169	1617	11° 26.008' N	87° 42.406' W	475	2409	2401	EOT 475 Dr 1
	169	1617	"	"	476	2410	2402	BOT 476 Dr 0
	169	1649	11° 24.023' N	87° 43.919' W	476	2500	2492	EOT 476 Dr 0
	169	1650	"	"	477	2501	2493	BOT 477 Dr 1
	169	1722	11° 22' 09.6" N	87° 45' 48.9" W	477	2591	2583	EOT 477 Dr 1
	169	1722	"	"	478	2592	2584	BOT 478 Dr 0
	169	1755	11° 20.083' N	87° 46.916' W	478	2682	2674	EOT 478 Dr 0
	169	1756	"	"	479	2683	2675	BOT 479 Dr 1
	169	18:28	11° 18.158' N	87° 48.396' W	479	2723	2765	EOT 479 Dr 1
	169	18:28	"	"	480	2774	2766	BOT 480 Dr 0
	169	19:08	11° 16.185' N	87° 49.912' W	480	2864	2856	EOT 480 Dr 0
	169	19:01	"	"	481	2865	2857	BOT 481 Dr 1
	169	19:35	11° 14.111' N	87° 51.503' W	481	2955	2947	EOT 481 Dr 1
	169	19:35	"	"	482	2956	2948	BOT 482 Dr 0
	169	19:48	11° 13.257' N	87° 52.552' W	482	2992	2984	EOT 482 Dr 1
	169	19:52	11° 13.192' N	87° 52.450' W	483	3000	3000	BOT 483 STMT NIC 90C
	169							BIRDS TO 12 m
	169	20:23	11° 14.267' N	087° 54.610' W	483	3090	3090	EOT 483 Dr 0
	169	20:23	"	"	484	3091	3091	BOT 484 Dr 0
					484			EOT 484 Ejedul
	169	20:24	"	"	485	3100	3104	BOT 485 Dr 0
	169	20:55	11° 15.672' N	087° 56.805' W	485	3188	3182	EOT 485 Dr 0
	169	20:55	"	"	486		3183	BOT 486 Dr 1
	196	20:57	"	"	487	3196	3190	BOT 487 Dr 0
	196	21:27	11° 17.130' N	087° 59.128' W	487	3286	3280	EOT 487 Dr 0

- 2 Tapes  
Ejedul

←

EOL 90  
→

NIC 90 C / NIC 100

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 50

Source:			Area: Nicaragua	Shot rate: 50m				Channels: 240
Number of guns:	20		Pressure: 2000psi	Sample rate: 2ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	169	21:27	11° 12.130 N	087.59.128 W	488	3287	3281	BOT 488 Dr. 1
	169	21:56	11° 18.457 N	088 01.238 W	488	3377	3371	EOT 488 Dr. 1
	169	21:56	"	"	489	3328	3372	BOT 489 Dr. 1
	169	22:26	11° 19.745 N	088 03.291 W	489	3468	3462	EOT 489 Dr. 1
	169	22:26	"	"	490	3469	3463	BOT 490 Dr. 1
	169	22:55	11° 21.083 N	088 05.438 W	490	3559	3553	EOT 490 Dr. 1
	169	22:55	"	"	491	3560	3554	BOT 491 Dr. 1
	169	23:26	11° 22.432 N	088° 07.592 W	491	3650	3644	EOT 491 Dr. 1
	169	23:26	"	"	492	3651	3645	BOT 492 Dr. 1
	169	23:53	11° 23.652 N	088° 09.552 W	492	3738	3732	Gun #10 off-line for first repair
	169	23:55	11° 23.736 N	088° 09.684 W	492	3741	3735	EOT 492 Dr. 1
	169	"	"	"	493	3742	3736	BOT 493 Dr. 1
	170	00:09	11° 24.385 N	088° 10.677 W	493	3785	3779	Gun #9 off-line for turn
	170	00:24	11° 25.153 N	088° 11.489 W	-	-	-	stop shooting
			END LINE	NIC 90 C				Gun #2 not working
	170	00:25	11° 25.404 N	088° 11.588 W	494	1	1	START LINE NIC 100
	170	00:46	11° 26.920 N	088° 11.131 W	494	63	63	Gun #8 out - will pull Gans #3 & 4 out
	170	00:56	11° 27.434 N	088° 10.502 W	494	91	91	to recover #2 (still turning)
								EOT 494 Dr. 1
	170	"	"	"	495	92	92	BOT 495 Dr. 1
	170	01:21	11° 29.044 N	088° 09.384 W	495	~160	~160	All guns on-line except #9 +10
		01:28	11° 29.493 N	088° 09.021 W	495	184	182	EOT 495 Dr. 1
	170	"	"	"	496	185	183	BOT 496 Dr. 1
	170	01:59	11° 31.477 N	088° 07.623 W	496	275	273	EOT 496 Dr. 1
	170	"	"	"	497	276	274	BOT 497 Dr. 1
	170	02:33	11° 33.507 N	088° 06.206 W	497	366	364	EOT 497 Dr. 1
	170	"	"	"	498	367	365	BOT 498 Dr. 1
	170	03:05	11° 35.521 N	088° 04.777 W	498	457	455	EOT 498 Dr. 1
	170	"	"	"	499	462	460	BOT 499
		03:23	11° 36.626 N	088° 03.990 W	"	"	"	Stop fire
		03:28	11° 36.968 N	088° 03.767 W	"	"	"	Start shooting again

Exact stop time = 03:21:10.348  
StopExact start time = 03:27:56.155 → Seismic Program Crashed  
Jeff restarted itRecord  
Length  
= 16sec

