

Cruise: MGL1305

Date: 9/Apr/13

Reporter: DMM

Daily Report

Midnight Position / Info

deg min
Lat: 32° 022.711 N
Lon: 64° 040.872 W
Speed over Ground: 00.00kt
Heading: 246°
Water Depth: 011.0
Midnight SP: n/a
Wind: calm **Seas:** calm

Current Equipment Deployed

All Equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Pierside in St. George, Bermuda. Science crew arrived today. Mobilization underway for MGL1305.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	40.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	90.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	0.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	25.00%	Acoustic configuration	75.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	15.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	50.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

Plan for Tomorrow

Posted departure time of 9 am. Crew safety orientation at 10 am. IHA call scheduled for 1300 EDT.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 0.000 Sail km

Time Breakdown:

Production 0:00
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 0:00
External Downtime 0:00
OBS Rosette Drop Test 0:00
OBS Deployment 0:00
OBS Recovery 0:00
CTD Cast 0:00
Gravity Core 0:00
Piston Core 0:00
Multi Core 0:00
Sonar Survey 0:00

Port Call 24:00
Transit 0:00

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 0:00

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

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Technical Staff Onboard:

All Equipment onboard

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Navigation - Nigel Crane

Sr. Gun Mechanic - Tom Spoto

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Spectra3 Setup	100.00%	N5S config	80.00%
Sprint Setup	50.00%	STU tensions to display	100.00%

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Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist · Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	0:00
<i>Streamer</i>	0:00
<i>Air Compressor</i>	0:00

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

Ryuta Arai
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EM122 Upgrade	0.00%	fserve setup	90.00%
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Wide Tow Load Cell Cal	0.00%	Wave tensions to displays	100.00%
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Spectra3 Setup	100.00%	N5S config	80.00%
Sprint Setup	50.00%	STU tensions to display	100.00%

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Chief Scientist · Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	0:00
<i>Streamer</i>	0:00
<i>Air Compressor</i>	0:00

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

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EM122 Upgrade	0.00%	fserve setup	90.00%
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Spectra3 Setup	100.00%	N55 config	80.00%
Sprint Setup	50.00%	STU tensions to display	100.00%

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Science Party:

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	0:00
<i>Streamer</i>	0:00
<i>Air Compressor</i>	0:00

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

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Cruise: MGL1305

Date: 15/Apr/13

Reporter: DMM

Daily Report

Midnight Position / Info

Lat: 34° 059.458 N
Lon: 43° 036.949 W

Speed over Ground: 11.60kt
Heading: 82°

Water Depth: 4378.0
Midnight SP: n/a

Wind: NW 10 Seas: 1-2 m

Current Equipment Deployed

All Equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
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Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Langseth began the day in transit to work site. At 15:20 UTC and acoustic was done to test the acoustic releases that did not pass on the first casts. Cast was concluded at 17:05 UTC. Langseth resumed transt.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	40.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	90.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	0.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	25.00%	Acoustic configuration	75.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	15.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	50.00%	STU tensions to display	100.00%

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Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

Plan for Tomorrow

Transit.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 0.000 Sail km

Time Breakdown:

Production 0:00
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 0:00
External Downtime 0:00
OBS Rosette Drop Test 1:45
OBS Deployment 0:00
OBS Recovery 0:00
CTD Cast 0:00
Gravity Core 0:00
Piston Core 0:00
Multi Core 0:00
Sonar Survey 0:00

Port Call 0:00
Transit 22:15

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 0:00

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

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[illegible]

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All Equipment onboard

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Navigation - Mike Martello
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Gun CTX rigging	40.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	serve setup	90.00%
DIGIRange LPU Install	90.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	0.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	25.00%	Acoustic configuration	75.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	15.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	N55 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

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Science Party:

Technical Downtime:	
<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	0:00
<i>Streamer</i>	0:00
<i>Air Compressor</i>	0:00
Total: 0:00	

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

Total: 0:00

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:
Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

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Total: 24:00

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Gun Mechanic - Josh Kasinger

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Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

