

Cruise: MGL1408

Date: 14/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 36° 051.877 N
Lon: 76° 018.859 W

Speed over Ground: In Port
Heading: 46°

Water Depth: In Port
Midnight SP: In Port

Wind: Calm Seas: Calm

Current Equipment Deployed

All Gear Onboard

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Daily Summary

Port Call in Norfolk, VA De-Mobilizing from MGL1407 - Departing Technical Staff - Klayton Curtis & Chad Rich - Arriving Technical Staff - Robert Steinhaus, Tom Spoto, Gilles Guerin, & Roberto Henriquez

Systems Status

Nav	Continue close-out prep.
IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
ACQ	
Source	
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

Plan for Tomorrow

	Work List Items	Progress	Work List Items	Progress
Continue Port Call in Norfolk, VA. Mobilization for MGL1408 - Departing Technical Staff - David Martinson - Science Party Arrival ~09:00 and Safety Briefing at 14:00 EST.	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%		

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

Other 0:00

Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00

Maneuvering 0:00

Fishing Gear 0:00

Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

Cruise: MGL1408

Date: 15/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 36° 051.877 N
Lon: 76° 018.859 W

Speed over Ground: In Port
Heading: 46°

Water Depth: In Port
Midnight SP: In Port

Wind: Calm Seas: Calm

Current Equipment Deployed

All Gear Onboard

Daily Summary

Port Call in Norfolk, VA Mobilizing from MGL1408 - Departing Technical Staff - David Martinson - Science Party Arrival ~09:00, Safety Briefing at 14:00 EST,& IHA Call at 15:00.

Systems Status

	Nav	Continue close-out prep.
	IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
	ACQ	General Maintenance
	Source	General Maintenance
	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

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Plan for Tomorrow

The Vessel will start the day continuing the Port Call in Norfolk, VA. Mobilization for MGL1408 -and at ~09:00 is schedule to depart for the survey area. The Vessel will remain in transit for the rest of the day.

	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%		

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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

	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	Along side Pier P at Lambert's Point docks												
0:00	0:00	#####	Norfolk, VA												
	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													
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	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
PSO	Production	Line Change	Nav			Total Time									
						24:00	Sail	Prime		Sail	Infill			Sail	Reshoot
								0.000			0.000				0.000
Other	Source	Streamer	ACQ			CMP Line KM									
						0.000		0.000			0.000				0.000

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
		24:00	
Ship			

Cruise: MGL1408

Date: 16/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 39 31.688 N
Lon: 74° 55 10.639 W

Speed over Ground: 11.50kt
Heading: 150°

Current Equipment Deployed

All Gear Onboard

Water Depth: Sonar Secured
Midnight SP: N/A

Wind: ENE @10-15Seas: 1-2 m

Daily Summary

The vessel started the day continuing the Port Call in Norfolk, VA Mobilizing from MGL1408 - At 13:00 UTC the vessel got underway for the survey area. The Transit continued for the rest of the day.

Systems Status

Nav	Continue close-out prep.
IT	Still working on solution to frequent HSN dropouts. Continue work on relieving network congestion (large data transfers).
ACQ	General Maintenance
Source	General Maintenance
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

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Plan for Tomorrow

The Vessel will start the day continuing the transit to the survey area. At ~19:00 UTC the vessel will start the deployment of the towed equipment, which will continue throughout the rest of the day.

Work List Items	Progress	Work List Items	Progress
Science NSS	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%		

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 13:00
Transit 11:00

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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 17/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 32° 043.230 N
Lon: 72° 044.890 W

Speed over Ground: 04.20kt
Heading: 133°

Water Depth: 5297.0
Midnight SP: N/A

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing Transit to the Survey Area. At 18:04 UTC the vessel slowed down and started deployment of the towed Equipment, which continued throughout the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	HSN is currently down
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing the deployment of the towed equipment. It is expected that this will be completed at ~02:00 UTC. The Source will be ramped up and the vessel will make its way to Line MGL1408OBS001. Production should begin ~05:00 GMT and will continue throughout the rest of the day.

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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 0.000 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 0.000 Sail km

Total KM w/ 6600 in3 Array 0.00 Sail km
Total KM w/3300 in3 Array 0.00 Sail km

Time Breakdown:

Production 0:00
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 5:56
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 0:00
Transit 18:04

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 5:56
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 5:56

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship	18:04		

Total Time		Prime		Infill		Reshoot
24:00	Sail	0.000	Sail	0.000	Sail	0.000
CMP Line KM						
0.000		0.000		0.000		0.000

Cruise: MGL1408

Date: 18/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 039.637 N
Lon: 74° 05 41.765 W

Speed over Ground: 03.90kt
Heading: 302°

Water Depth: 4588.0
Midnight SP: 1684

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The vessel started the day continuing deployment of the towed Equipment, which concluded at 01:38 UTC. The Source was ramped up as the vessel made it way towards the first line and at 04:55 UTC acquisition began on MGL1408OBS001. The Vessel continued in production on this line for the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	HSN Operational, no other issues to report.
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408OBS001. Production should begin continue throughout the rest of the day.

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%		

MCS Production:

Prime: 154.800 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 154.800 Sail km

Total KM w/ 6600 in3 Array 154.80 Sail km
Total KM w/3300 in3 Array 0.00 Sail km

Time Breakdown:

Production 19:05
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 1:36
External Downtime 0:36

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 0:00
Transit 2:43

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 1:15
Streamer 0:21
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 1:36

External Downtime:

Mitigation / PAM 0:36
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:36

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
0:36	19:05		
Other	Source	Streamer	ACQ
	1:15	0:21	
WX	Transit	Port Call	Maneuvering
	2:43		
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	154.800	Sail	0.000	Sail	0.000
CMP Line KM						
154.800		154.800		0.000		0.000

Cruise: MGL1408

Date: 18/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 58 29.89 N
Lon: 75 48 11.5 05 41.765 W

Speed over Ground: 02.70kt
Heading: 300°

Water Depth: 1072.0
Midnight SP: 2487

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing production on line MGL1408OBS001. The Vessel continued in production on this line for the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	HSN Down - Seems to be on SCRIPPS Side again
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408OBS001. Production should continue on this line until ~15:00 UTC. At that time a line change will be undertaken and the vessel will come around an start production on Line MGL1408MCS001. Production on this line should continue throughout the rest of the day.