EOL 90C

start by  
turn  
to NIC 100(still  
turning)  
3 & 4 out

+10

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:		20	Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: —
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	170	03:45	11° 38.029 N	088° 03.031 W	499	548	546	still shooting with 18 guns
	170	"	"	"	500	549	547	→ EOT 499
								BOT 500
	170	04:17	11° 39.986 N	088° 01.661 W	500	639	637	EOT 500 Dr. 1
	170	"	"	"	501	640	638	BOT 501 Dr. 1
	170	04:50	11° 42.000 N	088° 00.235 W	501	730	728	EOT 501 Dr. 1
	170	"	"	"	502	731	729	BOT 502 Dr. 1
		05:02	11° 42.811 N	087° 59.684 W	"	765		Guns #9 on line
	170	05:23	11° 44.066 N	087° 58.806 W	502	821	819	EOT 502 Dr. 1
	170	05:23	"	"	503	822	820	BOT 503 Dr. 1
	170	05:57	11° 46.071 N	087° 57.410	503	912	910	EOT 503 Dr. 1
	170	"	"	"	504	913	911	BOT 504 Dr. 1
	170	06:29	11 48.105 N	087 55.986 W	504	1003	1001	EOT 504
	170	"	"	"	505	1004	1002	BOT 505
	170	07:02	11 50.144 N	087 54.586 W	505	1094	1092	EOT 505
	170	"	"	"	506	1096	1093	BOT 506
	170	07:35	11 52.194 N	087 53.118 W	506	1185	1183	EOT 506
	170	"	"	"	507	1187	1184	BOT 507
	170	08:08	11 54.220 N	087 51.702 W	507	1277	1274	EOT 507
	170	"	"	"	508	1278	1275	BOT 508
	170	08:41	11 56.267 N	087 50.069 W	508	1368	1365	EOT 508
	170	"	"	"	509	1369	1366	BOT 509
	170	09:14	11 58.329 N	087 48.878 W	509	1459	1456	EOT 509
	170	"	"	"	510	1460	1457	BOT 510
	170	09:47	12 00.329 N	087 47.427 W	510	1550	1547	EOT 510
	170	"	"	"	511	1551	1548	BOT 511
	170	10:20	12 02.371 N	087 45.998 W	511	1641	1638	EOT 511
	170	"	"	"	512	1642	1639	BOT 512
	170	10:51	12 04.390 N	087 44.583 W	512	1732	1729	EOT 512
	170	"	"	"	513	1733	1730	BOT 513
	170	11:23	12 06.413 N	087 43.174 W	513	1823	1820	EOT 513
	170	"	"	"	514	1824	1821	BOT 514

NIC 100

CRUISE:

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 52

Source:	EW0005	Area:	Nicaragua	Shot rate:	50m			Channels:	240
Number of guns:	20	Pressure:	2000 psi	Sample rate:	2ms			Aux. channels:	—
Date	J.Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments	
	170	1128	12° 06.740'N	87° 42.236'W	514	1839	1836	Gun 11 ok	
	170	1155	12° 08.443'N	87° 41.747'W	514	1914	1911	EOT 514	
	170	"	"	"	515	1915	1912	BOT 515 Dr 0	
	170	1228	12° 10.486'N	87° 40.317'W	515	2005	2002	EOT 515 Dr 0	
	170	"	"	"	516	2006	2003	BOT 516 Dr 1	
		1254						Start to slow to 4 kts	
		1257						Gun #10 going on	
	170	1302	12° 12.494'N	87° 38.919'W	516	2096	2093	EOT 516 Dr 1	
	170	"	"	"	517	2097	2094	BOT 517 Dr 0	
		1304					2100	Stop shooting	
	170	1312	12° 13.256'N	87° 38.394'W	2110	2110	2110	Start shooting	
		1338						Gun 9 off	
	170	1342	12° 14' 66"N	87° 37' 40.6"W	2110	2181	72	EOT 2110 Dr 1	
	170	"	"	"	2111	2182	73	BOT 2111 Dr 0	
	170	1411	12° 16.298'N	87° 36.260'W	2111	2253	144	EOT 2111 Gun 9 on Dr 0	
	170	1411	"	"	2112	2254	145	BOT 2112 Dr 1	
	170	1411	"	"	2112	2255	146	EOT 2112 Dr 1	
		1412	"	"	2113	2256	147	BOT 2113 Dr 0	
	170	1443	12°	87°	2113	2331	218	EOT 2113 Dr 0	
	170	"	"	"	2114	2332	219	BOT 2114 Dr 1	
	<del>170</del>	<del>1500</del>	<del>12° 18.948'N</del>	<del>87° 34.462'W</del>	<del>2114</del>			<del>EOT 2114 Dr 1</del>	
	170	1512	12° 19' 68.5"N	87° 32' 88.5"W	2114	2403	290	EOT 2114	
	170	"	"	"	2115	2404	291	BOT 2115	
	170	1541	12° 21.271'N	87° 32.762'W	2115	2476	362	BOT 2115 Dr 0	
	170	1542	"	"	2116	2477	363	BOT 2116 Dr 1	
	170	1611	12° 22' 84.7"N	87° 31' 64.6"W	2116	2549	434	EOT 2116 Dr 1	
	170	1611	"	"	2117	2550	435	BOT 2117 Dr 0	
	170	1640	12° 24' 49.9"N	87° 30' 50.9"W	2117	2621	506	EOT 2117 Dr 0	
	170	"	"	"	2118	2622	507	BOT 2118 Dr 1	
	170	1642	"	"	2118	2622	507	EOT 2118 Dr 1	
	170	1642	"	"	2119	2628	516	BOT 2119 Dr 1	
	170	1713	12° 26.276'N	87° 29.265'W	2119	2699	579	EOT 2119 Dr 1	

20 sec  
Recording

EOT 517 Dr 0

DR 1

EOT 517 Dr 0

(missed  
10 shots)