Ryuta Arai
Michelle Paulatto
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[illegible]

[illegible]

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Science Party:

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

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OBS Technicians

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PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

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[illegible]



Cruise: MGL1305

Date: 25/Apr/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	37° 027.398	N
Lon:	30° 059.406	W

Speed over Ground: 00.00kt

Heading: 37°

Water Depth: 1028.0

Midnight SP: N/A

Current Equipment Deployed

All Equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Langseth standing by for weather. At 1913 UTC, Langseth began transiting back to work site.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	40.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Riggig	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	90.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	0.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	25.00%	Acoustic configuration	75.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	15.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	50.00%	STU tensions to display	100.00%

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Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Continue to monitor weather conditions in work area and standby for weather.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Time Breakdown:

<i>Production</i>	0:00
<i>Line Change</i>	0:00
<i>Weather Downtime</i>	24:00
<i>Technical Downtime</i>	0:00
<i>External Downtime</i>	0:00

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Air Compressor	0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 0.000 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 0:00

Total: 0:00

[illegible]

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Chirs McHugh

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

[illegible]



Cruise: MGL1305

Date: 27/Apr/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 038.743	N
Lon:	33° 047.246	W

Speed over Ground: 01.00kt
Heading: 39°

Current Equipment Deployed

Source
Magenetometer
PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Standby for weather until 0755 UTC. Guns deployment began at 0755 UTC, completed at 0931 UTC. MGL1305OBS12 started at 1103 UTC, completed at 2107 UTC. MGL1305OBS12T started at 2115 UTC, completed at 2133 UTC. MGL1305OBS13 started at 2141 UTC.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Riggig	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	90.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	90.00%	STU tensions to display	100.00%

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Phil Thai

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Plan for Tomorrow

Continue OBS shooting plan.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Time Breakdown:

Production	12:41
Line Change	1:48
Weather Downtime	7:55
Technical Downtime	1:36
External Downtime	0:00

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	1:36
Streamer	0:00
Air Compressor	0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total:	0.000 Sail km
---------------	----------------------

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 1:36

Total: 0:00

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Sr. Gun Mechanic - Tom Spoto

Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales
Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

External Downtime:

Mitigation / PAM 0:00

Maneuvering 0:00

Fishing Gear 0:00

Total: 0:00

Total: 0:00

Total: 24:00

Time Breakdown				PRIME			INFILL			RESHOOT					
	Time	Amount of Time	Event	FSP	LSP	Total SP	Sail Line KM	FSP	LSP	Total	Sail Line KM	FSP	LSP	Total	Sail Line KM
0:00	0:00	0:00	OBS recovery												
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
0:00	0:00	0:00													
Production Line Change				Total Time			Prime				Infill				Reshoot
0:00	0:00			0:00		Sail	0.000			Sail	0.000			Sail	0.000
Source	Streamer			Total Sail Line KM											
0:00				0.000											
Transit	Port Call	Sonar													
0:00		0:00													
MMO/PAM DT															
0:00															



Cruise: MGL1305

Date: 3/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 007.446	N
Lon:	34° 004.198	W

Speed over Ground: 03.00kt
Heading: 247°

Current Equipment Deployed

Streamer being deployed

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Completed OBS recovery at 1605 UTC. Began OBS deployment at 1714 UTC, completed at 2031 UTC. Begin streamer deployment at 2035 UTC.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	90.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	90.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

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Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Complete streamer deployment, deploy guns and begin MCS acquisition.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Time Breakdown:

Production	0:00
Line Change	0:00
Weather Downtime	0:00
Technical Downtime	3:25
External Downtime	1:13

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	0:00
Streamer	3:25
Air Compressor	0:00

External Downtime:

Mitigation / PAM	0:00
Maneuvering	1:13
Ship Repair	0:00
Fishing Gear	0:00

Total: 0.000 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	3:17
<i>OBS Recovery</i>	16:05
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 3:25

Total: 1:13

[illegible]

Technical Staff Onboard:

Ch. Science Officer - David Martinson
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Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Sr. Gun Mechanic - Tom Spoto

Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	1:42
<i>Streamer</i>	8:20
<i>Air Compressor</i>	0:00

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	1:10
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

[illegible]



Cruise: MGL1305

Date: 5/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 029.243	N
Lon:	33° 032.922	W

Speed over Ground: 05.28kt
Heading: 319°

Current Equipment Deployed

8 kilometer streamer
6600 in3 source

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

MGL1305MCS102 started at 0014 UTC, completed at 0859 UTC. Extended line change by 2 hours to facilitate compressor maintenance. MGL1305MCS103 started at 1145 UTC, completed at 2327 UTC. Vessel in line change to end of day.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Riggig	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Continue MCS acquisition.

Time Analysis

MCS Production:

Prime: 180.413 Sail km

Time Breakdown:

Production 20:37
Line Change 1:23

<i>Weather Downtime</i>	0:00
<i>Technical Downtime</i>	2:00
<i>External Downtime</i>	0:00

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Air Compressor	2:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 180.413 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 2:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 2:00

Total: 0:00

[illegible]



Cruise: MGL1305

Date: 6/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 030.377	N
Lon:	33° 035.458	W

Speed over Ground: 04.60kt
Heading: 236°

Current Equipment Deployed

8 kilometer streamer
6600 in3 source

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Langseth began the day completing a line change. MGL1305MCS104 started at 0004 UTC, completed at 0939 UTC. MGL1305MCS105 started at 1052 UTC, completed at 2143 UTC. MGL1305MCS106 started at 2225 UTC.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
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Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Continue MCS acquisition.

Time Analysis

MCS Production:
Prime: 178.725 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 178.725 Sail km

Time Breakdown:

Production	22:01
Line Change	1:59
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 0:00

[illegible]

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Sr. Gun Mechanic - Tom Spoto

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Gun Mechanic - Carlos Gutierrez
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Chief Scientist : Pablo Canales
Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

PSOs:

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	0:00
<i>Streamer</i>	0:00
<i>Air Compressor</i>	0:00

External Downtime:

<i>Mitigation / PAM</i>	0:00
<i>Maneuvering</i>	0:00
<i>Ship Repair</i>	0:00
<i>Fishing Gear</i>	0:00

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Total: 0:00

Total: 24:00

[illegible]



Cruise: MGL1305

Date: 8/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 018.555	N
Lon:	33° 032.233	W

Speed over Ground: 04.20kt
Heading: 205°

Current Equipment Deployed

8 kilometer streamer
6600 in3 source

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

On line MGL1305MCS107T at 0000 UTC, completed at 0230 UTC.
MGL1305MCS108 started at 0238 UTC, completed at 0731 UTC.
MGL1305MCS109 started at 0913 UTC, completed at 1432
UTC. MGL1305MCS110 started at 1624 UTC, completed at 2103 UTC.
MGL1305MCS111 started at 2242 UTC.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

Plan for Tomorrow

Continue MCS acquisition.

Time Analysis

MCS Production:

Prime: 156.225 Sail km

Time Breakdown:

Production	16:09
Line Change	7:51
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Total: 156.225 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Total: 0:00

Total: 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

[illegible]

[illegible]

[illegible]



Cruise: MGL1305

Date: 11/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 009.546	N
Lon:	33° 053.371	W

Speed over Ground: 04.40kt
Heading: 123°

Current Equipment Deployed

8 kilometer streamer
6600 in3 source

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

On line MGL1305MCS117 at 0000 UTC, completed at 0124 UTC. Extend line change for gun maintenance. MGL1305MCS118 started at 0528 UTC, completed at 1008 UTC. MGL1305MCS119 started at 1154 UTC, completed at 1735 UTC. MGL1305MCS119T started at 1805 UTC, completed at 1851 UTC. MGL1305MCS119T2 started at 1908 UTC, completed at 2053 UTC. MGL1305MCS122 started at 2109 UTC.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to displav	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

Plan for Tomorrow

Continue MCS acquisition.

