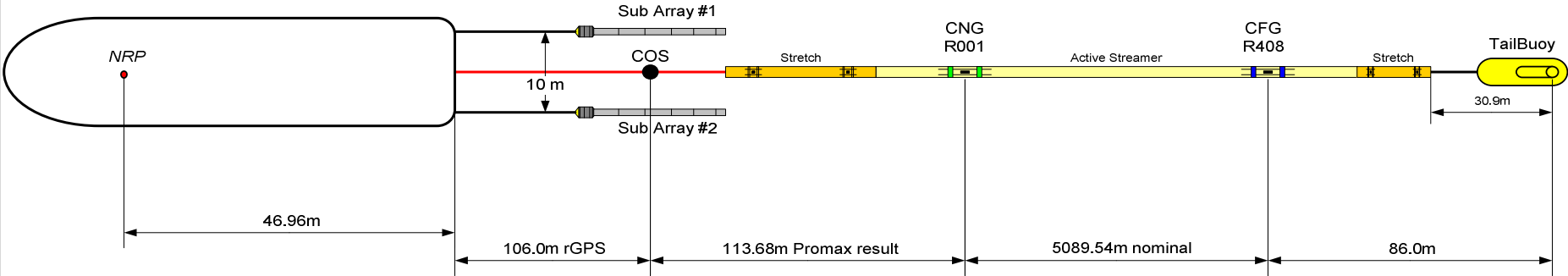
 <p>SeaBird Exploration M/V Aquila Explorer</p>		<h1 style="text-align: center;">OBSERVERS LOG</h1>				SEQ# 058																																																								
				Line status	COMPLETE																																																									
Client:	DPI	Prospect:	Southern Flank 2D		Line No:	DPISF-054-P1058																																																								
Party Chief: Grame Marsden		Observers: 12:00-00:00 GR GM; 00:00-12:00 ES RK			Date:	22-Mar-10																																																								
Recording Parameters		Recording Details		Line statistics		Heading 44.3°																																																								
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		Media: IBM 3592 Capacity: 60 GB type Economy Format: SEG D format (rev1) Streamer 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: 9 m		<table border="1"> <thead> <tr> <th></th> <th>Time</th> <th>File</th> <th>SP</th> </tr> </thead> <tbody> <tr><td>FSP</td><td>4:09</td><td>981</td><td>981</td></tr> <tr><td>FGSP</td><td>4:11</td><td>1001</td><td>1001</td></tr> <tr><td>FCSP</td><td>4:11</td><td>1001</td><td>1001</td></tr> <tr><td>LFFSP</td><td>11:29</td><td>5058</td><td>5058</td></tr> <tr><td>LGSP</td><td>11:43</td><td>5194</td><td>5194</td></tr> <tr><td>LSP</td><td>11:43</td><td>5196</td><td>5196</td></tr> </tbody> </table>			Time	File	SP	FSP	4:09	981	981	FGSP	4:11	1001	1001	FCSP	4:11	1001	1001	LFFSP	11:29	5058	5058	LGSP	11:43	5194	5194	LSP	11:43	5196	5196	<table border="1"> <thead> <tr> <th></th> <th>SOL</th> <th>EOL</th> </tr> </thead> <tbody> <tr><td>Feather</td><td>0.0°</td><td>2.8°</td></tr> <tr><td>RMS Noise, µB</td><td>5.5</td><td>11.6</td></tr> <tr><td>Source Vol</td><td>2360</td><td>2360</td></tr> <tr><td>Pressure</td><td>2018</td><td>1996</td></tr> <tr><td>Wind, kt</td><td>SW 30</td><td>SW 35</td></tr> <tr><td>Swell, m</td><td>2 - 3</td><td>3</td></tr> <tr><td>Swell Dir</td><td>SW</td><td>SW</td></tr> <tr><td>Tape</td><td>69</td><td>69</td></tr> </tbody> </table>			SOL	EOL	Feather	0.0°	2.8°	RMS Noise, µB	5.5	11.6	Source Vol	2360	2360	Pressure	2018	1996	Wind, kt	SW 30	SW 35	Swell, m	2 - 3	3	Swell Dir	SW	SW	Tape	69	69
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				Line comments Bird #6: This bird developed motor failure problems just prior to SOL. It's Wing Angle, however, is being maintained at 0° and it is riding within spec. Gun 2-2 (150 cu in) disabled at SP 1872 & Gun 2-4 enabled (150 cu in) at SP 1873 due to false A/F & No Fire indications (the problem is electrical leakage on the sensor line) Bird #7: Intermittant Bad compass data and occasionally depths riding out of spec towards EOL																																																										
Source		Depth	6 m	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		Traces <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. 393</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> <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																																																	
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Other		Only true errors will be logged. Ignore any other errors from Gunlink																																																												
 <p>The diagram illustrates the layout of the seismic streamer system. It starts with the NRP (Narrow Range Processor) at the left end. A distance of 46.96m leads to the start of the streamer. The streamer consists of two sub-arrays, Sub Array #1 and Sub Array #2, separated by a 10m distance. The main streamer is labeled 'Active Streamer' and includes sections for 'Stretch', 'CNG R001', and 'CFG R408'. The total length of the streamer is 5089.54m nominal. The distance from the start of the streamer to the TailBuoy is 86.0m. The total distance from the NRP to the TailBuoy is 106.0m rGPS. The distance from the COS (Control Onboard System) to the TailBuoy is 113.68m Promax result.</p>																																																														

Client:	DPI		Prospect:		Southern Flank 2D				Line No:	DPISF-054-P1058		
Line Details									Date:		22 Mar 10	
Time	SP	File	Reel	Error	Comments				RMS Noise	W/Depth	Feather	
UTC									μB	m	°	
3:22					Gun Arrays Soft Start.							