NIC 100

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 83

Source:			Area: Nicaragua	Shot rate:	50 m			Channels:	240
Number of guns:	20		Pressure: 2000 psi	Sample rate:	2 ms			Aux. channels:	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments	
	170	1713	12° 26.276' N	87° 29.265' W	2120	2700	580	BOT 2120 Dr φ	
	170	1742	12° 27.885' N	87° 28.133' W	2120	2771	651	BOT 2120 Dr φ	
	170				2121	2772	652	BOT 2121 Dr 1	
			Drive 1 is gagging		2121	2772	652	EOT 2121 Dr 1	
					2122	2777	653	BOT 2122 Dr 1	
					2122	2777	653	EOT 2122 Dr φ	
	170	1747			2123	2778	654	BOT 2123 Dr φ	
		1755	Problems w/ Tape Drive 1						
	170	18:15	12° 29.502' N	87° 26.921' W	2123	2849	725	EOT 2123 Dr φ	
	170	18:15	"	"	2124	2850	726	BOT 2124 Dr 1	
	170	18:44	12° 31.196' N	87° 25.820' W	2124	2921	797	EOT 2124 Dr 1	
	170	18:44	"	"	2125	2922	798	BOT 2125 Dr φ	
			Drive φ Coagulated						
	170	18:47	12° 31.399' N	087° 25.655' W	2126			BOT 2126 Dr φ	
			Gagged		2127		801		
	170	18:50	12° 31.721' N	087° 25.434' W	2128	2934	801	BOT 2128 Dr φ	
	170	19:17	12° 33.055' N	087° 24.506' W	2128	3005	872	EOT 2128 Dr φ	
	170	19:17	"	"	2129	3006	873	BOT 2129 Dr 1	
	170	19:31	12° 33.877' N	087° 23.928' W	2129	3038	905	EOT line NIC 100	
			STOP Shooting						
NIC 100 c	170	20:35	12° 36.815' N	087° 27.447' W	2140	1	1	BOT 2140 NIC 100 c	
	170	21:06	12° 38.057' N	087° 29.553' W	2140	91	91	EOT 2140 NIC 100 c	
	170	21:06	"	"	2141	92	92	BOT 2141 Dr φ	
	170	21:36	12° 39.361' N	087° 31.751' W	2141	182	182	EOT 2141 Dr φ	
	170	21:36	"	"	2142	183	183	BOT 2142	
	170	22:06	12° 40.647' N	087° 33.923' W	2142	274	273	EOT 2142	
	170	22:06	"	"	2143	275	274	BOT 2143	
	170	22:37	12° 41.898' N	087° 36.055' W	2143	365	364	EOT 2143	
	170	22:37	"	"	2144	366	365	BOT 2144	
	170	23:40	12° 43.180' N	87° 38.214' W	2144	456	455	EOT 2144	
	170	23:40	"	"	2145	457	456	BOT 2145	

2125  
2126  
2127  
Gagged

Begin NIC 100 c

Pr 1  
Dr 1

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 54

Source:	Air gun		Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:	20		Pressure: 2050 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	170	23:40	12° 44.440	087° 40.447	2145	547	546	EOT 2145 - Dr. #0
	170	23:40	"	"	2146	548	547	BOT 2146 - Dr. #1
	171	00:03	12° 45.357 N	087° 42.027	"	617.	616	Start turn to NLC 110
	171	00:11	12° 45.461 N	087° 42.735 W	2146	638	637	End of line NLC100c - Dr. #
	171	00:14	12° 45.396 N	087° 42.923 W	2147	1	1	Start turning NLC 110
	171	00:24	12° 44.971 N	087° 43.470 W	2147	1	1	START SHOOTING to NLC 110
	171	00:33	12° 44.485 N	087° 43.756 W	2147	23	23	End of turn - still only 18 guns
	171	00:55	12° 43.198 N	087° 44.485 W	2147	72	72	EOT 2147 Dr. #
	171	"	"	"	2148	73	73	BOT 2148 Dr. #
	171	01:23	12° 41.503 N	087° 45.395	2148	144	144	EOT 2148 Dr. #
	171	"	"	"	2149	145	145	BOT 2149 Dr. #
	171	01:52	12° 39.803 N	087° 46.299 W	2149	216	216	EOT 2149 Dr. #
	171	"	"	"	2150	217	217	BOT 2150 Dr. #
	171	02:23	12° 37.985 N	087° 47.264 W	2150	288	288	EOT 2150 Dr. #
	171	"	"	"	2151	289	289	BOT 2151 Dr. #
	171	02:52	12° 36.316 N	087° 48.165 W	2151	360	360	EOT 2151 Dr. #
	171	"	"	"	2152	361	361	BOT 2152 Dr. #
	171	03:20	12° 34.619 N	087° 49.048 W	2152	432	432	EOT 2152 Dr. #
	171	"	"	"	2153	433	433	BOT 2153 Dr. #
	171	03:51	12° 32.821 N	087° 50.019 W	2153	504	504	EOT 2153 Dr. #
	171	"	"	"	2154	505	505	BOT 2154 Dr. #
	171	03:55	12° 32.574 N	087° 50.14 W	2154	579	579	Gun #6 not firing - to be fixed - back out for a while?
	171	04:07	12° 31.854 N	087° 50.513 W	2154	546	546	Gun #7 not " "
	171	04:20	12° 31.096 N	087° 50.919 W	2154	576	576	EOT 2154 Dr. #
	171	"	"	"	2155	577	577	BOT 2155 Dr. #
	171	04:49	12° 29.361 N	087° 51.859 W	2155	648	648	EOT 2155 Dr. #
	171	"	"	"	2156	649	649	BOT 2156 Dr. #
	171	05:10	12° 27.649 N	087° 52.773	"	720	720	Guns #6 and #7 on line
	171	05:18	"	"	2156	720	720	EOT 2156 Dr. #
	171	"	"	"	2157	721	721	BOT 2157 Dr. #
	171	05:47	12° 25.932 N	087° 53.682 W	2157	792	792	EOT 2157 " "
	171	"	"	"	2158	793	793	BOT 2158 Dr. #

Record length = 16 sec.

