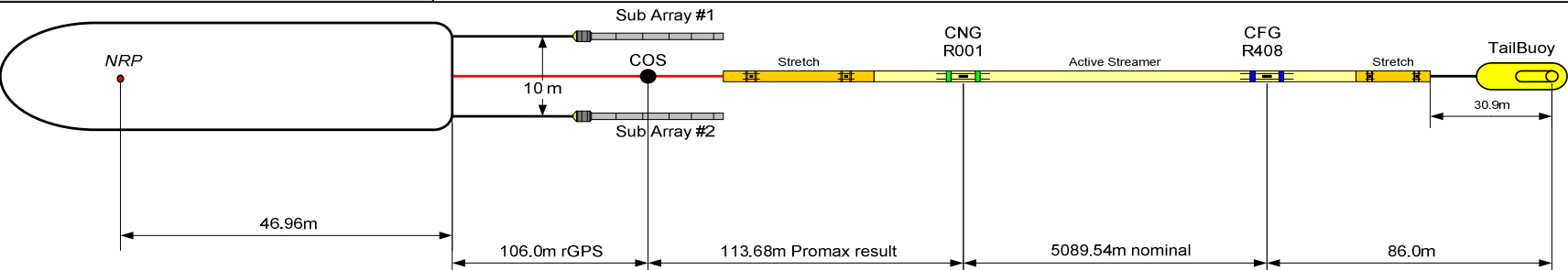
		<h1>OBSERVERS LOG</h1>				SEQ# <b>084</b>																																																								
M/V Aquila Explorer						Line status	<b>COMPLETE</b>																																																							
Client:	DPI	Prospect:	Southern Flank 2D		Line No:	DPISF-S14-P1084																																																								
Party Chief:	Graeme Marsden	Observers:	12:00-00:00 GR GM; 00:00-12:00 ES RK		Date:	31-Mar-10																																																								
<b>Recording Parameters</b> 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 20-26		<b>Recording Details</b> Media: IBM 3592 Capacity: 60 GB type Economy Format: SEG D format (rev1) <b>Streamer</b> 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		<b>Line statistics</b> <table border="1"> <thead> <tr> <th></th> <th>Time</th> <th>File</th> <th>SP</th> </tr> </thead> <tbody> <tr> <td>FSP</td> <td>21:03</td> <td>1001</td> <td>981</td> </tr> <tr> <td>FGSP</td> <td>21:20</td> <td>1168</td> <td>1148</td> </tr> <tr> <td>FCSP</td> <td>21:20</td> <td>1168</td> <td>1148</td> </tr> <tr> <td>LFFSP</td> <td>12:19</td> <td>10340</td> <td>10320</td> </tr> <tr> <td>LGSP</td> <td>12:31</td> <td>10476</td> <td>10456</td> </tr> <tr> <td>LSP</td> <td>12:31</td> <td>10478</td> <td>10458</td> </tr> </tbody> </table>			Time	File	SP	FSP	21:03	1001	981	FGSP	21:20	1168	1148	FCSP	21:20	1168	1148	LFFSP	12:19	10340	10320	LGSP	12:31	10476	10456	LSP	12:31	10478	10458	<b>Heading</b> <b>135.1°</b> <table border="1"> <thead> <tr> <th></th> <th>SOL</th> <th>EOL</th> </tr> </thead> <tbody> <tr> <td>Feather</td> <td>-64.7°</td> <td>6.2°</td> </tr> <tr> <td>RMS Noise, µB</td> <td>n/a</td> <td>3.4</td> </tr> <tr> <td>Source Vol</td> <td>2360</td> <td>2360</td> </tr> <tr> <td>Pressure</td> <td>1978</td> <td>1962</td> </tr> <tr> <td>Wind, kt</td> <td>Calm</td> <td>Calm</td> </tr> <tr> <td>Swell, m</td> <td>0.5</td> <td>1</td> </tr> <tr> <td>Swell Dir</td> <td>E</td> <td>E</td> </tr> <tr> <td>Tape</td> <td>107</td> <td>107</td> </tr> </tbody> </table>			SOL	EOL	Feather	-64.7°	6.2°	RMS Noise, µB	n/a	3.4	Source Vol	2360	2360	Pressure	1978	1962	Wind, kt	Calm	Calm	Swell, m	0.5	1	Swell Dir	E	E	Tape	107	107
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<b>Source</b> 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		<b>Depth</b> <b>6 m</b> <b>Shot interval</b> <b>18.75</b>		<b>Traces</b> <table border="1"> <thead> <tr> <th></th> <th>Noisy</th> <th>Weak</th> <th>Dead</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>Channel No.</td> <td>393</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>184</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>64</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Noisy	Weak	Dead	Comments	Channel No.	393					184					64																																						
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<b>Navigation</b> Manufacturer: C&C Technologies, USA System: C-Nav RTCM C-Nav GPS: C-Nav RGPS Buoylink Fathometer: Kongsberg EA600 Gyro: TSS Meridian Surveyor																																																														
<b>Delta errors 1.00 mS @ SP</b>		6381, 6467, 6508, 6632, 6681, 6776, 7163, 7210, 8173, 8221, 8271, 8323, 8420, 8568, 8770, 9177, 9279, 9437, 10085, 10139, 10192 & 10357																																																												
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<b>Other</b>		Only true errors will be logged. Ignore any other errors from Gunlink																																																												
																																																														

Client:	DPI	Prospect:	Southern Flank 2D				Line No:	DPISF-S14-P1084		
Line Details							Date:	31 Mar 10		
Time	SP	File	Reel	Error	Comments	RMS Noise	W/Depth	Feather		
UTC						μB	m	°		
20:25					Gun Arrays Soft Start.					
