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[illegible]

Total: 24:00

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Cruise: MGL1407

Date: 31/Aug/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	36° 015.341	N
Lon:	70° 006.370	W

Speed over Ground: 10.30kt

Heading: 93°

Water Depth: 4484.0

Midnight SP: n/a

Current Equipment Deployed

none

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Deploy streamer, guns, magnetometer, and Pam. Begin acquisition of MGL1407MCS03B.

Systems Status

Nav	New acquisition plan configured.
IT	Standard maintenance in progress.
ACQ	Update of layout sheets and other deployment notes.
Source	Inventory of failed GCMs to determine which could be pressed into service.
Misc	General cleanup and organization of lab spaces. OBSIP processing done on line by line basis.
Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS03B. Begin acquisition of MGL1407MCS07.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	20.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 685.951 Sail km

Time Breakdown:

Production	12:54
Line Change	0:00
Weather Downtime	0:00
Technical Downtime	10:30
External Downtime	0:36

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	3:15
<i>Streamer</i>	6:52
<i>Air Compressor</i>	0:00
<i>Mag, PAM, etc.</i>	0:23

External Downtime:

Mitigation / PAM 0:36
Maneuvering 0:00
Ship Repair 0:00
Fishing Gear 0:00

Total: 685.951 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

Port Call 0:00
Transit 0:00

Total: 10:30

Total: 0:36

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 1/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	35° 052.637	N
Lon:	68° 042.306	W

Speed over Ground: 03.10kt

Heading: 138°

Water Depth: 4817.0

Midnight SP: 36932

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Complete acquisition of MGL1407MCS03B. Begin acquisition of MGL1407MCS07	Nav	Standard OPS. Navigation processing training in progress. Reconfigured sonobuoy trigger to "time zero" and controlled by Spectra.
	IT	Standard maintenance in progress. System admin work in progress. Ongoing data archival in progress.
	ACQ	Standard OPS.
	Source	Getting GCM reconfigure plan in place to provide some spare GCMs. Will be implemented on the next retrieval for maintenance.
	Misc	Changed GPS feed to PAM station and Sonobuoy station to Cnav 3050.
	Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS07. Begin acquisition of MGL1407MCS08.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 864.151 Sail km

Time Breakdown:

Production	23:55
Line Change	0:05
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 864.151 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00



Cruise: MGL1407

Date: 2/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	36° 041.327	N
Lon:	67° 050.554	W

Speed over Ground: 04.20kt

Heading: 48°

Water Depth: 5020.0

Midnight SP: 43148

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Complete acquisition of MGL1407MCS07. Begin acquisition of MGL1407MCS08.

Nav	Changed operating limits to maximum 4.8 over ground or 4000 lbs tension d/t increasing current.
IT	Standard maintenance in progress. System admin work in progress. Ongoing data archival in progress.
ACQ	Record length changed to 18 seconds to increase acquisition speed once we are free of the gulf stream.
Source	Gun volume still at 6600, but most spares have been utilized. One gun array will come up at a time for maintenance in the next day or so.
Misc	Respool tag lines to free up spider reel to use for new stretch currently on badly degraded wooden reel.
Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS08. Begin acquisition of MGL1407MCS06A.

Work List Items	Progress	Work List Items	Progress
Science NS5	20.00%	ASVP procedure	100.00%
Firewall updates	60.00%	MX80 access procedure	0.00%
Sprint processing	90.00%	PepLink install	80.00%
Sprint training	50.00%	OBSIP processing	100.00%
Data Archival	30.00%		
Streamer maintenance	100.00%		
Bird repair	100.00%		
WX station upgrade	90.00%		
Camera expansion	0.00%		
Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 1040.901 Sail km

Time Breakdown:

Production	23:55
Line Change	0:05
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 1040.901 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00



Cruise: MGL1407

Date: 3/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	37° 041.989	N
Lon:	65° 046.127	W

Speed over Ground: 04.20kt

Heading: 324°

Water Depth: 4907.0

Midnight SP: 47271

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Complete acquisition of MGL1407MCS08. Begin acquisition of MGL1407MCS06A.

Nav	Changed operating limits to maximum 4.8 over ground or 4000 lbs tension d/t increasing current.
IT	Standard maintenance in progress. System admin work in progress. Ongoing data archival in progress.
ACQ	Record length changed to 18 seconds to increase acquisition speed once we are free of the gulf stream.
Source	Gun volume still at 6600, but most spares have been utilized. One gun array will come up at a time for maintenance in the next day or so.
Misc	Respool tag lines to free up spider reel to use for new stretch currently on badly degraded wooder reel.
Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS06A. Begin acquisition of MGL1407MCS09. Potential source maintenance.