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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
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PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

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Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 180.450 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 180.450 Sail km

Total KM w/ 6600 in3 Array 335.25 Sail km
Total KM w/3300 in3 Array 0.00 Sail km
Total both Sources: 335.25 Sail km

Time Breakdown:

Production 24:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	24:00		
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
	0:00		
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	180.450	Sail	0.000	Sail	0.000
CMP Line KM						
180.450		180.450		0.000		0.000

Cruise: MGL1408

Date: 20/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 34° 13 49.84 N
Lon: 76° 22 51.19 W

Speed over Ground: 04.60kt
Heading: 120°

Water Depth: 028.2
Midnight SP: 2098

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

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Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
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Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The vessel started the day continuing production on line MGL1408OBS001. At 14:57 UTC this line concluded an a line change commenced. At 17:26 UTC Production was started on Line MGL1408MCS002. The vessel continued in this mode of opeartion throughout the remainder of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	No issues to Report
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS002. Production on this line should continue throughout the rest of the day.

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%		

MCS Production:

Prime: 146.225 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 146.225 Sail km

Total KM w/ 6600 in3 Array 481.48 Sail km
Total KM w/3300 in3 Array 0.00 Sail km
Total both Sources: 481.48 Sail km

Time Breakdown:

Production 21:27
Line Change 2:33
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	21:27	2:33	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	146.225	Sail	0.000	Sail	0.000
CMP Line KM						
146.225		146.225		0.000		0.000

Cruise: MGL1408

Date: 21/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 31 34.57 N
Lon: 74° 48 40.838 W

Speed over Ground: 04.30kt
Heading: 120°

Water Depth: 3875.0
Midnight SP: 5396

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing production on line MGL1408MCS002. The vessel continued in this mode of operation throughout the remainder of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	No issues to Report
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS002. Production on this line should continue throughout the rest of the day.

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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 164.850 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 164.850 Sail km

Total KM w/ 6600 in3 Array 646.33 Sail km
Total KM w/3300 in3 Array 0.00 Sail km
Total both Sources: 646.33 Sail km

Time Breakdown:

Production 24:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 22/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 32° 37 24.486 N
Lon: 72° 53 43.746 W

Speed over Ground: 4.5 Kts
Heading: 120°

Water Depth: 5275.0
Midnight SP: 9496

Current Equipment Deployed

1 x 8Km Steamer
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing production on line MGL1408MCS002. The vessel continued in this mode of operation throughout the remainder of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	No issues to Report
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS002. At ~00:36 UTC a High Pressure (2000psi) air leak accrued between the two Accumulator bottles and the fisher valve. The Line was end and the Source recovered so repairs could be made. Repairs will be made while the vessel continues towards Line MGL1408OBS003. It is expected that we will be at the start of line at ~14:00 UTC and will continue in production throughout the rest of the day.

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%		

MCS Production:

Prime: 204.950 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 204.950 Sail km

Total KM w/ 6600 in3 Array 851.28 Sail km
Total KM w/3300 in3 Array 0.00 Sail km
Total both Sources: 851.28 Sail km

Time Breakdown:

Production 24:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 23/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 24 7.436 N
Lon: 73° 28 35.512 W

Speed over Ground: 04.60kt
Heading: 21°

Water Depth: 4774.0
Midnight SP: 1323

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The vessel started the day continuing production on line MGL1408MCS002. At 00:36 UTC a leak in the HP Air supply to the source started. The Line was Ended early and the source was recovered. The Leak was repaired at ~03:30 UTC, but due the timing production could not recommence again until day light hours. Maintenance was preformed on all 4 source sub-arrays while the vessel made its way to Line MGL1408OBS003. At 13:53 UTC all Sirocco Sub-Arrays where in position and ramp up had been completed. At 14:28 UTC an air leak an Auto-firing Element where observed on Sub-Array 2 an it was recovered for repairs. At 15:20 MGL1408OBS003 was started with a reduced volume (3 x Sub-Arrays) of 5490 in3. At 16:28 UTC Sub-Array 2 had been repaired an was re-deployed an the line was continued throughout the rest of the day at full volume (6600in3). Also on Line MGL1408OBS003 there was a PSO Powerdown for a turtle Sighting.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	No issues to Report
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408OBS003 and will continue in production throughout the rest of the day.

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%		

MCS Production:

Prime: 73.950 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 73.950 Sail km

Total KM w/ 6600 in3 Array 1642.93 Sail km
Total KM w/3300 in3 Array 431.14 Sail km
Total both Sources: 2074.06 Sail km
Total KM Remaining 3246.94 Sail km

Time Breakdown:

Production 8:45
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 14:44
External Downtime 0:31

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 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
Other 0:00
Ship Repair 14:44

Total: 14:44

External Downtime:

Mitigation / PAM 0:31
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:31

Time Breakdown				PRIME		Total SP	Sail Line KM	INFILL		LSP	Total	Sail Line KM	RESHOOT		LSP	Total	Sail Line KM
	Time	Amount of Time	Event	FSP	LSP			FSP					FSP				
0:00	0:36	0:36	MGL1408MCS002	9496	9598	102	5.100										
0:36	1:51	1:15	Recover Source														
1:51	3:30	1:39	Repairing HP Air System														
3:30	8:11	4:41	Heading to Line														
8:11	10:08	1:57	Deployment of Source														
10:08	13:18	3:10	Heading to Line														
13:18	13:53	0:35	Rampup of Source														
13:53	15:20	1:27	Heading to Line														
15:20	17:48	2:28	MGL1408OBS003	997	1082	85	19.125										
17:48	18:19	0:31	Powerdown for PSO Sighting														
18:19	0:00	5:41	MGL1408OBS003	1102	1323	221	49.725										
0:00	0:00	#####															
	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
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	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
	0:00	0:00															
PSO	Production	Line Change	Nav	Total Time			Prime					Infill				Reshoot	
0:31	8:45			24:00		Sail	73.950			Sail		0.000			Sail	0.000	
Other	Source	Streamer	ACQ	CMP Line KM													
				73.950			73.950					0.000				0.000	
WX	Transit	Port Call	Maneuvering														
Ship																	
14:44																	