Record length = 20 sec.

CRUISE: EW 0005

NC 110

RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 55

Source:	Air Gun		Area:	NICARAGUA		Shot rate:	50 m					Channels:	240	
Number of guns:	20		Pressure:	2000 PSI		Sample rate:	2 ms					Aux. channels:		
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments						
171	171	0617	12 24.223 N	087 54.589 W	2158	864	864	EOT 2158	Dr 1					
	171	"	"	"	2159	865	865	BOT 2159	Dr 0					
	171	0630	12 23.462 N	087 54.998 W	2159	890	890	Noise on new traces						
	171	0646	12 22.490 N	087 55.507 W	2159	936	936	EOT 2159	Dr 0					
	171	"	"	"	2160	937	937	BOT 2160	Dr 1					
	171	0714	12 20.759 N	087 56.429 W	2160	1008	1008	EOT 2160	Dr 1					
	171	"	"	"	2161	1009	1009	BOT 2161	Dr 0					
	171	0744	12 19.009 N	087 57.350 W	2161	1081	1080	EOT 2161	Dr 0					
	171	"	"	"	2162	1082	1081	BOT 2162	Dr 1					
	171	0813	12 17.281 N	087 58.269 W	2162	1153	1152	EOT 2162	Dr 1					
	171	"	"	"	2163	1154	1153	BOT 2163	Dr 4					
	171	0818			2163			Gun 9 out						
	171	0829			2163			Gun 9 on, Gun 6 out						
	171	0832			2163			Gun 7 out						
	171	0842	12 15.543 N	087 59.192 W	2163	1225	1224	EOT 2163	Dr 0					
	171	0847	12 15.292 N	087 59.328 W	2164	1235	1234	BOT 2164	Dr 0					
	171	0850	12 15.106 N	087 59.420 W	2164			Gun 5 on						
	171	0921	12 13.109 N	088 00.499 W	2164	1325	1324	EOT 2164						
	171	"	"	"	2165	1326	1325	BOT 2165						
	171	0939						Gun 7 out						
	171	0947						Gun 7 on						
	171	0954	12 10.913 N	088 01.647 W	2165	1416	1415	EOT 2165						
	171	"	"	"	2166	1417	1416	BOT 2166						
	171	1013						Gun 6 on						
	171	1027	12 08.727 N	088 02.818 W	2166	1507	1506	EOT 2166						
	171	"	"	"	2167	1508	1507	BOT 2167						
	171	1059	12 06.538 N	088 03.988 W	2167	1598	1597	EOT 2167						
	171	"	"	"	2168	1599	1598	BOT 2168						
	171	1132	12 04.837 N	088 05.143 W	2168	1689	1688	EOT 2168						
	171	"	"	"	2169	1690	1689	BOT 2169	Dr 1					
	171	1204	12 02.150 N	88 06.312 W	2169	1780	1779	EOT 2169	Dr 2					
	171	1205	"	"	2170	1781	1780	BOT 2170	Dr 0					

CRUISE: EW0005

NIC 110  
R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 56

Source:	A/G		Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
Jun 19	171	1214						Gun # 9 off-air leak
	171	1237	11° 59.964' N	88° 07.464' W	2170	1871	1870	EOT 2170 Dr 0
	171	1238	"	"	2171	1872	1871	Bot 2171 Dr 1
	171	1310	11° 57.773' N	88° 08.633' W	2171	1962	1961	EOT 2171 Dr 1
	171	1310	"	"	2172	1963	1962	Bot 2172 Dr 0
	171	1344	11° 55.508' N	88° 09' 844" W	2172	2053	2052	EOT 2172 Dr 0
	171	1344	"	"	2173	2054	2053	Bot 2173 Dr 1
	171	1416	11° 53.400' N	88° 10.968' W	2173	2144	2143	EOT 2173 Dr 1
	171	1416	"	"	2174	2145	2144	Bot 2174 Dr 0
	171	1448	11° 51.218' N	88° 12.108' W	2174	2235	2234	EOT 2174 Dr 0
	171	1449	"	"	2175	2236	2235	Bot 2175 Dr 1
	171	1522	11° 49.019' N	88° 13.266' W	2175	2326	2325	EOT 2175 Dr 1
	171	1522	"	"	2176	2327	2326	Bot 2176 Dr 0
	171	1555	11° 46.835' N	88° 14.436' W	2176	2417	2416	EOT 2176 Dr 0
	171	1555	"	"	2177	2418	2417	Bot 2177 Dr 1
	171	1628	11° 44.650' N	88° 15.595' W	2177	2508	2507	EOT 2177 Dr 1
	171	1628	"	"	2178	2509	2508	Bot 2178 Dr 0
		1636	Scuzzy bus hung - Recording stopped					EOT 2178
		1653	System On				2179	Bot 2179
		1655	Correct file #s					EOT 2179 1-2 shots
	171	1656	11° 42.575' N	88° 16.693' W	2579	2587	2590	Bot 2579 (Repeat of Reel #)
		1723				2666	2669	EOT 2579 EndLine 110
NIC								
START LINE 110X								
	171	19:53	11° 44.974' N	88° 15.454' W	2180	1	1	Bot 2180 Dr 0
	171	20:24	11° 42.818' N	88° 16.554' W	2180	91	91	EOT 2180 Dr 0
	171	20:24	"	"	2181	92	92	Bot 2181 Dr 1
	171	20:54	11° 40.651' N	88° 17.703' W	2181	182	182	EOT 2181 Dr 1
	171	20:54	"	"	2182	183	183	Bot 2182 Dr 0
	171	21:25	11° 38.402' N	88° 18.907' W	2182	273	273	EOT 2182 Dr 0
	171	21:25	"	"	2183	274	274	Bot 2183 Dr 1
	171	21:55	11° 36.295' N	88° 20.023' W	2183	364	364	EOT 2183 Dr 1

