

Seq# 003		Line Name: MGL1903MC02		NAVIGATION		DATE: 2019-06-10		Lamont-Doherty Earth Observatory COLUMBIA UNIVERSITY EARTH INSTITUTE													
		Line Brg : 335.657 °		LINE LOGS		JULIAN DAY: 161															
		CLIENT: NSF - Abers/Becel		SURVEY: AACSE Kodiak																	
DC SOL : -29.4 m		DEPTH SOL : 4027.5 m		NAVIGATION SYSTEM USED: C-Nav3050 - Primary																	
DC EOL : -794.6 m		DEPTH EOL : 145.5 m		NAVIGATION SYSTEM USED: SeaPath 200																	
BSP SOL: 4.5 kts		FEATHER SOL: 34.3 °		NAVIGATION SYSTEM USED: C-Nav2000																	
BSP EOL: 5.5 kts		FEATHER EOL: 02.4 °		NAVIGATION SYSTEM USED: POSMV																	
WEATHER		MAX FEATHER: 34.3 °		GRAVITY METER: BMG-II: used, SN213																	
WIND SOL: NE 24.2 kts				MAGNETOMETER: GeoMetrics: used																	
WIND EOL: NE 31 kts		shift hours		watch personnel		shift hours		watch personnel													
SEAS SOL: 1.5 m		12:00 - 24:00		Alan Thompson		00:00 - 12:00		Chris Abdouch													
SEAS EOL: 2.0 m						06:00-18:00		Dave Martinson													
SP	UTC	EVENT	COMMENTS			VESSEL POSITION															
3020	3:04	SOL	Start of line - 400m shot spacing			Shotpoints Latitude (N / +) Longitude (W / +)															
3493	0:00	Midnight	11 June 2019			FSP	3020	55° 06' 22.285"	151° 46' 10.620"												
3496	0:08	EOL	Line Complete			LSP	3496	56° 39' 15.300"	153° 03' 45.160"												
						<table border="1" style="margin: auto;"> <tr><th colspan="2">NAVIGATION OFFSET APPLIED</th></tr> <tr><td>NRP - Stern</td><td>29.5m</td></tr> <tr><td>NRP - COS</td><td>230.0m</td></tr> <tr><td>NRP - CNG</td><td>421.70m</td></tr> <tr><td>COS - CNG</td><td>191.70m</td></tr> <tr><td>NRP - CMP</td><td>325.90m</td></tr> </table>				NAVIGATION OFFSET APPLIED		NRP - Stern	29.5m	NRP - COS	230.0m	NRP - CNG	421.70m	COS - CNG	191.70m	NRP - CMP	325.90m
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Posnet locations & remarks: good - none - intermittent		acoustics																			
Tailbuoy #1	Good	Gun string #1	GOOD	None																	
Tailbuoy #2	none	Gun string #2	Failed	None																	
Tailbuoy #3	none	Gun string #3	none	None																	
Tailbuoy #4	none	Gun string #4	Good	None																	
						SP spacing: 400m															
						line status:		Complete													

Seq# 018		Line Name: MGL1903OT09		NAVIGATION		DATE: 2019-06-19		Lamont-Doherty Earth Observatory COLUMBIA UNIVERSITY EARTH INSTITUTE	
		Line Brg : 242.272 °		LINE LOGS		JULIAN DAY: 170			
		CLIENT: NSF - Abers/Becel		SURVEY: AACSE Kodiak					
DC SOL : 439.1 m		DEPTH SOL : 4651.6 m		NAVIGATION SYSTEM USED: C-Nav3050 - Primary					
DC EOL : 758.0 m		DEPTH EOL : 4607.8 m		NAVIGATION SYSTEM USED: SeaPath 200					
BSP SOL: 5.1 kts		FEATHER SOL: N/A		NAVIGATION SYSTEM USED: C-Nav2000					
BSP EOL: 5.3 kts		FEATHER EOL: N/A		NAVIGATION SYSTEM USED: POSMV					
WEATHER		MAX FEATHER: N/A		GRAVITY METER: BMG-II: used, SN213					
WIND SOL: W 17.6 kts				MAGNETOMETER: GeoMetrics: used					
WIND EOL: W 18 kts		shift hours		watch personnel		shift hours		watch personnel	
SEAS SOL: 1.0 m		12:00 - 24:00		Alan Thompson		00:00 - 12:00		Chris Abdouch	
SEAS EOL: 1.0 m						06:00-18:00		Dave Martinson	
SP	UTC	EVENT	COMMENTS			VESSEL POSITION			
18003	5:44	SOL	Start of line - 400m shot spacing (Source Only)						
						Shotpoints Latitude (N / +) Longitude (W / +)			
						FSP	18003	54° 06' 19.883"	155° 03' 59.821"
18084	9:05	EOL				LSP	18084	53° 58' 18.325"	155° 30' 21.209"
						NAVIGATION OFFSET APPLIED			
						NRP - Stern	29.5m		
						NRP - COS	230.0m		
						NRP - CNG	N/A		
						COS - CNG	N/A		
						NRP - CMP	N/A		
Posnet locations & remarks: good - none - intermittent				acoustics					
Tailbuoy #1	none	Gun string #1	GOOD	None					
Tailbuoy #2	none	Gun string #2	Failed	None					
Tailbuoy #3	none	Gun string #3	none	None					
Tailbuoy #4	none	Gun string #4	Good	None					
						SP spacing: 400m			
						line status:		Complete	