Work List Items	Progress	Work List Items	Progress
Science NS5	20.00%	ASVP procedure	100.00%
Firewall updates	60.00%	MX80 access procedure	0.00%
Sprint processing	90.00%	PepLink install	80.00%
Sprint training	50.00%	OBSIP processing	100.00%
Data Archival	30.00%		
Streamer maintenance	100.00%		
Bird repair	100.00%		
WX station upgrade	90.00%		
Camera expansion	0.00%		
Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 1176.701 Sail km

Time Breakdown:

Production	23:58
Line Change	0:02
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 1176.701 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 4/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	37° 017.330	N
Lon:	67° 006.495	W

Speed over Ground: 03.30kt

Heading: 247°

Water Depth: 4933.0

Midnight SP: 57260

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Complete acquisition of MGL1407MCS06A. Begin acquisition of MGL1407MCS09.

Nav	Configured Spectra for newest shooting plan that incorporates a better approach angle over some wells.
IT	Standard maintenance in progress. System admin work in progress. Ongoing data archival in progress.
ACQ	Record length changed to 18 seconds to increase acquisition speed once we are free of the gulf stream.
Source	Gun maintenance planned for strings 2 & 3 on late Sept 5th early Sept 6th.
Misc	Respool tag lines to free up spider reel to use for new stretch currently on badly degraded wooden reel.
Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS09. Acquire MGL1407MCS10A. Acquire MGL1407MCS10B. Begin acquisition of MGL140710C.

Work List Items	Progress	Work List Items	Progress
Science NS5	20.00%	ASVP procedure	100.00%
Firewall updates	60.00%	MX80 access procedure	0.00%
Sprint processing	90.00%	PepLink install	80.00%
Sprint training	50.00%	OBSIP processing	100.00%
Data Archival	30.00%		
Streamer maintenance	100.00%		
Bird repair	100.00%		
WX station upgrade	90.00%		
Camera expansion	0.00%		
Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 1373.401 Sail km

Time Breakdown:

Production	23:58
Line Change	0:02
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 1373.401 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 5/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	36° 025.488	N
Lon:	69° 059.304	W

Speed over Ground: 04.80kt

Heading: 257°

Water Depth: 4541.0

Midnight SP: 62129

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Complete acquisition of MGL1407MCS09. Acquire MGL1407MCS10A. Acquire MGL1407MCS10B. Begin acquisition of MGL140710C.

Systems Status

Nav	Spectra will be reconfigured at end of current line to reflect newest acquisition plan.
IT	Troubleshooting HSN problems with locking onto the wrong signal.
ACQ	Record length changed to 18 seconds to increase acquisition speed once we are free of the gulf stream.
Source	Gun maintenance planned for strings 2 & 3 late on Sept 6th.
Misc	Starting preparation for port call. Packaging a making ready for shipping items and equipment no longer in use on this project.
Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS10C. With gain in speed, acquisition plan is being modified to obtain additional targets		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 1556.951 Sail km

Time Breakdown:

Production	23:52
Line Change	0:08
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 1556.951 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00

0:00



Cruise: MGL1407

Date: 6/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	35° 017.213	N
Lon:	70° 007.613	W

Speed over Ground: 04.80kt

Heading: 176°

Water Depth: 4823.0

Midnight SP: 69267

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Complete acquisition of MGL1407MCS10B. Acquire MGL1407MCS10C. Begin acquisition of MGL1407MCS11A. Perform source maintenance on gun string 3.	Nav	Reconfiguration of Spectra to reflect latest acquisition plan.
	IT	Still working on solution to frequent HSN dropouts.
	ACQ	Business as usual.
	Source	String 3 brought on board twice for repairs to resolve failing/failed communications. Replaced RCM-RCM-GCM jumper. Replaced first GCM with one from tail of string. Installed a partially failed GCM
	Misc	Starting preparation for port call. Packaging a making ready for shipping items and equipment no longer in use on this project.
	Science	Business as usual.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS11A. Begin acquisition of MGL1407MCS11B.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 1765.551 Sail km

Time Breakdown:

Production	23:38
Line Change	0:22
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 1765.551 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 7/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	33° 038.323	N
Lon:	71° 002.496	W

Speed over Ground: 04.60kt

Heading: 119°

Water Depth: 5356.3

Midnight SP: 74086

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Complete acquisition of MGL1407MCS11A. Begin acquisition of MGL1407MCS12A. Created a new survey "MGL1407B" for the EM122. Present survey exceeded the gridding capabilities of the EM122 workstation.