Cruise: MGL1408

Date: 24/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 4 59.84 N
Lon: 72° 36 49.036 W

Speed over Ground: 4.4 kts
Heading: 21°

Water Depth: 4343.7
Midnight SP: 2224

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing production on line MGL1408OBS003 an this continued throughout the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	No issues to Report
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408OBS003. At ~10:00 UTC will complete this line. The vessel will make a line change and is expected to start produciton on MGL1408MCS003 at ~13:30 UTC an remain in production on this line throughout the rest of the day.

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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 225.000 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 225.000 Sail km

Total KM w/ 6600 in3 Array 1154.73 Sail km
Total KM w/3300 in3 Array 0.00 Sail km
Total both Sources: 1154.73 Sail km

Time Breakdown:

Production 24:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 25/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 04 17.237 N
Lon: 72° 37 11.641 W

Speed over Ground: 04.80kt
Heading: 221°

Water Depth: 4352.4
Midnight SP: 2827

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The vessel started the day continuing production on line MGL1408OBS003. At 10:10 UTC the line was completed and the vessel started a line change. At 13:08 UTC Line Change was completed and the vessel began production on line MGL1408MCS003 which continued throughout the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	No issues to Report
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS003 an remain in production on this line throughout the rest of the day.

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%		

MCS Production:

Prime: 191.650 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 191.650 Sail km

Total KM w/ 6600 in3 Array	1346.38	Sail km
Total KM w/3300 in3 Array	0.00	Sail km
Total both Sources:	1346.38	Sail km

Time Breakdown:

Production 21:02
Line Change 2:58
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 26/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 27 58.953 N
Lon: 73° 26.39.122 W

Speed over Ground: 3.7
Heading: 221°

Water Depth: 4745.0
Midnight SP: 6698

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing production on line on line MGL1408MCS003 which continued throughout the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	It would seem that pcO2 script is not working properly.
ACQ	No issues to Report
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS003. At ~11:30 UTC a shot line change will be made to MGL1408MCS031. During the line change the source will be re-configured to 6m Depth and 3300in3. After MGL1408MCS031 is completed the vessel will make a short line change to MGL1408MCS032, an remain in production on this line throughout the rest of the day.

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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 193.500 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 193.500 Sail km

Total KM w/ 6600 in3 Array 1539.88 Sail km
Total KM w/3300 in3 Array 0.00 Sail km
Total both Sources: 1539.88 Sail km
Total KM Remaining 3781.13 Sail km

Time Breakdown:

Production 24:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	24:00		
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	193.500	Sail	0.000	Sail	0.000
CMP Line KM						
193.500		193.500		0.000		0.000

Cruise: MGL1408

Date: 27/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 32° 30 08.806 N
Lon: 74° 32 56.234 W

Speed over Ground: 04.90kt
Heading: 294°

Water Depth: 4602.0
Midnight SP: 2103

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The vessel started the day continuing production on Line MGL1408MCS003. At 11:21 UTC a shot line change was made to MGL1408MCS031. During the line change the source will be re-configured to 6m Depth and 3300in3. After MGL1408MCS03 was completed the vessel made another short line change to MGL1408MCS032, an remain in production on this line throughout the rest of the day.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	It would seem that pcO2 script is not working properly.
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS032. At ~11:00 UTC a short line change to MGL1408MCS032 will be made. The Streamer will be electrically shorted to 6km, Sample rate will be changed to 1ms, and shot point interval to 25m. The vessel is expected to remain in production on this line throughout the remainder of the day.

	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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 178.000 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 178.000 Sail km

Total KM w/ 6600 in3 Array 1802.68 Sail km
Total KM w/3300 in3 Array 93.20 Sail km
Total both Sources: 1895.88 Sail km
Total KM Remaining 3425.13 Sail km

Time Breakdown:

Production 22:00
Line Change 2:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	22:00	2:00	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time
24:00
CMP Line KM
178.000

	Prime
Sail	178.000
	178.000

	Infill
Sail	0.000
	0.000

	Reshoot
Sail	0.000
	0.000

Cruise: MGL1408

Date: 28/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 05 15.755 N
Lon: 76° 14 47.141 W

Speed over Ground: 02.50kt
Heading: 294°

Water Depth: 1319.0
Midnight SP: 2186

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

During the day the vessel was in production on lines MCSL1408MCS032, 033, and 034. Vessel speed over ground was down for most of the day due to crossing of the Gulf Stream.

Systems Status

Nav	Tailbuoy GPS not operational.
IT	It would seem that pcO2 script is not working properly.
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS034 and once completed will start production on MGL1408MCS035 and should remain in this mode throughout the rest of the day.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 171.075 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 171.075 Sail km

Total KM w/ 6600 in3 Array 1624.68 Sail km
Total KM w/3300 in3 Array 264.28 Sail km
Total both Sources: 1888.95 Sail km
Total KM Remaining 3432.05 Sail km

Time Breakdown:

Production 23:51
Line Change 0:09
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	23:51	0:09	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time
24:00
CMP Line KM
171.075

	Prime
Sail	171.075
	171.075

Sail	Infill
	0.000
	0.000

	Reshoot
Sail	0.000
	0.000

Cruise: MGL1408

Date: 29/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 27 40.121 N
Lon: 75° 47 39.684 W

Speed over Ground: 07.70kt
Heading: 28°

Water Depth: 2956.4
Midnight SP: 1095

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

During the day the vessel was in production on lines MGL1408MCS034,MCS035, and MGL1408OBS04A. During the line change between MCS035 and OBS04A Sub-Arrays 2 & 3 where recovered an the source was re-configured for 9m Depths. Also on Line MGL1408MCS034 the streamer Tailbuoy started functioning again.