Time Analysis

MCS Production:

Prime: 148.225 Sail km

Time Breakdown:

Production	17:07
Line Change	3:53
Weather Downtime	0:00
Technical Downtime	3:00
External Downtime	0:00

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	3:00
Streamer	0:00
Air Compressor	0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 3:00

Total: 0:00

[illegible]



Cruise: MGL1305

Date: 12/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 010.106	N
Lon:	33° 049.589	W

Speed over Ground: 04.10kt
Heading: 223°

Current Equipment Deployed

8 kilometer streamer
6600 in3 source

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

On line MGL1305MCS122 at 0000 UTC, completed at 0300 UTC.
MGL1305MCS123 started at 0418 UTC, completed at 0944 UTC.
MGL1305MCS123T started at 1115 UTC, completed at 1220 UTC.
MGL1305MCS115R started at 1224 UTC, completed at 1417 UTC.
MGL1305MCS110R started at 1555 UTC, completed at 1757 UTC.
MGL1305MCS113R started at 1923 UTC.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Riggig	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

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Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Complete MCS acquisition.

Time Analysis

MCS Production:

Prime: 151.275 Sail km

Time Breakdown:

Production	18:03
Line Change	5:57
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Air Compressor	0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 151.275 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 0:00

Total: 0:00

[illegible]



Cruise: MGL1305

Date: 13/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 004.786	N
Lon:	33° 019.357	W

Speed over Ground: 03.80kt
Heading: 127°

Current Equipment Deployed

All equipment on board

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

On line MGL1305MCS113R at 0000 UTC, completed at 0042 UTC. Begin source retrieval at 0105 UTC, completed at 0214 UTC. Begin streamer retrieval at 0223 UTC, completed at 0644. Begin OBS recovery operations.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Continue OBS recovery operations.

Time Analysis

MCS Production:

Prime: 4.913 Sail km

Time Breakdown:

<i>Production</i>	0:42
<i>Line Change</i>	0:00
<i>Weather Downtime</i>	0:00
<i>Technical Downtime</i>	5:30
<i>External Downtime</i>	0:00

Technical Downtime:

Instrument Acquisition	0:00
Instrument Navigation	0:00
Hydraulics	0:00
Source	1:09
Streamer	4:21
Air Compressor	0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 4.913 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	17:48
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 5:30

Total: 0:00

[illegible]



Cruise: MGL1305

Date: 14/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 016.533	N
Lon:	33° 053.201	W

Speed over Ground: 01.00kt
Heading: 80°

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Complete OBS recovery operations at 1740 UTC. Begin OBS deployment and position survey operations.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

Co-Chief Scientist - Robert Dunn
Co-Chief Scientist - Steve Swift

Science Party:

Ryuta Arai
Michelle Paulatto
Greg Horning
Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

Plan for Tomorrow

Continue OBS deployment and position survey operations.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Time Breakdown:

<i>Production</i>	0:00
<i>Line Change</i>	0:00
<i>Weather Downtime</i>	0:00
<i>Technical Downtime</i>	0:00
<i>External Downtime</i>	0:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 0.000 Sail km

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	6:20
<i>OBS Recovery</i>	17:40
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Air Compressor 0:00

Port Call 0:00
Transit 0:00

Total: 24:00

Total: 0:00

Total: 0:00

[illegible]

Lamont-Doherty Earth Observatory

COLUMBIA UNIVERSITY | EARTH INSTITUTE

Cruise: MGL1305

Date: 15/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

deg min

Speed over Ground: 01.00kt

Lat: 36° 012.128 N

Heading: 87°

Lon: 33° 049.341 W

Wind: ENE 18

Seas: 2-3 m

Water Depth: 2212.0

Midnight SP: n/a

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson

Acq. Technician - Bern McKiernan

Acq. Technician - Klayton Curtis

Navigation - Mike Martello

Navigation - Nigel Crane

Sr. Gun Mechanic - Tom Spoto

Gun Mechanic - Robbie Gunn

Gun Mechanic - Carlos Gutierrez

Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

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Co-Chief Scientist - Steve Swift