Systems Status

Nav	Spectra configuration complete. Having trouble with front end acoustics and problem is unresolved at this time.
IT	Still working on solution to frequent HSN dropouts. Changed a failing 2 TB disk in Jetstor disk array #3 which is currently being used by Proc1 & Proc 2.
ACQ	Business as usual.
Source	String 3 brought on board twice for repairs to resolve failing/failed communications. Replaced RCM RCM-GCM jumper. Replaced first GCM with one from tail of string. Installed a partially failed GCM
Misc	A little behind on Nav processing, it will be current by end of cruise.
Science	Paradigm has been contacted about "segmentation fault" errors when attempting to pick velocities on Proc 2.

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS12A. Begin acquisition of MGL1407MCS13.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 1971.551 Sail km

Time Breakdown:

Production	23:55
Line Change	0:05
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 1971.551 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00



Cruise: MGL1407

Date: 8/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	32° 023.297	N
Lon:	69° 053.201	W

Speed over Ground: 04.70kt

Heading: 193°

Water Depth: 5386.0

Midnight SP: 78297

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Complete acquisition of MGL1407MCS12A. Begin acquisition of MGL1407MCS12B. Gun string 3 retrieved for maintenance to repair air leak. Gun string 2 retrieved for inspection.

Systems Status

Nav	Front end acoustic issue resolved. GPS on gun string 3 failed.
IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
ACQ	Business as usual.
Source	String 3 brought on board to repair air leak. String 2 brought on board for inspection.
Misc	A little behind on Nav processing, it will be current by end of cruise.
Science	Paradigm has been contacted about "segmentation fault" errors when attempting to pick velocities on Proc 2. Still awaiting response. Data backup in progress

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS12B. Begin acquisition of MGL1407MCS13.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 2181.801 Sail km

Time Breakdown:

Production	23:53
Line Change	0:07
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 2181.801 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00



Cruise: MGL1407

Date: 9/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	30° 037.180	N
Lon:	70° 012.708	W

Speed over Ground: 04.50kt

Heading: 225°

Water Depth: 5423.0

Midnight SP: 83016

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Complete acquisition of MGL1407MCS13. Begin acquisition of MGL1407MCS14. Gun string 4 retrieved for maintenance to repair air leak. Dolphins entered the exclusion zone and source was powered down to a single 40 for 13 minutes. 24 shotpoints were lost.

Systems Status

Nav	Beginning close-out prep.
IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
ACQ	Syntrak reconfigured to make 8k streamer 6K electronically.
Source	String 4 brought on board to repair air leak.
Misc	A little behind on Nav processing, it will be current by end of cruise.
Science	Paradigm has been contacted about "segmentation fault" errors when attempting to pick velocities on Proc 2. Still awaiting response. Data backup in progress

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS14. Begin acquisition of MGL1407MCS15.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 2364.525 Sail km

Time Breakdown:

Production	23:35
Line Change	0:12
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:13

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 2364.525 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:13

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 10/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 31° 044.201 N
Lon: 72° 034.205 W

Speed over Ground: 04.60kt

Heading: 225°

Water Depth: 5366.0

Midnight SP: 88140

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Complete acquisition of MGL1407MCS14. Begin acquisition of MGL1407MCS15.

Nav	Beginning close-out prep.
IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
ACQ	Syntrak reconfigured to make 8k streamer 6K electronically.
Source	String 4 brought on board to repair air leak.
Misc	A little behind on Nav processing, it will be current by end of cruise.
Science	Paradigm has been contacted about "segmentation fault" errors when attempting to pick velocities on Proc 2. Still awaiting response. Data backup in progress

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete acquisition of MGL1407MCS15. Begin acquisition of MGL1407MCS16 (bonus data). Retrieve towed gear and begin transit to Norfolk.

Work List Items	Progress	Work List Items	Progress
Science NS5	20.00%	ASVP procedure	100.00%
Firewall updates	60.00%	MX80 access procedure	0.00%
Sprint processing	90.00%	PepLink install	80.00%
Sprint training	50.00%	OBSIP processing	100.00%
Data Archival	30.00%		
Streamer maintenance	100.00%		
Bird repair	100.00%		
WX station upgrade	90.00%		
Camera expansion	0.00%		
Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 2571.875 Sail km

Time Breakdown:

Production	23:56
Line Change	0:04
Weather Downtime	0:00
Technical Downtime	0:00
External Downtime	0:00

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
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 2571.875 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

Port Call 0:00
Transit 0:00

Total: 0:00

Total: 0:00

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 11/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 31° 044.201 N
Lon: 72° 034.205 W

Speed over Ground: 04.60kt

Heading: 225°

Water Depth: 5366.0

Midnight SP: 88140

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Complete acquisition of MGL1407MCS15. Acquire MGL1407MCS16. Retrieve Magnetometer and PAM. Retrieve source and begin streamer retrieval.