Systems Status

Nav	No Issues to Report
IT	It would seem that pcO2 script is not working properly.
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408OBS04A and once completed will start production on MGL1408MSC041 and should remain in this mode throughout the rest of the day.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Source Mechanic
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 189.588 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 189.588 Sail km

Total KM w/ 6600 in3 Array 1647.43 Sail km
Total KM w/3300 in3 Array 431.14 Sail km
Total both Sources: 2078.56 Sail km
Total KM Remaining 3242.44 Sail km

Time Breakdown:

Production 20:12
Line Change 3:48
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	20:12	3:48	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time
24:00
CMP Line KM
189.588

Sail	Prime
	189.588
	189.588

	Infill
Sail	0.000
	0.000

	Reshoot
Sail	0.000
	0.000

Cruise: MGL1408

Date: 30/Sep/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 23 26.961 N
Lon: 74° 15 56.682 W

Speed over Ground: 03.50kt
Heading: 118°

Water Depth: 2893.0
Midnight SP: 1465

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day in production on Line MGL1408OBS04A. Once completed at 19:58 UTC a line change was made. During which time the Source Depth was reconfigured to 6m and Volume to 3300 in3. At 20:55 UTC line change was complete and production on line MGL1408MSC041. The vessel remined in this mode throughout the rest of the day.

Systems Status

Nav	No Issues to Report
IT	pC02 Merge Data script is not working properly.
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational, pCo2 has intermeitent Equil Temp Sensor Error.

Plan for Tomorrow

The Vessel will start the day continuing Line MGL1408MCS041. Once completed will make a short line chage anstart production on Line MGL1408MSC042. Line MGL1408MCS042 should be complete 20:00 UTC. Another line change will be started during which time the source will be reconfigured back to 9m and 6600 in3 while the vessel is heading to Line MGL1408OBS04B.

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	40.00%	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%		

MCS Production:

Prime: 270.600 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 270.600 Sail km

Total KM w/ 6600 in3 Array	1895.83	Sail km
Total KM w/3300 in3 Array	448.84	Sail km
Total both Sources:	2344.66	Sail km
Total KM Remaining	2976.34	Sail km

Time Breakdown:

Production 23:03
Line Change 0:57
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 1/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 34° 15 13.955 N
Lon: 74° 46 12.120 W

Speed over Ground: 04.00kt
Heading: 247°

Water Depth: 3424.0
Midnight SP: N/A

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day in production on Line MGL1408MCS041. Once completed at 04:32 UTC a line change was made and Line MGL1408MCS042 was started at 05:01 UTC. Line MGL1408MCS042 was completed at 21:39 UTC an a line change was started to MGL1408OBS04B which continued through the rest of the day. During this Line Change the Source was recovered and converted back to a 6600 in3 9m depth array.

Systems Status

Nav	No Issues to Report
IT	pC02 Merge Data script is not working properly.
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational, pCo2 has intermeitent Equil Temp Sensor Error.

Plan for Tomorrow

The Vessel will start the day continuing the Line change to line MGL1408OBS04B. It is expected to start this line ~01:30 UTC and continue on it until ~18:00 UTC. At which time a long line change back to MGL1408OBS01A will take place an will continue thorough out the rest of the day. During this last line change all Sub-Array will be recovered to preform 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	40.00%	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%		

MCS Production:

Prime: 166.350 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 166.350 Sail km

Total KM w/ 6600 in3 Array 1895.83 Sail km
Total KM w/3300 in3 Array 615.19 Sail km
Total both Sources: 2511.01 Sail km
Total KM Remaining 2809.99 Sail km

Time Breakdown:

Production 21:14
Line Change 2:46
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 2/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 36° 016.680 N
Lon: 74° 043.657 W

Speed over Ground: 04.81kt
Heading: 245°

Water Depth: 856.2
Midnight SP: N/A

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The Vessel started the day continuing the Line change to line MGL1408OBS04B. concluded at 01:26 UTC. At 20:58 the line ended and a long line change back to MGL1408OBS01A was started and the vessel continue in that mode through out the rest of the day. During this line change all Sub-Array will be recovered to preform maintenance.

Systems Status

Nav	No Issues to Report
IT	No Issues to Report
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing the Line change and preforming maintenance on all Sub-Arrays. At 08:00 UTC production on MGL1408OBS01A will start. The Vessel is expected to continue in this mode for the rest of the day.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 224.550 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 224.550 Sail km

Total KM w/ 6600 in3 Array 2120.38 Sail km
Total KM w/3300 in3 Array 615.19 Sail km
Total both Sources: 2735.56 Sail km
Total KM Remaining 2585.44 Sail km

Time Breakdown:

Production 19:32
Line Change 4:28
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 3/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 020.390 N
Lon: 73° 039.063 W

Speed over Ground: 04.50kt
Heading: 116°

Water Depth: 3495.0
Midnight SP: 1688

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing the Line change to line MGL1408OBS01A. This line was started at 06:03 an continued throughout the rest of the day. During there where a total of 3 PSO Sighting which required the source to be powered down or shutdown. Also during the morning hours a number of Long Line fishing boat where encountered and a Deviation of ~10km to the north of the line was required to avoid tangling of the towed equipment. During this deviation very strong currents where encountered which resulted in a ~80 deg of feather angle for the streamer.

Systems Status

Nav	No Issues to Report
IT	No Issues to Report
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing production on Line MGL1408OBS01A and is expected to continue in this mode for the rest of the day.