Look ~  
20 min



Source: <u>Airgun</u>		Area: <u>Micragua</u>	Shot rate: <u>50 m</u>					Channels: <u>240</u>
Number of guns: <u>20</u>		Pressure: <u>2000 psi</u>	Sample rate: <u>2ms</u>					Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
171	21:55	11° 36.295 N	88° 20.023 W	2184	365	365		BOT 2184 Dr 0
171	22:27	11° 34.011 N	88° 21.239 W	2184	455	455		EOT 2184 Dr 0
171	22:27	"	"	2185	456	456		BOT 2185 Dr 0
171	22:57	11° 31.851 N	88° 22.371 W	2185	547	546		EOT 2185 Dr 1
171	22:58	"	"	2186	548	547		BOT 2186 Dr 0
171	23:27	11° 29.694 N	88° 23.516 W	2186	638	637		EOT 2186 Dr 0
171	23:27	"	"	2187	639	638		BOT 2187 Dr 1
171	23:58	11° 27.461 N	88° 24.693 W	2187	729	728		EOT 2187 Dr 1
171	23:58	"	"	2188	730	729		BOT 2188 Dr 1
172	00:30	11° 25.293 N	088° 25.854 W	2188	820	819		EOT 2188 Dr. 0
172	"	"	"	2189	821	820		BOT 2189 Dr. 1
172	00:36	11° 24.887 N	088° 26.068 W	2189	837	836		EOT 2189 Dr. 1 End of Line NIC110X
Stop shooting. and Start to recovering air guns and streamer								
NIC 125H								
172	1019	10 18.456 N	086 07.619 W	2200	1	1		Guns: 1-8, 13-16, 18-20 Begin Line 125H, Reel 2200 Dr. 0
	1036	10 19.242 N	086 08.411 W					Guns 11 & 12 on
173	1038	10 19.378 N	086 08.548 W	2200	19	19		Dr. 0 failed, EOT 2200
173	"	"	"	2201	20	20		BOT 2201, Dr. 1
173	1000	10 20.412 N	086 09.524 W					all guns on
173	1210	10° 23.794' N	86° 12.789' W	2201	110	110		EOT 2201 Dr 1
173	1210	"	"	2202	111	111		BOT 2202 Dr 0
173	1210	"	"	2202	111	111		EOT 2202 Dr 0
173	1214	Lost 2 shots		2203	114	112		BOT 2203 Dr 0
173	1230				134	129		EOT 2203 Dr 0 Error!!!
173	1230	10° 24.7' N	86° 13.7' W	2204	132	130		BOT 2204 Dr 1
173	1403	10° 29' 177 N	86° 18° 022 W	2204	222	220		EOT 2204 Dr 1
173	1403	"	"	2205	223	221		BOT 2205 Dr 0
173	1422	10° 30.146' N	86° 18.922' W	2205	240	238		EOT 2205 Dr 0 Error!!
173	"	"	"	2206	241	239		BOT 2206 Dr 1

Error

CRUISE:

EW0005

## RV MAURICE EWING SEISMIC RECORDING LOG

PAGE: 58

Line N1C 125H

Source:			Area: Nicaragua	Shot rate: 125 m				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
173	1552	10° 34' 48" S	86° 23' 12" W	2206	331	329	Dr1 EOT 2206	
173	"	"	"	2207	332	330	Dr1 BOT 2207	
173	1612	10° 35' 56" S	86° 24' 15" W	2207	350	348	EOT 2207 Dr1	
173	"	"	"	2208	351	349	Bot 2208 Dr1	
173	1740	10° 40.018' N	86° 28.463' W	2208	441	439	EOT 2208 Dr1	
173	1740	"	"	2209	442	440	Bot 2209 Dr1	
173	17:58	10° 40.991	086 29.395 W	2209	461	459	EOT 2209 Dr1	
173	17:58	"	"	2210	462	460	Bot 2210 Dr1	
173	19:26	10° 45.502 N	086° 33.755 W	2210	552	550	EOT 2210 Dr1	
173	19:27	"	"	2211	553	551	Bot 2211 Dr1	
173	19:48	10° 46.571 N	086° 34.781 W	2211	572	570	EOT 2211 Dr1	
173	19:49	"	"	2212	573	571	Bot 2212 Dr1	
173	21:10	10° 50.858 N	086° 38.931 W	2212	663	661	EOT 2212 Dr1	
173	21:11	"	"	2213	664	662	Bot 2213 Dr1	
173	21:28	10° 51.876 N	086° 39.920 W	2213	683	681	EOT 2213 Dr1	
173	21:28	"	"	2214	684	682	Bot 2214 Dr1	
173	22:52	10° 56.342 N	086° 44.221 W	2214	774	772	EOT 2214 Dr1	
173	22:53	"	"	2215	775	773	Bot 2215 Dr1	
173	23:12	10° 57.375 N	86° 45.242 W	2215	794	792	EOT 2215 Dr1	
173	23:13	"	"	2216	795	793	Bot 2216 Dr1	
174	00:36	11° 01.846 N	086° 49.571 W	2216	885	883	EOT 2216 Dr1	
174	"	"	"	2217	886	884	Bot 2217 Dr1	
174	00:56	11° 02.952 N	086° 50.616 W	2217	905	903	EOT 2217 Dr1	Error - early eject
174	"	"	"	2218	906	904	Bot 2218 Dr1	
174	02:18	11° 07.314 N	086° 54.853 W	2218	996	994	EOT 2218 Dr1	
"	"	"	"	2220	1000	996	Bot 2220 Dr1	Missed shots
"	02:40	11° 08.459 N	086° 55.947 W	2220	1018	1014	EOT 2220 Dr1	
"	"	"	"	"	"	"	Continue errors in this	Tape Dr errors
"	"	"	"	"	"	"	Drive sprockets	(skipped reel 2219)
"	02:40	"	"	2221	1019	1015	Bot 2221 Dr1	
"	04:01	11° 08.770 N	086° 00.124 W	2221	1109	1105	EOT 2221 Dr1	

missed shot 1110-1112  
File 1106

error with Dr1

Skipped Reel #2222

N1C125H

CRUISE:

R/V MAURICE EWING SEISMIC RECORDING LOG

PAGE: 59

Source:			Area: Nicaragua	Shot rate: 125 m				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				16 Aux. channels: Record Length 20 sec
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	174	0410	11° 12.770 N	087° 00.124 W	2223	1113	1107	BOT 2223 Dr. 0
	174	04:24	11° 13.998 N	087° 01.315 W	2223	1132	1126	EOT 2223 Dr. 0 errors. Skip to <sup>red</sup> 2224
	174	11	11	11	2224	1133	1127	BOT 2224 Dr. 1
	174	05:50	11° 18.543	087° 05.733 W	2224	1223	1217	EOT 2224 Dr. 1
	174	11	11	11	2225	1224	1218	Error Dr. 0 skip to reel 2226
	174	05:54	11° 18.786 N	087° 05.946 W	2226	1230	1219	BOT 2226 Dr. 0
	174	0609	11 19.549 N	087 06.686 W	2226	1248	1237	EOT 2226 Dr. 0
	174	11	11	11	2227	1249	1238	BOT 2227 Dr. 1
	174	0734	11 24.021 N	087 11.006 W	2227	1339	1328	EOT 2227 Dr. 1
	174	11	11	11	2228	1340	1329	BOT 2228 Dr. 0 (2228)
	174	0753	11 25.010 N	087 11.975 W	2228	1359	1348	EOT 2228 Dr. 0
	174	11	11	11	2229	1360	1349	BOT 2229 Dr. 1 (2229)
	174	0917	11 29.489 N	087 16.298 W	2229	1450	1439	EOT 2229 Dr. 1
	174	11	11	11	2230	1451	1440	BOT 2230 Dr. 0
	174	0936	11 30.492	087 17.272	2230	1471	1460	Dr. 0 error, EOT 2230
	174	11	11	11	2231	1472	1461	BOT 2231 Dr. 1
	174	10:17	11 32.619 N	087 19.343 W	2231	1513	1502	Gun 11 + 12 out, starting turn off line
	174	1030	11 33.082 N	087 20.124 W	2231	1527	1515	EOT 2231, Ending line 1254
	<del>174</del>	<del>1036</del>	<del>11 33.006 N</del>	<del>087 20.071 W</del>	<del>2232</del>			<del>BOT 2232, Starting line 1255</del>
	174	1040	11 32.849 N	087 20.998 W	2232	1540	1540	BOT 2232, Dr. 0 Starting line 1255 all port side guns off shooting on 50m
	174	1111	11 31.084 N	087 22.761 W	2232	1630	1630	EOT 2232 Dr. 0
	174	11	11	11	2233	1632	1631	BOT 2233 Dr. 1
	174	1141	11 29.300 N	087 24.523 W	2233	1722	1721	EOT 2233 Dr. 1
	174	11	11	11	2234	1723	1722	BOT 2234 Dr. 0
	174	1210	11° 27.566' N	87° 26.239' W	2234	1811	1810	EOT 2234 Dr. 0 Stop shooting line 1455
	174	1226	11° 26.624' N	87° 27.165' W	2235	1	1	BOT 2235 Dr. 1
	174	1257	11° 24.860' N	87° 28.900' W	2235	91	91	EOT 2235 Dr. 1
	174	1257	11	11	2236	92	92	BOT 2236 Dr. 0
	174	1328	11° 23.091 N	87° 30' 622	2236	182	182	EOT 2236 Dr. 0

CRUISE:

## R/V MAURICE EWING SEISMIC RECORDING LOG

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Source:			Area: <i>Niagara</i>	Shot rate:				Channels: 240
Number of guns:	20		Pressure: <i>2000 psi</i>	Sample rate: <i>2 us</i>				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	174	1329	11° 23' 09" N	87° 30' 622 W	2237	183	183	Bot 2237 Dr 1
	174	1400	11° 21' 313 N	87° 32' 400 W	2237	273	273	EOT 2237 Dr 1
	174	"	"	"	2238	274	274	Bot 2238 Dr 0
	174	1430	11° 19.528' N	87° 34.148' W	2238	364	364	EOT 2238 Dr 0
	174	"	"	"	2239	365	365	Bot 2239 Dr 1
	174	1431	"	"	2239	372	372	EOT 2239 Dr 1
	174	1442	11° 18.765' N	87° 34.747' W	2240	1	1	Bot 2240 Dr 0 Start line 115
	174	1517	11° 16.830' N	87° 35.526' W	2240	91	91	EOT 2240 Dr 0
	174	1518	"	"	2241	92	92	Bot 2241 Dr 1 All guns on
	174	1552	11° 15.242' N	87° 31.532' W	2241	182	182	EOT 2241 Dr 1
	174	"	"	"	2242	183	183	Bot 2242 Dr 0
	174	1627	11° 13.712' N	87° 29.667' W	2242	273	273	EOT 2242 Dr 0
	174	1627	"	"	2243	274	274	Bot 2243 Dr 1
	174	1659	11° 12' 144 N	87° 27' 777 W	2243	364	364	EOT 2243 Dr 1
	174	"	"	"	2244	365	365	Bot 2244 Dr 0
	174	1731	11° 10.532' N	87° 25.822' W	2244	455	455	EOT 2244 Dr 0
	174	1731	"	"	2245	456	456	Bot 2245 Dr 1
	174	18:04	11° 08.943 N	087° 23.915 W	2245	546	546	EOT 2246 Dr 1
	174	18:04	"	"	2246	547	547	Bot 2246 Dr 0
	174	18:37	11° 07.367 N	087 21.942	2246	637	637	EOT 2246 Dr 0
	174	18:37	"	"	2247	638	638	Bot 2247 Dr 1
	174	19:10	11° 05.700 N	87° 20.164 W	2247	728	728	EOT 2247 Dr 1
	174	19:10	"	"	2248	729	729	Bot 2248 Dr 0
	174	19:42	11° 03.964	87° 03.955 N	2248	819	819	EOT 2248 Dr 0
	174	19:42	"	"	2249	820	820	Bot 2249 Dr 1
	174	20:17	11 02-226	87 16-578	2249	910	910	EOT 2249 Dr 1
	174	"	"	"	2250	911	911	Bot 2250 Dr 0
	174	20:49	11° 00.516 N	87° 14.761	2250	1002	1001	EOT 2250 Dr 0
	174	20:49	"	"	2251	1003	1002	Bot 2251 Dr 1
	174	21:24	10° 58.738	87 12.902 W	2251	1096	1092	EOT 2251 Dr 1
	174	21:24	"	"	2252	1097	1093	Bot 2252 Dr 0
	174	21:56	10° 57.015 N	087 11.113 W	2252	1187	1183	EOT 2252 Dr 0