3:57					Soft Start Complete.							
		979	69		Noise Test, BOT				9.4			
		980			Noise Test				9.3			
4:09	981	981			FSP				13.0	43.2		
4:11	1001	1001			FGSP, FCSP, SOL [Note: Swell Noise present at SOL; typically, 5% of the traces are affected with ≥ 25 μBar; 8 Hz LC filter utilized]				6.2	43.1	-4.9°	
4:37	1235	1235			Timing Error: Gun 2-2 (150 Cu Inch); 2.2 ms late; Bad Shotpoint							
4:44	1300	1300			Timing Error: Gun 2-2 (150 Cu Inch); 2.4 ms late; Bad Shotpoint							
4:51	1355	1355			Timing Error: Gun 2-2 (150 Cu Inch); 2.0 ms late; Bad Shotpoint							
5:20	1621	1621			Timing Error: Gun 2-2 (150 Cu Inch); 2.6 ms late; Bad Shotpoint							
5:47	1858	1858			Timing Error: Gun 2-2 (150 Cu Inch); 3.3 ms late; Bad Shotpoint							
5:48	1872	1872			Gun 2-2 Disabled (after the shot); Effective Vol = 2210 cu inches; Good Shotpoint							
5:48	1873	1873			Gun 2-4 Enabled (after the shot); Effective Vol = 23600 cu inches; Good Shotpoint							
6:03	2000	2000			Update on Swell Noise : It has increased; 3 - 12% of the traces affected with ≥ 25 μB (depending on the shot) with an overall average of approx. 8%				9.8	42.0	4.8°	
7:10	2596	2596			Feather Angle > 10°				19.3	48.2	10.1°	
7:50	2950	2950			Maximum Feather Angle						12.5°	
7:56	3000	3000			Update on Swell Noise : Still increasing; 5 - 20% of the traces affected with ≥ 25 μB (depending on the shot) with an overall average of approx. 12%				14.5	51.0	12.3°	
8:30	3308	3308			Feather Angle < 10°						9.9°	
9:43	4000	4000			Update on Swell Noise : Still increasing; 10 - 30% of the traces affected with ≥ 25 μB (depending on the shot) with an overall average of approx. 18%				22.7	66.3	3.5°	
10:33	4500	4500			Update on Swell Noise : Decreased somewhat; 5 - 20% of the traces affected with ≥ 25 μB (depending on the shot) with an overall average of approx. 10%				14.9	121.6	-1.0°	
11:23	5000	5000			Update on Swell Noise : Still decreasing somewhat; 4 - 10% of the traces affected with ≥ 25 μB (depending on the shot) with an overall average of approx. 7%				17.9	434.4	3.0°	
11:29	5058	5058			LFFSP				12.9	487.6	3.1°	
11:43	5194	5194			LGSP				11.6	635.6	2.8°	
11:43	5196	5196			LSP. EOL				13.5	638.3		
		5197			Noise Test				11.9			
		5198			Noise Test, EOT				12.6			
				✂	Cross checked with Navigation							

Client:	DPI	Prospect:	Southern Flank 2D					Line No:	DPISF-054-P1058			
Line Details									Date:	22 Mar 10		
					LINE COMPLETE							