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	40.00%	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%		

MCS Production:

Prime: 135.225 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 135.225 Sail km

Total KM w/ 6600 in3 Array	2255.63	Sail km
Total KM w/3300 in3 Array	615.19	Sail km
Total both Sources:	2870.82	Sail km
Total KM Remaining	2450.18	Sail km

Time Breakdown:

Production 16:26
Line Change 6:03
Weather Downtime 0:00
Technical Downtime 0:00
External Downtime 1:31

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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 1:31
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 1:31

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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
1:31	16:26	6:03	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	135.225	Sail	0.000	Sail	0.000
CMP Line KM						
135.225		135.225		0.000		0.000

Cruise: MGL1408

Date: 4/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 34° 37 51.022 N
Lon: 71° 52 31.044 W

Speed over Ground: 05.00kt
Heading: 116°

Water Depth: 4413.0
Midnight SP: 2490

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing line MGL1408OBS01A. At 09:06 UTC Sub-Array #2 started having Communication errors from Element #3 back. The Line was aborted at 09:25 UTC an the vessel began cricling around while Maintenance to Sub-Array #2 was preformed. At 12:14 UTC The Circle was completed and the vessel restarted production on line MGL1408OBS01B, which continued throughout the rest of the day.

Systems Status

Nav	No Issues to Report
IT	No Issues to Report
ACQ	Intermittent Bird Line Communication issues
Source	Communication Failure on Sub-Array #2 at Element Position 3. Failure was caused by something in the water striking the sub-array and damaging a communication cable.
Misc.	No Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing production on Line MGL1408OBS01B and expected to complete it at ~03:45 UTC. A line change will commence and the vessel is expected to begin produciton on Line MGL1408MCS01 at ~06:18 UTC an should continue in this mode throughout the rest of the day.

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	40.00%	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%		

MCS Production:

Prime: 180.000 Sail km

Infill: 2.925 Sail km

Reshoot: 2.925 Sail km

Total: 185.850 Sail km

Total KM w/ 6600 in3 Array 2435.63 Sail km
Total KM w/3300 in3 Array 615.19 Sail km
Total both Sources: 3050.82 Sail km
Total KM Remaining 2270.18 Sail km

Time Breakdown:

Production 21:11
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 2:49
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 0:00
Transit 0:00

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 2:49
Streamer 0:00
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 2:49

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	21:11		
Other	Source	Streamer	ACQ
	2:49		
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	180.000	Sail	2.925	Sail	2.925
CMP Line KM						
185.850		180.000		2.925		2.925

Cruise: MGL1408

Date: 5/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 4 53.599 N
Lon: 72° 59 34.637 W

Speed over Ground: 04.60kt
Heading: 300°

Water Depth: 4176.0
Midnight SP: 3985

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The Vessel started the day continuing line MGL1408OBS01B. At 03:45 UTC Line MGL1408OBS01B was completed and a normal line change was made. At 06:18 UTC Production on line MGL1408MCS01A started and continued throughout the rest of the day. At ~20:12 UTC the PAM streamer cable stop responding. It was recovered and found to have been struck by something in the water and damaged. A new Hydrophone Section was installed and the PAM was back in Service at 20:52 UTC.

Systems Status

Nav	No Issues to Report
IT	No Issues to Report
ACQ	Intermittent Bird Line Communication issues
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational, After PAM Steamer Failure there is no spares onboard, we only have the one working that is currently deployed.

Plan for Tomorrow

The Vessel will start the day continuing production on Line MGL1408MCS01. At 12:13 UTC the line was stopped due to an air leak on Sub-Array #4. it was recovered and during the circle back around to Line MGL1408MCS01A which is expected to start at ~14:30 UTC and is expected continue throughout the rest of the day.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 249.650 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 249.650 Sail km

Total KM w/ 6600 in3 Array 2685.28 Sail km
Total KM w/3300 in3 Array 615.19 Sail km
Total both Sources: 3300.47 Sail km
Total KM Remaining 2020.53 Sail km

Time Breakdown:

Production 21:27
Line Change 2:33
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 5/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 39 40.400 N
Lon: 74° 29 20.654 W

Speed over Ground: 03.40kt
Heading: 295°

Water Depth: 2305.0
Midnight SP: 6993

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing line MGL1408MCS01. A 12:31 UTC Line MGL1408MCS01 was aborted due to Air Leak on Sub-Array 4. The Vessel began circling around on the line while repairs were made. At 17:11 UTC the vessel re-started production on Line MGL1408MCS01A and continued in this mode throughout the day.

Systems Status

Nav	No Issues to Report
IT	No Issues to Report
ACQ	Intermittent Bird Line Communication issues- Streamer Trim Issues due to Water Temp variations from 21C - 28C depending on position in Gulf Stream
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational, After PAM Steamer Failure there is no spares onboard, we only have the one working that is currently deployed.

Plan for Tomorrow

The Vessel will start the day continuing production on Line MGL1408MCS01A. At 04:55 UTC the line was aborted due to the front end of the streamer being at 30m. Recovery of PAM, MAGGIE, and all Sub-Arrays was started while the vessel maneuvered back out into deeper waters, so the streamer could be recovered. Once the Source is onboard the Streamer will be recovered to ~ Bird 11, so changes to the trim and heave sections can be changed out. It will be re-deployed and it is hoped that the vessel will be back in production before the end of day on Line MGL1408MCS01B.

