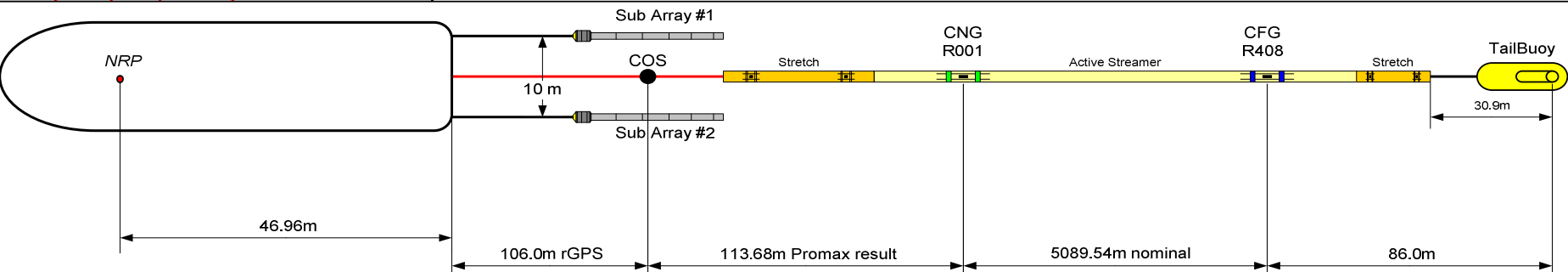
 <b>SeaBird Exploration</b> <b>M/V Aquila Explorer</b>		OBSERVERS LOG				SEQ# <span style="background-color: #FFDAB9; padding: 2px 10px;">095</span>																																																				
				Line status	COMPLETE																																																					
Client:	DPI	Prospect:	Southern Flank 2D		Line No:	DPISF-016-P2095																																																				
Party Chief: Graeme Marsden		Observers: 12:00-00:00 GR GM; 00:00-12:00 ES RK			Date:	6-Apr-10																																																				
Recording Parameters		Recording Details		Line statistics		Heading <span style="background-color: #FFDAB9;">44.9°</span>																																																				
System: Sercel Seal Filter Delay: 0mS Sample rate: 2mS Digital Low cut filter: Combined 4.3 Hz@12db/oct. Digital High cut filter: 200Hz@370dB/Oct .8N MIN No. Channels: 408 seismic (+ 36 Aux) Record Length: 5.632 Second System Start: Aux 1 Water break: Aux 2 Time break: Aux 3 Fire Out: Aux 4 String 1: Aux 13-19 String 2: Aux 27-33		Media: IBM 3592 Capacity: 60 GB type Economy Format: SEG D format (rev1) <div style="background-color: #D3D3D3; font-weight: bold; margin-top: 5px;">Streamer</div> Manufacturer: Sercel Hydrophone type: Sercel Flexible (SFH) 'phones / group: 8 'phone spacing: Even Group length: 12.95 m Group interval: 12.50 m Sensitivity: 19.73 V / Bar Active length: 5100m Depth: 8 m		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Time</th> <th>File</th> <th>SP</th> </tr> <tr> <td>FSP</td> <td>5:59</td> <td>1923</td> <td>1923</td> </tr> <tr> <td>FOSP</td> <td>6:01</td> <td>1943</td> <td>1943</td> </tr> <tr> <td>FGSP/FCSP</td> <td>6:17</td> <td>2079</td> <td>2079</td> </tr> <tr> <td>LFFSP</td> <td>11:03</td> <td>4636</td> <td>4636</td> </tr> <tr> <td>LGSP/LSP</td> <td>11:17</td> <td>4772</td> <td>4772</td> </tr> </table>			Time	File	SP	FSP	5:59	1923	1923	FOSP	6:01	1943	1943	FGSP/FCSP	6:17	2079	2079	LFFSP	11:03	4636	4636	LGSP/LSP	11:17	4772	4772	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>SOL</th> <th>EOL</th> </tr> <tr> <td>Feather</td> <td>3.2°</td> <td>7.1°</td> </tr> <tr> <td>RMS Noise, <math>\mu</math>B</td> <td>4.7</td> <td>7.8</td> </tr> <tr> <td>Source Vol</td> <td>2360</td> <td>2360</td> </tr> <tr> <td>Pressure</td> <td>2004</td> <td>1973</td> </tr> <tr> <td>Wind, kt</td> <td>ENE 25</td> <td>NE 30</td> </tr> <tr> <td>Swell, m</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>Swell Dir</td> <td>ENE</td> <td>NE</td> </tr> <tr> <td>Tape</td> <td>120</td> <td>120</td> </tr> </table>			SOL	EOL	Feather	3.2°	7.1°	RMS Noise, $\mu$ B	4.7	7.8	Source Vol	2360	2360	Pressure	2004	1973	Wind, kt	ENE 25	NE 30	Swell, m	2.5	2.5	Swell Dir	ENE	NE	Tape	120	120