Source:			Area: <i>Nicaragua</i>	Shot rate:				Channels: <i>240</i>
Number of guns:	<i>20</i>		Pressure: <i>2000 psi</i>	Sample rate: <i>2 ms</i>				Aux. channels:
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	<i>174</i>	<i>21:56</i>	<i>10° 57.015 N</i>	<i>087° 11.113 W</i>	<i>2253</i>	<i>1188</i>	<i>1184</i>	<i>BOT 2253 Dr. 1</i>
	<i>174</i>	<i>22:30</i>	<i>10° 55.273 N</i>	<i>087° 09.309 W</i>	<i>2253</i>	<i>1278</i>	<i>1274</i>	<i>EOT 2253 Dr. 1</i>
	<i>174</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2254</i>	<i>1279</i>	<i>1275</i>	<i>BOT 2254 Dr. 1</i>
	<i>174</i>	<i>23:03</i>	<i>10° 53.561 N</i>	<i>087° 07.517 W</i>	<i>2254</i>	<i>1369</i>	<i>1365</i>	<i>EOT 2254 Dr. 1</i>
	<i>174</i>	<i>23:03</i>	<i>"</i>	<i>"</i>	<i>2255</i>	<i>1370</i>	<i>1366</i>	<i>BOT 2255 Dr. 1</i>
	<i>174</i>	<i>23:36</i>	<i>10° 51.868</i>	<i>087° 05.742 W</i>	<i>2255</i>	<i>1460</i>	<i>1456</i>	<i>EOT 2255 Dr. 1</i>
	<i>174</i>	<i>23:36</i>	<i>"</i>	<i>"</i>	<i>2256</i>	<i>1461</i>	<i>1457</i>	<i>BOT 2256 Dr. 1</i>
	<i>175</i>	<i>00:03</i>	<i>10° 50.450 N</i>	<i>087° 04.247 W</i>	<i>2256</i>	<i>1528</i>	<i>1524</i>	<i>Program stopped shooting - Watch</i>
		<i>* off fr ~ 1-2 minutes - Jeff restarted @ 00:03</i>						<i>Message 018 - cable data</i>
			<i>↳ Jeff thinks it might have happened as new day started (@ 00:00:00), but also missed shot #1527 right before then - sol's unsure</i>					
	<i>175</i>	<i>00:13</i>	<i>10° 49.926 N</i>	<i>087° 03.693 W</i>	<i>2256</i>	<i>1552</i>	<i>1547</i>	<i>EOT 2256 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2257</i>	<i>1553</i>	<i>1548</i>	<i>BOT 2257 Dr. 1</i>
	<i>175</i>	<i>00:26</i>	<i>10° 49.263 N</i>	<i>087° 02.980 W</i>	<i>2257</i>	<i>1591</i>	<i>1587</i>	<i>Gun #12 off-line due to air leak</i>
	<i>175</i>	<i>00:46</i>	<i>10° 48.252 N</i>	<i>087° 01.900 W</i>	<i>2257</i>	<i>1643</i>	<i>1638</i>	<i>EOT 2257 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2258</i>	<i>1644</i>	<i>1639</i>	<i>BOT 2258 Dr. 1</i>
	<i>175</i>	<i>01:07</i>	<i>10° 47.211 N</i>	<i>087° 00.760</i>	<i>2258</i>	<i>1701</i>	<i>1697</i>	<i>Gun #12 back on-line</i>
	<i>175</i>	<i>01:20</i>	<i>10° 46.540 N</i>	<i>087° 00.057</i>	<i>2258</i>	<i>1734</i>	<i>1729</i>	<i>EOT 2258 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2259</i>	<i>1735</i>	<i>1730</i>	<i>BOT 2259 Dr. 1</i>
	<i>175</i>	<i>01:55</i>	<i>10° 44.742 N</i>	<i>086° 58.391 W</i>	<i>2259</i>	<i>1825</i>	<i>1820</i>	<i>EOT 2259</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2260</i>	<i>1826</i>	<i>1821</i>	<i>BOT 2260 Dr. 1</i>
	<i>175</i>	<i>02:31</i>	<i>10° 42.919 N</i>	<i>086° 56.713 W</i>	<i>2260</i>	<i>1916</i>	<i>1911</i>	<i>EOT 2260 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2261</i>	<i>1917</i>	<i>1912</i>	<i>BOT 2261 Dr. 1</i>
	<i>175</i>	<i>3:04</i>	<i>10° 41.562 N</i>	<i>086° 54.727 W</i>	<i>2261</i>	<i>2002</i>	<i>2002</i>	<i>EOT 2261</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2262</i>	<i>2008</i>	<i>2003</i>	<i>BOT 2262</i>
	<i>175</i>	<i>03:38</i>	<i>10° 39.830 N</i>	<i>086° 52.858 W</i>	<i>2262</i>	<i>2098</i>	<i>2093</i>	<i>EOT 2262 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2263</i>	<i>2099</i>	<i>2094</i>	<i>BOT 2263 Dr. 1</i>
	<i>175</i>	<i>04:11</i>	<i>10° 38.057 N</i>	<i>086° 51.119 W</i>	<i>2263</i>	<i>2189</i>	<i>2184</i>	<i>EOT 2263 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2264</i>	<i>2190</i>	<i>2185</i>	<i>BOT 2264 Dr. 1</i>
	<i>175</i>	<i>04:44</i>	<i>10° 36.130 N</i>	<i>086° 49.591 W</i>	<i>2264</i>	<i>2280</i>	<i>2275</i>	<i>EOT 2264 Dr. 1</i>
	<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2265</i>	<i>2281</i>	<i>2276</i>	<i>BOT 2265 Dr. 1</i>
	<i>175</i>	<i>05:12</i>	<i>10° 34.194 N</i>	<i>086° 48.036 W</i>	<i>2265</i>	<i>2371</i>	<i>2366</i>	<i>EOT 2265 Dr. 1</i>