21:00					Soft Start Complete.					
					<b>Note:</b> Please refer to the 'Parameter Sheet' for a listing of shotpoints that encountered <b>Autofires (Bad Records)</b> related to Gun 1-5 as identified by QC Processing. Shotpoints with <b>Timing Errors</b> (also <b>Bad Records</b> ) are noted below as well as on the 'Parameter Sheet'.					
21:03	981	1001	107		FSP <b>Note:</b> Noise tests is not taken d/t turn & excessive noise present on streamer]	11.5	22.0			
21:05	1001	1021			SOL <b>Note:</b> Streamer in turn; currently in shallow water]	22.9	24.1	-64.7		
21:20	1148	1168			FGSP, FCSP <b>Note:</b> Feather Angle < 20°; 3/4 of streamer is straight]	16.1	24.4	-19.8°		
21:22	1198	1218			Feather Angle < 10° (Port)	9.5	25.7	-9.9°		
23:59	2787	2807			Midnight SP (UTC)	4.9	59.8	9.1°		
0:09	2885	2905			Feather Angle > 10° (Starboard)	5.0	60.9	10.1°		
1:55	3960	3980			Maximum Feather Angle (Starboard)	4.2	59.7	14.3°		
1:55	3961	3981			Dogleg Shotpoint - New course heading: 134.7°	4.3	60.5	14.2°		
3:22	4861	4881			Feather Angle < 10° (Starboard)	3.2	58.4	9.9°		
5:50	6381	6401			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early <b>[Bad Shotpoint]</b>					
5:55	6428	6448			Feather Angle > 10° (Port)	3.1	52.8	-10.1°		
5:59	6467	6487			Timing Error; Gun 1-5 [20 cu.in] Fired 1.5ms early <b>[Bad Shotpoint]</b>					
6:05	6508	6528			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early <b>[Bad Shotpoint]</b>					
6:15	6632	6652			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early <b>[Bad Shotpoint]</b>					
6:19	6681	6701			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early <b>[Bad Shotpoint]</b>					
6:29	6776	6796			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early <b>[Bad Shotpoint]</b>					
6:38	6867	6907			Feather Angle > 15° (Port)	3.1	51.9	-15.0°		
7:06	7163	7183			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early <b>[Bad Shotpoint]</b>					
7:11	7210	7230			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early <b>[Bad Shotpoint]</b>					
7:24	7344	7364			Maximum Feather Angle (Port)	3.7	49.4	-18.4°		
7:55	7665	7685			Feather Angle < 15° (Port)	4.3	47.0	-14.9°		
8:38	8100	8120			Feather Angle < 10° (Port)	4.1	44.0	-9.9°		
8:45	8173	8193			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early <b>[Bad Shotpoint]</b>					
8:50	8221	8241			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early <b>[Bad Shotpoint]</b>					
8:55	8271	8291			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early <b>[Bad Shotpoint]</b>					
9:00	8323	8343			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early <b>[Bad Shotpoint]</b>					
9:09	8420	8440			Timing Error; Gun 1-5 [20 cu.in] Fired 1.5ms early <b>[Bad Shotpoint]</b>					

Client:	DPI		Prospect:	Southern Flank 2D			Line No:	DPISF-S14-P1084			
Line Details								Date:	31 Mar 10		
9:24	8568	8588			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early [Bad Shotpoint]						
9:43	8770	8790			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early [Bad Shotpoint]						
10:23	9177	9197			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early [Bad Shotpoint]						
10:33	9279	9299			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early [Bad Shotpoint]						
10:48	9437	9457			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early [Bad Shotpoint]						
11:55	10085	10105			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early [Bad Shotpoint]						
12:00	10139	10159			Timing Error; Gun 1-5 [20 cu.in] Fired 1.4ms early [Bad Shotpoint]						
12:05	10192	10212			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early [Bad Shotpoint]						
12:19	10320	10340			LFFSP			5.5	42.3	6.7°	
12:21	10357	10377			Timing Error; Gun 1-5 [20 cu.in] Fired 1.3ms early [Bad Shotpoint]						
12:31	10456	10476			LGSP			4.6	44.8	6.2°	
12:31	10458	10478			LSP. EOL			4.7	45.0	6.2°	
		10479			Noise Test			3.6			
		10480	107		Noise Test, EOT			3.4			
				<input checked="" type="checkbox"/>	Cross checked with Navigation						
					LINE COMPLETE						