Systems Status

Nav	Beginning close-out prep.
IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
ACQ	Syntrak reconfigured to make 8k streamer 6K electronically.
Source	String 4 brought on board to repair air leak.
Misc	Nav processing up to date
Science	Paradigm has been contacted about "segmentation fault" errors when attempting to pick velocities on Proc 2. Still awaiting response. Data backup in progress

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Complete streamer recovery, do a small chirp survey and begin transit to Norfolk.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 2742.875 Sail km

Time Breakdown:

<i>Production</i>	19:48
<i>Line Change</i>	0:05
<i>Weather Downtime</i>	0:00
<i>Technical Downtime</i>	4:07
<i>External Downtime</i>	0:00

Technical Downtime:

<i>Instrument Acquisition</i>	0:00
<i>Instrument Navigation</i>	0:00
<i>Hydraulics</i>	0:00
<i>Source</i>	1:04
<i>Streamer</i>	2:36
<i>Air Compressor</i>	0:00
<i>Mag, PAM, etc.</i>	0:27

External Downtime:

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

Total: 2742.875 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

Port Call 0:00
Transit 0:00

Total: 4:07

Total: 0:00

Total: 24:00

[illegible]



Cruise: MGL1407

Date: 12/Sep/14

Reporter: DMM

Daily Report

Midnight Position / Info

0:00	deg min	
Lat:	32° 056.399	N
Lon:	76° 011.880	W

Speed over Ground: 00.70kt

Heading: 219°

Water Depth: 1761.0

Midnight SP: N/A

Current Equipment Deployed

- 8K streamer
- 4 source sub-arrays
- Magnetometer
- PAM

Technical Staff Onboard:

Ch. Science Officer - David Martinson
Science Technician - Angela Slagle
Marine Technician - Alan Thompson
Marine Technician - Robert Koprowski
Navigation - Mike Martello
Acquisition - Klayton Curtis

Daily Summary

Systems Status

Gear recovery completed. Transiting to Norfolk, VA.	Nav	Beginning close-out prep.
	IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
	ACQ	Syntrak reconfigured to make 8k streamer 6K electronically.
	Source	String 4 brought on board to repair air leak.
	Misc	Nav processing up to date
	Science	Paradigm has been contacted about "segmentation fault" errors when attempting to pick velocities on Proc 2. Still awaiting response. Data backup in progress

Sr. Source Mech - Carlos Gutierrez
Mechanic - Josh Kasinger
Mechanic - Chad Rich

Chief Scientist : Deborah Hutchinson

Co-Chief Scientist - Nathan Miller

Science Party:

Matthew Aresenault
Wayne Baldwin
Will Fortin
David Foster
Brian Meyer
Eric Moore
Thomas O'Brien
Brian Van Pay

PSOs:

Leslie Curran
Laurie Dugan
Cassandra Frey
Heidi Ingram
Laura Marcella

Plan for Tomorrow

Transit to Norfolk, VA. Closing out data and making ready for off-going shipments and port call.		Work List Items	Progress	Work List Items	Progress
		Science NS5	20.00%	ASVP procedure	100.00%
		Firewall updates	60.00%	MX80 access procedure	0.00%
		Sprint processing	90.00%	PepLink install	80.00%
		Sprint training	50.00%	OBSIP processing	100.00%
		Data Archival	30.00%		
		Streamer maintenance	100.00%		
		Bird repair	100.00%		
		WX station upgrade	90.00%		
		Camera expansion	0.00%		
		Group Policies	50.00%		

Time Analysis

MCS Production:

Prime: 2742.875 Sail km

Time Breakdown:

Production	0:00
Line Change	0:00
Weather Downtime	0:00
Technical Downtime	1:44
External Downtime	0:00

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>	1:44
<i>Air Compressor</i>	0:00
<i>Mag, PAM, etc.</i>	0:00

External Downtime:

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

Total: 2742.875 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

Port Call 0:00
Transit 22:16

Total: 1:44

Total: 0:00

Total: 24:00

[illegible]