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	40.00%	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%		

MCS Production:

Prime: 150.300 Sail km

Infill: 8.850 Sail km

Reshoot: 0.000 Sail km

Total: 159.150 Sail km

Total KM w/ 6600 in3 Array 2835.58 Sail km
Total KM w/3300 in3 Array 615.19 Sail km
Total both Sources: 3450.77 Sail km
Total KM Remaining 1870.23 Sail km

Time Breakdown:

Production 13:31
Line Change 4:40
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 0:00
Transit 0:00

Total: 18:11

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	13:31	4:40	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Overlap
18:11	Sail	150.300	Sail	8.850	Sail	0.000
CMP Line KM						
159.150		150.300		8.850		0.000

Cruise: MGL1408

Date: 7/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 36° 02 36.824 N
Lon: 75° 03 04.999 W

Speed over Ground: 04.90kt
Heading: 70°

Water Depth: 034.8
Midnight SP: N/A

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Steamer
1 x Magnetometer

Daily Summary

The Vessel started the day continuing line MGL1408MCS01A. A 04:55 UTC Line MGL1408MCS01A was aborted due to the streamer front end being too deep to proceed into the shallow areas of the line. A turn offshore was started and all towed equipment including the first 3km of the streamer were recovered. After performing maintenance on the streamer all towed equipment was re-deployed and at 18:07 UTC production on MGL1408MCS01B was started. This line ended normally at 22:02 UTC and a line change was started towards MGL1408MCS052. There where a couple of Shutdowns for PSO Sightings during Line MGL1408MCS01B and on the line change at the end of the day Sub-Arrays 2 & 3 were recovered to re-configure the source to 6m and 3300in3.

Systems Status

Nav	No Issues to Report
IT	No Issues to Report
ACQ	Intermittent Bird Line Communication issues-
Source	No Issues to Report
Misc.	No Issues to Report
Science	ADCP Not operational, After PAM Steamer Failure there is no spares onboard,

Plan for Tomorrow

The Vessel will start the day continuing a Line change to MGL1408MCS052. Once complete another line change will take place to line MGL1408MCS053 and yet another line change after the completion of this line to MGL1408MCS054.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 66.400 Sail km

Infill: 2.800 Sail km

Reshoot: 0.000 Sail km

Total: 69.200 Sail km

Total KM w/ 6600 in3 Array 2901.98 Sail km
Total KM w/3300 in3 Array 615.19 Sail km
Total both Sources: 3517.17 Sail km
Total KM Remaining 1803.83 Sail km

Time Breakdown:

Production 8:17
Line Change 1:58
Weather Downtime 0:00
Technical Downtime 12:34
External Downtime 1:11

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 0:00
Transit 0:00

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 2:56
Streamer 9:38
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 12:34

External Downtime:

Mitigation / PAM 1:05
Maneuvering 0:06
Fishing Gear 0:00
Weather 0:00

Total: 1:11

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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav	Total Time	Sail	Prime	Infill	Reshoot
1:05	8:17	1:58		24:00		66.400	2.800	0.000
Other	Source	Streamer	ACQ	CMP Line KM				
	2:56	9:38		69.200		66.400	2.800	0.000
WX	Transit	Port Call	Maneuvering					
			0:06					
Ship								

Cruise: MGL1408

Date: 8/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 36° 2' 12.797" N
Lon: 74° 57' 16.681" W

Speed over Ground: 04.90kt
Heading: 70°

Water Depth: 034.8
Midnight SP: N/A

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing a line change to Line MGL1408MCS052 and at 00:40 UTC Production was started. This line was completed at 08:58 UTC and a line changed was started. During this Line Change Sub-Array #2 was recovered to preform maintenance on Element 7 (Electrical Issues). At 12:18 UTC line MGL1408MCS053 was started and continued until 14:59 UTC, at which time the line was ended early as per instructions from OMO and the vessel began a line change to MGL1408MCS057. At 18:50 MGL1408MCS057 was started and the vessel continued in this mode throughout the rest of the day.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	No Major Issues to Report
Science	ADCP Not operational, No Working Spare PAM onboard

Plan for Tomorrow

The Vessel will start the day continuing a Line MGL1408MCS057. This line is expeted to end ~01:00. The Vessel will start maneuvering towards MGL1408MCS058, while standing by for a vessel to bring out a New Spare PAM Streamer at first light. Once the Spare PAM Streamer is onboard the vessel will make its way to line and Production is expected to begin on Line MGL1408MCS058 at ~15:00 UTC. The vessel is expected to remin in production for the rest of the day.

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	40.00%	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%		

MCS Production:

Prime: 143.750 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 143.750 Sail km

Total KM w/ 6600 in3 Array	2901.98	Sail km
Total KM w/3300 in3 Array	758.94	Sail km
Total both Sources:	3660.92	Sail km

KM Remaining 6600in3 1140.06

KM Remaining 3300in3 520.02

Total KM Remaining 1660.08 Sail km

Time Breakdown:

Production 16:09
Line Change 7:51
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	16:09	7:51	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	143.750	Sail	0.000	Sail	0.000
CMP Line KM						
143.750		143.750		0.000		0.000

Cruise: MGL1408

Date: 9/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 36° 19' 44.096" N
Lon: 74° 29' 42.990" W

Speed over Ground: 04.60kt
Heading: 89°

Water Depth: 1949.0
Midnight SP: 2639

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Daily Summary

The Vessel started the day continuing production on Line MGL1408MCS057. At 00:54 this line was completed and a line change to MGL1408MCS058 was started. At 03:54 UTC the vessel reached line and went into standby mode to await a supply vessel (US Towboat 41) arrive in the morning to deliver the spare PAM streamer. At ~14:48 UTC US Towboat 41 was making their approach and by 15:00 UTC the PAM streamer was onboard and the vessel was making it way back towards line. At 18:54 UTC Line MGL1408058 was started the vessel continued in this mode throughout the rest of the day. There was one short Source power for a PSO sighting during this line.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	No Major Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing a Line MGL1408MCS058. This line is expected to end ~04:00. The Vessel will start make a line change to MGL1408MCS04B and will start production ~09:00 UTC. The vessel is expected to remain in production for the rest of the day.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Production:

Prime: 59.125 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 59.125 Sail km

Total KM w/ 6600 in3 Array	2901.98	Sail km
Total KM w/3300 in3 Array	818.06	Sail km
Total both Sources:	3720.04	Sail km
KM Remaining 6600in3	1080.94	
KM Remaining 3300in3	520.02	
Total KM Remaining	1600.96	Sail km

