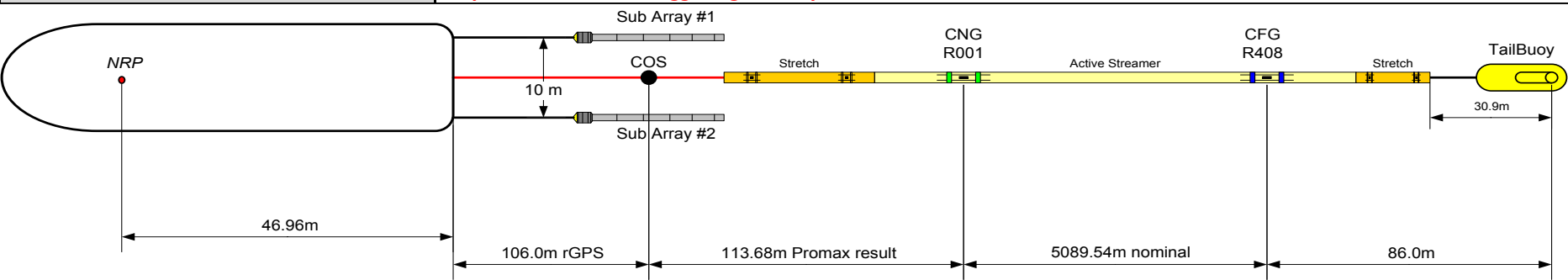
 <p>SeaBird Exploration M/V Aquila Explorer</p>		<h1 style="text-align: center;">OBSERVERS LOG</h1>				SEQ# 086																																																								
				Line status		COMPLETE																																																								
Client: DPI		Prospect: Southern Flank 2D			Line No: DPISF-S16-P1086																																																									
Party Chief: Graeme Marsden		Observers: 12:00-00:00 GR GM; 00:00-12:00 ES RK				Date: 2-Apr-10																																																								
Recording Parameters		Recording Details		Line statistics		Heading 135.0°																																																								
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: 8 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>6:58</td><td>981</td><td>982</td></tr> <tr><td>FGSP</td><td>7:15</td><td>1150</td><td>1151</td></tr> <tr><td>FCSP</td><td>7:15</td><td>1150</td><td>1151</td></tr> <tr><td>LFFSP</td><td>22:42</td><td>10315</td><td>10316</td></tr> <tr><td>LGSP</td><td>22:56</td><td>10451</td><td>10452</td></tr> <tr><td>LSP</td><td>22:56</td><td>10453</td><td>10454</td></tr> </tbody> </table>			Time	File	SP	FSP	6:58	981	982	FGSP	7:15	1150	1151	FCSP	7:15	1150	1151	LFFSP	22:42	10315	10316	LGSP	22:56	10451	10452	LSP	22:56	10453	10454	<table border="1"> <thead> <tr> <th></th> <th>SOL</th> <th>EOL</th> </tr> </thead> <tbody> <tr><td>Feather</td><td>-29.9°</td><td>0.4°</td></tr> <tr><td>RMS Noise, µB</td><td>0.0</td><td>4.6</td></tr> <tr><td>Source Vol</td><td>2360</td><td>2360</td></tr> <tr><td>Pressure</td><td>1977</td><td>1968</td></tr> <tr><td>Wind, kt</td><td>SE 15</td><td>SE 15</td></tr> <tr><td>Swell, m</td><td>1</td><td>1</td></tr> <tr><td>Swell Dir</td><td>E</td><td>E</td></tr> <tr><td>Tape</td><td>109</td><td>109</td></tr> </tbody> </table>			SOL	EOL	Feather	-29.9°	0.4°	RMS Noise, µB	0.0	4.6	Source Vol	2360	2360	Pressure	1977	1968	Wind, kt	SE 15	SE 15	Swell, m	1	1	Swell Dir	E	E	Tape	109	109
	Time	File	SP																																																											
FSP	6:58	981	982																																																											
FGSP	7:15	1150	1151																																																											
FCSP	7:15	1150	1151																																																											
LFFSP	22:42	10315	10316																																																											
LGSP	22:56	10451	10452																																																											
LSP	22:56	10453	10454																																																											
	SOL	EOL																																																												
Feather	-29.9°	0.4°																																																												
RMS Noise, µB	0.0	4.6																																																												
Source Vol	2360	2360																																																												
Pressure	1977	1968																																																												
Wind, kt	SE 15	SE 15																																																												
Swell, m	1	1																																																												
Swell Dir	E	E																																																												
Tape	109	109																																																												
Line comments 1. Gun 2-4 Enabled & Gun 2-3 Disabled at SOL; Effective Volume = 2360 Cu inches, DT 2-2 - intermittent																																																														
Source		Depth 6 m		Shot interval 18.75		Traces																																																								
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		<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																																								
	Noisy	Weak	Dead	Comments																																																										
Channel No.	393																																																													
	184																																																													
	64																																																													
Delta errors 1.00 mS @ SP																																																														
Misfires @ SP																																																														
Autofires @ SP																																																														
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 an NRP (Narrow Range Processor) at the left end. A distance of 46.96m leads to the COS (Control and Observation Station). From COS, the streamer extends to the right. Sub Array #1 and Sub Array #2 are positioned 10m above and below the main line. The main line consists of a 106.0m rGPS section, followed by a 113.68m Promax result section, then a 5089.54m nominal section, and finally an 86.0m section ending at the TailBuoy. The TailBuoy is 30.9m from the end of the 86.0m section. The streamer is labeled as 'Active Streamer' and includes components like CNG R001 and CFG R408.</p>																																																														

Client:	DPI		Prospect:		Southern Flank 2D				Line No:	DPISF-S16-P1086		
Line Details									Date:		02 Apr 10	
Time	SP	File	Reel	Error	Comments				RMS Noise	W/Depth	Feather	
UTC									μB	m	°	
6:25					Gun Arrays Soft Start.							
6:55					Soft Start Complete.							
					Noise Test	Note: Noise Tests not taken due to streamer being in a turn and excessive noise.						
					Noise Test							
6:58	982	981	109		FSP, BOT [Please note the mismatch (difference of 1) with the Shotpoint # and the File #]					23.2	-72.7	
7:15	1151	1150			FGSP, FCSP, SOL [Streamer in turn; Feather Angle < 30°]				6.9	24.2	-29.9°	
7:41	1418	1417			Feather Angle < 15° (Port)				6.2	31.3	-14.9°	
9:46	2697	2696			Feather Angle < 10° (Port)				5.0	-57.1	-9.9°	
12:55	4549	4548			FA > 10°						10.1°	
14:12	5291	5290			Max FA 16.1°						16.1°	
16:16	6479	6478			FA < 15°						14.9°	
16:36	6677	6676			FA < 10°						9.9°	
18:28	7793	7792			FA > -10°						-10.1°	
19:07	8186	8185			FA > -15°						-15.1°	
19:34	8463	8462			Max FA -16.6°						-16.6°	
20:10	8820	8819			FA < -15°						-14.9°	
21:00	9319	9318			FA < -10°						-9.9°	
	8320	8319			Slight swell noise appeared on streamer							
	9173	9172			SP's 9173-9177 - last 400ms of records affected by next SP							
	9550	9549			Swell noise disappeared							
22:42	10316	10315			LFFSP					38.7	0.7°	
22:56	10452	10451			LGSP					41.4	0.4°	
22:56	10454	10453			LSP. EOL							
		10454			Noise Test				4.6			
		10455	109		Noise Test, EOT				4.8			
				☑	Cross checked with Navigation							
					LINE COMPLETE							