Source:			Area: Nicaragua	Shot rate: 50 m				Channels: 240
Number of guns:	20		Pressure: 2000 psi	Sample rate: 2 ms				Aux. channels: -
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
	175	05:17	10° 34.294 N	086° 48.088 W	2266	2462	2366	BOT 2266 Dr. 1
	175	05:50	10° 32.260 N	086° 46.489 W	2267	2462	2457	EOT 2267 Dr. 1
	175	"	"	"	2268	2463	2458	BOT 2268 Dr. 1
	175	06:23	10 30.322 N	086 44.942 W	2269	2553	2548	EOT 2269 Dr. 1
	175	"	"	"	2269	2554	2549	BOT 2269 Dr. 1
	175	06:56	10 28.431 N	086 43.437 W	2269	2644	2639	EOT 2269 Dr. 1
	175	"	"	"	2270	2645	2640	BOT 2270 Dr. 1
	175	7:29	10 26.495 N	086 41.883 W	2270	2735	2730	EOT 2270 Dr. 1
	175	"	"	"	2270	2736	2731	BOT 2271 Dr. 1
	175	08:02	10 24.562 N	086 40.346 W	2270	2826	2821	EOT 2271 Dr. 1
	175	"	"	"	2271	2827	2822	BOT 2272 Dr. 1
	175	08:35	10 22.626 N	086 38.806 W	2271	2917	2912	EOT 2272 Dr. 1
	175	"	"	"	2272	2918	2913	BOT 2273 Dr. 1
	175	09:08	10 20.698 N	086 37.272 W	2272	3008	3003	EOT 2272 Dr. 1
	175	"	"	"	2273	3009	3004	BOT 2273 Dr. 1
	175	09:40	10 18.770 N	086 35.714 W	2273	3099	3094	EOT 2273 Dr. 1
	175	"	"	"	2274	3100	3095	BOT 2274 Dr. 1
	175	10:13	10 16.824 N	086 34.165 W	2274	3190	3185	EOT 2274 Dr. 1
	175	"	"	"	2275	3191	3186	BOT 2275 Dr. 1
	175	10:45	10 14.892 N	086 32.632 W	2275	3281	3276	EOT 2275 Dr. 1
	175	"	"	"	2276	3282	3277	BOT 2276 Dr. 1
	175	11:18	10 12.969 N	086 31.086 W	2276	3372	3367	EOT 2276 Dr. 1
	175	"	"	"	2277	3373	3368	BOT 2277 Dr. 1
	175	11:51	10 11.019 N	086 29.548 W	2277	3463	3458	EOT 2277 Dr. 1
	175	"	"	"	2278	3464	3459	BOT 2278 Dr. 1
	175	12:23	10° 09' 18.3 N	086° 28' 06.2 W	2278	3554	3549	EOT 2278 Dr. 1
	175	"	"	"	2279	3555	3550	BOT 2279 Dr. 1
	175	12:57	10° 07' 14.0 N	86° 26' 44.5 W	2279	3645	3640	EOT 2279 Dr. 1
	175	"	"	"	2280	3646	3641	BOT 2280 Dr. 1
	175	13:30	10° 05' 24.8 N	86° 24' 12.7 W	2280	3736	3731	EOT 2280 Dr. 1
	175	"	"	"	2281	3737	3732	BOT 2281 Dr. 1
	175	14:04	10° 03' 27.1 N	86° 23' 35.1 W	2281	3827	3822	EOT 2281 Dr. 1

CRUISE: EW0005

## R/V MAURICE EWING SEISMIC RECORDING LOG

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Source:			Area: <i>Nicaragua</i>	Shot rate:	<i>50 m</i>		Channels: <i>240</i>	
Number of guns: <i>20</i>			Pressure: <i>200 psi</i>	Sample rate:	<i>2 ms</i>		Aux. channels: <i>—</i>	
Date	J. Day	GMT	Latitude	Longitude	Tape #	Shot #	File #	Comments
<i>175</i>	<i>1404</i>		<i>10° 03' 27.1 N</i>	<i>86° 23' 35.1 W</i>	<i>2282</i>	<i>3828</i>	<i>3823</i>	<i>BOT 2282 Drø</i>
<i>175</i>	<i>1436</i>		<i>10° 06.334 N</i>	<i>86° 21.812</i>	<i>2282</i>	<i>3918</i>	<i>3913</i>	<i>EOT 2282 Drø</i>
<i>175</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>2283</i>	<i>3919</i>	<i>3914</i>	<i>DOT 2283 Drø</i>
<i>175</i>	<i>1507</i>		<i>9° 59.460</i>	<i>86° 20.334</i>	<i>2283</i>	<i>4002</i>	<i>3997</i>	<i>EOT 2283 End line 115</i>