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Greg Horning

Florent Szitkar

Maja Fabeta

Omar Benazzouz

Eva Kakone

Hannes Griesche

Chirs McHugh

OBS Technicians

Ernie Aaron

Mark Gibaud

Phil Thai

PSOs:

Stephanie Milne

Meghan Piercy

Dara Cameron

Leslie Curran

Katelyn Morrell

Daily Summary

Complete OBS deployment and position survey operations at 1942 UTC. Begin Multibeam survey.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Plan for Tomorrow

Complete Multibeam survey and begin transit to Ponta Delgada, Azores.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 0.000 Sail km

Time Breakdown:

Production 0:00

Line Change 0:00

Weather Downtime 0:00

Technical Downtime 0:00

External Downtime 0:00

OBS Rosette Drop Test 0:00

OBS Deployment 19:42

OBS Recovery 0:00

CTD Cast 0:00

Gravity Core 0:00

Piston Core 0:00

Multi Core 0:00

Sonar Survey 4:18

Port Call 0:00

Transit 0:00

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00

Instrument Navigation 0:00

Hydraulics 0:00

Source 0:00

Streamer 0:00

Air Compressor 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00

Maneuvering 0:00

Ship Repair 0:00

Fishing Gear 0:00

Total: 0:00

[illegible]



Cruise: MGL1305

Date: 16/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 020.091	N
Lon:	33° 008.243	W

Speed over Ground: 08.00kt
Heading: 50°

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Continue Multibeam survey.		Work List Items	Progress	Work List Items	Progress
		Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
		Baro 16 Rigging	50.00%	Display server repair	100.00%
		STU setup	100.00%	Reflex setup	0.00%
		POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
		EM122 Upgrade	0.00%	fserve setup	90.00%
		DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
		Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
		A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
		Spectra1 Setup	100.00%	Sawyer config	75.00%
		Spectra2 Setup	100.00%	Meraki config	85.00%
		Spectra3 Setup	100.00%	NS5 config	80.00%
		Sprint Setup	100.00%	STU tensions to display	100.00%

Plan for Tomorrow

Complete Multibeam survey and begin transit to Ponta Delgada, Azores.	
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Time Analysis

[illegible]

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

[illegible]



Cruise: MGL1305

Date: 17/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 058.185	N
Lon:	30° 044.566	W

Speed over Ground: 10.30kt
Heading: 80°

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Transit to Ponta Delgada, Azores		Work List Items	Progress	Work List Items	Progress
		Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
		Baro 16 Rigging	50.00%	Display server repair	100.00%
		STU setup	100.00%	Reflex setup	0.00%
		POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
		EM122 Upgrade	0.00%	fserve setup	90.00%
		DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
		Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
		A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
		Spectra1 Setup	100.00%	Sawyer config	75.00%
		Spectra2 Setup	100.00%	Meraki config	85.00%
		Spectra3 Setup	100.00%	NS5 config	80.00%
		Sprint Setup	100.00%	STU tensions to displav	100.00%

Plan for Tomorrow

Continue transit to Ponta Delgada, Azores.	
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Time Analysis

[illegible]

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

[illegible]



Cruise: MGL1305

Date: 18/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 059.554	N
Lon:	27° 042.324	W

Speed over Ground: 10.30kt
Heading: 80°

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Transit to Ponta Delgada, Azores		Work List Items	Progress	Work List Items	Progress
		Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
		Baro 16 Rigging	50.00%	Display server repair	100.00%
		STU setup	100.00%	Reflex setup	0.00%
		POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
		EM122 Upgrade	0.00%	fserve setup	90.00%
		DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
		Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
		A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
		Spectra1 Setup	100.00%	Sawyer config	75.00%
		Spectra2 Setup	100.00%	Meraki config	85.00%
		Spectra3 Setup	100.00%	NS5 config	80.00%
		Sprint Setup	100.00%	STU tensions to displav	100.00%

Plan for Tomorrow

Continue transit to Ponta Delgada, Azores.	
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Time Analysis

[illegible]

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

[illegible]