Time Breakdown:

Production 5:52
Line Change 3:00
Weather Downtime 0:00
Technical Downtime 15:00
External Downtime 0:08

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 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
Other 15:00
Ship Repair 0:00

Total: 15:00

External Downtime:

Mitigation / PAM 0:08
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:08

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
0:08	5:52	3:00	
Other	Source	Streamer	ACQ
15:00			
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	59.125	Sail	0.000	Sail	0.000
CMP Line KM						
59.125		59.125		0.000		0.000

Cruise: MGL1408

Date: 10/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 42'56.994 N
Lon: 74° 35' 27.216 W

Speed over Ground: 02.60kt
Heading: 190°

Water Depth: 2076.0
Midnight SP: 2479

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing production on Line MGL1408MCS058. At 04:20 UTC this line was completed and the vessel stated an extended Line change (Due To Position) to Line MGL1408MCS04B. During this line change the source was recovered to reconfigure it for 9m & 6600in3. At 10:54 UTC production began on Line MGL1408MCS04B and the vessel will continue in this mode throughout the rest of the day. There were 5 power downs of the source today during line MGL1408MCS04B for PSO sightings.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	No Major Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing a Line MGL1408MCS058. This line is expected to end ~04:00. The Vessel will start make a line change to MGL1408MCS04B and will start production ~09:00 UTC. The vessel is expected to remain in production for the rest of the day.

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	40.00%	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%		

MCS Production:

Prime: 98.050 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 98.050 Sail km

Total KM w/ 6600 in3 Array	2974.33	Sail km
Total KM w/3300 in3 Array	843.76	Sail km
Total both Sources:	3818.09	Sail km

KM Remaining 6600in3	447.67
KM Remaining 3300in3	1055.24
Total KM Remaining	1502.91

Sail km

Time Breakdown:

Production 16:26
Line Change 6:34
Weather Downtime 0:00
Technical Downtime 0:00
External Downtime 1:00

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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 1:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 1:00

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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
1:00	16:26	6:34	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	98.050	Sail	0.000	Sail	0.000
CMP Line KM						
98.050		98.050		0.000		0.000

Cruise: MGL1408

Date: 11/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 34° 43' 28.209" N
Lon: 74° 46' 02.745" W

Speed over Ground: 02.30kt
Heading: 190°

Water Depth: 3078.1
Midnight SP: 2479

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing production on Line MGL1408MCS04B.and the vessel will continue in this mode throughout the rest of the day.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	No Major Issues to Report
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing a Line MGL1408MCS04B. This line is expected to end ~10:14 UTC. The Vessel will start make an Extended line change to MGL1408MCS062 and will start production at ~15:00 UTC. During the Line Change Sub-Arrays 2 and 3 will be recovered to re-configure the source to 6600in3 at 9m. The vessel is expected to remain in production for the rest of the day.

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	40.00%	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%		

MCS Production:

Prime: 111.100 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 111.100 Sail km

Total KM w/ 6600 in3 Array	3085.43	Sail km
Total KM w/3300 in3 Array	843.76	Sail km
Total both Sources:	3929.19	Sail km
KM Remaining 6600in3	336.57	
KM Remaining 3300in3	1055.24	
Total KM Remaining	1391.81	Sail km

Time Breakdown:

Production 24:00
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	24:00	Source	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time
24:00
CMP Line KM
111.100

Sail Prime Infill Reshoot
111.100 Sail 0.000 0.000

111.100 0.000 0.000

Cruise: MGL1408

Date: 12/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 49' 04.365" N
Lon: 74° 51' 45.907 W
Speed over Ground: 04.20kt
Heading: 210°
Water Depth: 3637.8
Midnight SP: 2338

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

Daily Summary

The Vessel started the day continuing acquisition on Line MGL1408MCS04B. At 10:14 UTC the vessel completed acquisition and began a line change to MGL1408MCS062. During this line change, the source was recovered and re-configured to 6m - 3300in3 an re-deployed. At 15:28 UTC acquisition on line MGL1408MCS062 began and continue throughout the rest of the day.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	System 3 Hydraulic System offline awaiting spare parts after return line valve failure.
Science	ADCP Not operational

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Plan for Tomorrow

The Vessel will start the day continuing acquisition on Line MGL1408MCS062. This line is expected to end ~11:00 UTC. The Vessel will then start a line change to MGL1408MCS063. Acquisition is expected to begin at ~14:00 UTC and is expected to continue throughout the rest of the day.

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	40.00%	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%		

MCS Acquisition:

Prime: 126.050 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 126.050 Sail km

Total KM w/ 6600 in3 Array 3138.68 Sail km

Total KM w/3300 in3 Array 916.56 Sail km

Total both Sources: 4055.24 Sail km

KM Remaining 6600in3 283.32

KM Remaining 3300in3 982.44

Total KM Remaining 1265.76 Sail km

Time Breakdown:

Acquisition 18:46
Line Change 5:14
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 13/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 21' 40.830" N
Lon: 76° 11' 30.070" W
Speed over Ground: 04.50kt
Heading: 289°
Water Depth: 859.0
Midnight SP: 4381

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel started the day continuing acquisition on Line MGL1408MCS062. At 11:01 UTC the vessel completed acquisition and began a line change to MGL1408MCS063. Acquisition on line MGL1408MCS063 began at 13:44 UTC and continued to 21:40 UTC. At which time a short line change took place, so the remainder of the line could be acquired with higher resolution parameters. (6km Streamer, 1ms Sample, and 25m Shot Spacing). At 21:46 UTC acquisition on line MGL1408MCS063A started and continue throughout the rest of the day.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	System 3 Hydraulic System offline awaiting spare parts after return line valve failure.
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing acquisition on Line MGL1408MCS063B. This line is expected to end ~04:250 UTC. The Vessel will then start a line change to MGL1408MCS064. Once Line MGL1408MCS064 is completed the vessel will make another line change to MGL1408MCS04A and acquisition is expected to continue throughout the rest of the day. During the line change tom MGL1408MCS04A the source will be recovered and re-configured back to 9m and 6600in3.