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				SP Range 4698 - EOL (4772): As discovered on subsequent retrieval of Gun String #2, we had struck a log that caused considerable damage to the equipment including the pigtail (firing & sensor lines) for Gun 2-11. Due to the breakage of this pigtail, the sensor line was open-circuited and thus the reason for the gun giving 'No Fire' indications.																																																						
Source		Depth		Shot interval		18.75																																																				
Type: Bolt 1900LLX No. of guns: 22 (incl. 2 spares) Total volume: 2360 Gun arrays: 1 Sub arrays: 2 Gun / sub array: 11 (incl. 1 spare) Pressure: 2000 psi		Navigation																																																								
		Manufacturer: C&C Technologies, USA System: C-Nav RTCM C-Nav GPS: C-Nav RGPS Buoylink Fathometer: Kongsberg EA600 Gyro: TSS Meridian Surveyor																																																								
Delta errors 1.00 mS @ SP		Only true errors will be logged. Ignore any other errors from Gunlink																																																								
Misfires @ SP [Guns OFF except for Gun 2-11]		4707, 4708, 4714, 4715																																																								
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Other [Earthquake / tremor]		2245, 2246, 2247, 2248, 2249, 2250 2251																																																								
																																																										

Client:	DPI	Prospect:	Southern Flank 2D					Line No:	DPISF-016-P2095		
Line Details								Date:	06 Apr 10		
Time	SP	File	Reel	Error	Comments				RMS Noise	W/Depth	Feather
UTC									μB	m	°
4:55					Gun Arrays Soft Start.						
5:30					Soft Start Complete.						
		1921	120		Noise Test, BOT				4.8		
		1922			Noise Test				4.7		
5:59	1923	1923			FSP				4.7	57.9	2.1
6:01	1943	1943			FOSP, SOL				4.9	56.6	2.3
6:17	2078	2078			LOSP						
6:17	2079	2079			FGSP, FCSP				4.1	58.0	3.2°
6:37	2245	2245			Note: Encountered an earthquake / tremor during this SP range; SP range 2245 - 2251 BAD						
6:38	2251	2251			Shotpoints as verified by QC Processing.						
8:50	3400	3400			Swell Noise: now evident on shot data; 0.5 - 3% of traces affected with ≥ 25 μB; 8 Hz LC				8.0	58.1	5.9°
11:03	4636	4636			LFFSP [Swell Noise: It has increased; up tp 12% of traces affected with ≥ μB]				12.4	61.5	6.3°
11:10	4698	4698			Gun 2-11: 'No Fire' indications for Gun 2-11 given by Source Controller from SP 4698 to EOL. However, as noted subsequently and as verified by QC Processing, these were false indications						
11:11	4707	4707			Note: These two (2) consecutive shotpoints are BAD Shotpoints because all the guns, except for Gun 2-11, were disabled in order to prove that Gun 2-11 was indeed firing.						
11:11	4708	4708									
11:11	4714	4714			Note: These two (2) consecutive shotpoints are BAD Shotpoints because all the guns, except for Gun 2-11, were disabled in order to prove that Gun 2-11 was indeed firing.						
11:11	4715	4715									
11:17	4772	4772			LGSP, LSP EOL				7.0	61.7	7.1°
		4773			Noise Test				9.6		
		4774	120		Noise Test, EOT				7.8		
				☑	Cross checked with Navigation						
					LINE COMPLETE						