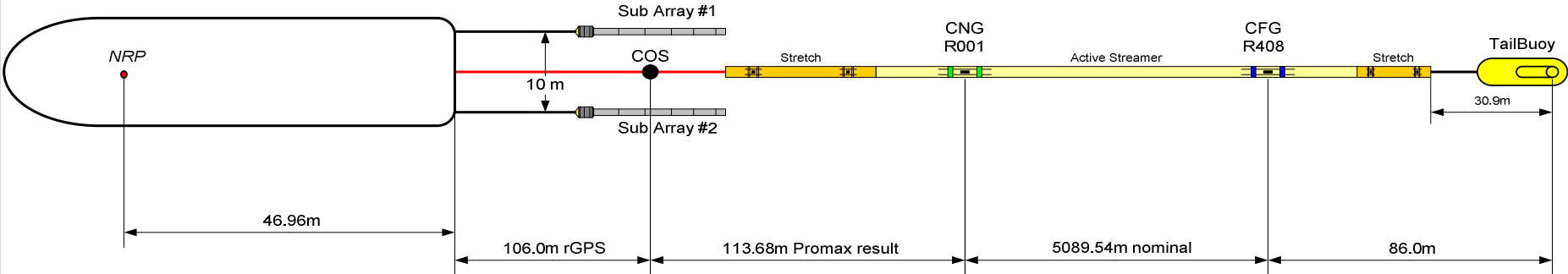
 <p>SeaBird Exploration M/V Aquila Explorer</p>		<h1 style="text-align: center;">OBSERVERS LOG</h1>				<b>SEQ# 060</b>	
				<b>Line status</b>		<b>COMPLETE</b>	
<b>Client:</b>	<b>DPI</b>	<b>Prospect:</b>	<b>Southern Flank 2D</b>		<b>Line No:</b>	<b>DPI SF-052-P2060</b>	
<b>Party Chief:</b>		<b>Grame Marsden</b>		<b>Observers:</b>		<b>12:00-00:00 GR GM; 00:00-12:00 ES RK</b>	
				<b>Date:</b>		<b>22-Mar-10</b>	
<b>Recording Parameters</b>		<b>Recording Details</b>		<b>Line statistics</b>		<b>Heading</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		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: <b>9 m</b>		Time: 20:29 File: 5545 SP: 5545 <b>FSP</b> 20:29 5545 5545 <b>FGSP</b> 20:32 5525 5525 <b>FCSP</b> 20:48 5389 5389 <b>LFFSP</b> 5:47 1004 1001 <b>LGSP</b> 6:04 868 865 <b>LSP</b> 6:04 866 863		<b>224.0°</b> <b>SOL</b> <b>EOL</b>	
				<b>Line comments</b>  Bird 1-3 sometimes unstable d/t bad weather.  Streamer set to 9m as requested by client d/t rough seas.		Feather: -4.0° 1.0° RMS Noise, µB: 11.0 20.1 Source Vol: 2360 2360 Pressure: 1980 2011 Wind, kt: SW 35 SW 35 Swell, m: 3-4 4 Swell Dir: SW SW Tape: 71 71	
<b>Source</b>		<b>Depth</b>		<b>6 m</b>		<b>Shot interval</b>	
						<b>18.75</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>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>Traces</b>							
		<b>Noisy</b>		<b>Weak</b>		<b>Dead</b>	
<b>Channel No.</b>		393				<b>Comments</b>	
<b>Delta errors 1.00 mS @ SP</b>							
<b>Misfires @ SP</b>							
<b>Autofires @ SP</b>							
<b>Other</b>		<b>Only true errors will be logged. Ignore any other errors from Gunlink</b>					
							

Client:	DPI		Prospect:		Southern Flank 2D				Line No:	DPISF-052-P2060		
Line Details									Date:	22 Mar 10		
Time	SP	File	Reel	Error	Comments				RMS Noise	W/Depth	Feather	
UTC									μB	m	°	
19:44					Gun Arrays Soft Start.							
20:19					Soft Start Complete.							
		5547	71		Noise Test, BOT				12.0			
		5546			Noise Test. Swell noise present on streamer				11.0			
20:29	5545	5545			FSP [Note: Up to 25% of traces affected by swell noise with >25μbar]							
20:32	5525	5525			FGSP, SOL					424	-4.0°	
20:48	5389	5389			FCSP							
	4236	4236			Bad SP, affected by next shot							
	4235				Missed SP d/t navigation (too short time between shots)							
	4234	4235			Missmatch d/t missed SP, [Good SP]							
23:59	3929	3930			Midnight SP (UTC)							
	3778	3779			Bad SP, affected by next shot							
	3777				Missed SP d/t navigation (too short time between shots)							
	3776	3778			Missmatch d/t missed SP, [Good SP]							
1:43	3062	3064			Feather Angle > 10°				12.9	47.8	10.1°	
1:50	3000	3002			Update on Swell Noise: Depending on the shot, 8 - 25% of the traces affected with ≥ 25 μB with an overall average of approx. 15%; 8 Hz LC filter utilized				14.5	47.6	10.2°	
3:18	2287	2287			Maximum Feather Angle					45.95	12.5°	
3:52	2000	2002			Update on Swell Noise: Depending on the shot, 9 - 25% of the traces affected with ≥ 25 μB with an overall average of approx. 16% (so, basically the same); 8 Hz LC filter utilized				16.4	45.4	11.4°	
4:14	1810	1812			Feather Angle < 10°				19.8	45.6	9.9°	
	1097	1099			Bad SP, affected by next shot							
	1096				Missed SP d/t navigation (too short time between shots)							
	1095	1098			Missmatch d/t missed SP, [Good SP]							
5:47	1001	1004			LFFSP				13.9	46.5	2.7°	
5:48	1000	1003			Update on Swell Noise: Increasing, depending on the shot 10 - 32% of the traces affected with ≥ 25 μB with an overall average of approx. 15%; 8 Hz LC filter utilized				10.7	46.5	2.8°	
6:04	865	868			LGSP				22.9	48.4	1.0°	
6:04	863	866			LSP. EOL				24.1	47.1		
		865			Noise Test				25.6			
		864	71		Noise Test, EOT				20.1			
				☑	Cross checked with Navigation							

Client:	DPI	Prospect:	Southern Flank 2D					Line No:	DPISF-052-P2060			
Line Details									Date:	22 Mar 10		
					LINE COMPLETE							