Cruise: MGL1305

Date: 19/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 059.554	N
Lon:	27° 042.324	W

Speed over Ground: 00.00kt
Heading: n/a

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Pierside, Ponta Delgada. Demob for Canales.		Work List Items	Progress	Work List Items	Progress
		Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
		Baro 16 Rigging	50.00%	Display server repair	100.00%
		STU setup	100.00%	Reflex setup	0.00%
		POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
		EM122 Upgrade	0.00%	fserve setup	90.00%
		DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
		Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
		A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
		Spectra1 Setup	100.00%	Sawyer config	75.00%
		Spectra2 Setup	100.00%	Meraki config	85.00%
		Spectra3 Setup	100.00%	NS5 config	80.00%
		Sprint Setup	100.00%	STU tensions to displav	100.00%

Plan for Tomorrow

Pierside, Ponta Delgada. Begin preparing for transit to Vigo, Spain.	
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Time Analysis

[illegible]

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

[illegible]



Cruise: MGL1305

Date: 20/May/13

Reporter: DMM

Daily Report

Midnight Position / Info

	deg min	
Lat:	36° 044.331	N
Lon:	25° 039.655	W

Speed over Ground: 00.00kt
Heading: n/a

Current Equipment Deployed

all equipment onboard

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Acq. Technician - Bern McKiernan
Acq. Technician - Klayton Curtis
Navigation - Mike Martello
Navigation - Nigel Crane

Daily Summary

Pierside, Ponta Delgada. Demob for Canales. Offload OBS units. Spool streamer sections off of wooden reels onto streamers 2 and 3. Prep work for lead-in change out. Sign off science party.

Work List Items	Progress	Work List Items	Progress
Gun CTX rigging	100.00%	Re-Term of Port Wide Tow	0.00%
Baro 16 Rigging	50.00%	Display server repair	100.00%
STU setup	100.00%	Reflex setup	0.00%
POS M/V install	100.00%	Proc1/Proc2 setup	90.00%
EM122 Upgrade	0.00%	fserve setup	90.00%
DIGIRange LPU Install	100.00%	alpha DNS updates	95.00%
Wide Tow Load Cell Cal	100.00%	Vane tensions to displays	100.00%
A-Frame Winch Install	100.00%	Acoustic configuration	100.00%
Spectra1 Setup	100.00%	Sawyer config	75.00%
Spectra2 Setup	100.00%	Meraki config	85.00%
Spectra3 Setup	100.00%	NS5 config	80.00%
Sprint Setup	100.00%	STU tensions to display	100.00%

Sr. Gun Mechanic - Tom Spoto
Gun Mechanic - Robbie Gunn
Gun Mechanic - Carlos Gutierrez
Gun Mechanic - Josh Kasinger

Chief Scientist : Pablo Canales

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Co-Chief Scientist - Steve Swift

Science Party:

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Florent Sztikar
Maja Fabeta
Omar Benazzouz
Eva Kakone
Hannes Griesche
Chirs McHugh

OBS Technicians

Ernie Aaron
Mark Gibaud
Phil Thai

Plan for Tomorrow

Pierside, Ponta Delgada. Begin preparing for transit to Vigo, Spain.

Time Analysis

MCS Production:

Prime: 0.000 Sail km

Time Breakdown:

Production	0:00
Line Change	0:00
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00

External Downtime:

Mitigation / PAM	0:00
Maneuvering	0:00
Ship Repair	0:00
Fishing Gear	0:00

PSOs:

Stephanie Milne
Meghan Piercy
Dara Cameron
Leslie Curran
Katelyn Morrell

<i>OBS Rosette Drop Test</i>	0:00
<i>OBS Deployment</i>	0:00
<i>OBS Recovery</i>	0:00
<i>CTD Cast</i>	0:00
<i>Gravity Core</i>	0:00
<i>Piston Core</i>	0:00
<i>Multi Core</i>	0:00
<i>Sonar Survey</i>	0:00

Port Call 24:00
Transit 0:00

Total: 24:00

Total: 0:00

Total: 0:00

[illegible]