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	40.00%	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%		

MCS Acquisition:

Prime: 182.625 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 182.625 Sail km

Total KM w/ 6600 in3 Array	3138.68	Sail km
Total KM w/3300 in3 Array	1099.19	Sail km
Total both Sources:	4237.87	Sail km
KM Remaining 6600in3	283.32	
KM Remaining 3300in3	799.81	
Total KM Remaining	1083.13	Sail km

Time Breakdown:

Acquisition 21:11
Line Change 2:49
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

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Time Breakdown

[illegible]

PSO	Acquisition	Line Change	Nav
	21:11	2:49	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time
24:00
CMP Line KM
182.625

	Prime
Sail	182.625
	182.625

	Infill
Sail	0.000
	0.000

Reshoot
0.000
0.000

Cruise: MGL1408

Date: 14/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 33° 24' 23.646" N
Lon: 75° 49' 42.845" W

Speed over Ground: 05.90kt
Heading: 28°

Water Depth: 2909.0
Midnight SP: 1230

Current Equipment Deployed

1 x 8Km Steamer
4 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel will start the day continuing acquisition on Line MGL1408MCS063A. This line ended at 04:29 UTC. The Vessel then started a line change to MGL1408MCS064. Once Line MGL1408MCS064 was completed at 15:31 UTC the vessel made another line change to MGL1408MCS04A and acquisition started at 22:17 UTC an continued throughout the rest of the day. During the line change tom MGL1408MCS04A the source will be recovered and re-configured back to 9m and 6600in3.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	System 3 Hydraulic System offline awaiting spare parts after return line valve failure.
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing acquisition on Line MGL1408MCS004A. This line is expected to end ~21:00 UTC. The Vessel will then start a line change to MGL1408MCS071. This line change is expected to continue throughout the rest of the day. During the line change tom MGL1408MCS071 the source will be recovered and re-configured back to 6m and 3300in3.

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	40.00%	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%		

MCS Acquisition:

Prime: 138.800 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 138.800 Sail km

Total KM w/ 6600 in3 Array	3157.56	Sail km
Total KM w/3300 in3 Array	1219.11	Sail km
Total both Sources:	4376.67	Sail km
KM Remaining 6600in3	264.44	
KM Remaining 3300in3	679.89	
Total KM Remaining	944.33	Sail km

Time Breakdown:

Acquisition 14:25
Line Change 9:35
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Cruise: MGL1408

Date: 15/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 35° 35.890" N
Lon: 74° 32.680" W

Speed over Ground: 03.53kt
Heading: 240°

Water Depth: 2106.0
Midnight SP: N/A

Current Equipment Deployed

1 x 8Km Steamer
2 x Source Sub-Arrays
1 x PAM Streamer
1 x Magnetometer

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Daily Summary

The Vessel will start the day continuing acquisition on Line MGL1408MCS04A. This line was ended early at 12:00 UTC, because of currents. The Vessel had a quick line change to MGL1408MCSA4A where the Shot point interval was changed from 62.5m to 75m to allow the vessel speed up an put more tension on the streamer without mission shot points. At 12:02 UTC Line MGL1408MCSA4A was started and continued until 22:07 UTC. At which time a line change to MGL1408MCS071 was started and continued throughout the rest of the day. During this last line change of the day all Sub-Arrays where recovered so the souce could be re-configure to 6m & 3300 in3. Sub-Arrays 1 & 4 will remain onboard for the duration of the mission.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	System 3 Hydraulic System offline awaiting spare parts after return line valve failure.
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing a line change MGL1408MCS071. This line Change is expected to end ~14:30 UTC. At that time acquisition on Line MGL1408MCS071 will began and is expected to continue throughout the rest of the day.

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	40.00%	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%		

MCS Acquisition:

Prime: 259.025 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 259.025 Sail km

Total KM w/ 6600 in3 Array	3416.58	Sail km
Total KM w/3300 in3 Array	1219.11	Sail km
Total both Sources:	4635.69	Sail km

KM Remaining 6600in3	5.42	
KM Remaining 3300in3	679.89	
Total KM Remaining	685.31	Sail km

Time Breakdown:

Acquisition 21:34
Line Change 1:55
Weather Downtime 0:00
Technical Downtime 0:00
External Downtime 0:31

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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:31
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:31

Time Breakdown

[illegible]

PSO	Acquisition	Line Change	Nav
0:31	21:34	1:55	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	259.025	Sail	0.000	Sail	0.000
CMP Line KM						
259.025		259.025		0.000		0.000

Cruise: MGL1408

Date: 16/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

0:00 deg min
Lat: 34° 46' 43.946" N
Lon: 74° 27' 03.560 W

Speed over Ground: 04.60kt
Heading: 118°

Current Equipment Deployed

1 x 8Km Steamer

Water Depth: 3255.0
Midnight SP: 2515

Wind: W 20-25 Seas: 2-3m

Daily Summary

The Vessel will start the day on line change to Line MGL1408MCS071. Due to Currents and line location of the line this line change was an extremely long. The Line started at 14:49 UTC and continued throughout the end of the day

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	System 3 Hydraulic System offline awaiting spare parts after return line valve failure.
Science	ADCP Not operational

Plan for Tomorrow

The Vessel will start the day continuing acquisition on line change MGL1408MCS071. The Vessel will continue in this mode until ~08:00 at which time all acquisition will be concluded and the towed equipment will be recovered. Once all equipment is onboard the vessel will begin transiting to Norfolk, VA, throughout the rest of the day.

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	40.00%	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%		

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

MCS Acquisition:

Prime: 77.200 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 77.200 Sail km

Total KM w/ 6600 in3 Array 3416.58 Sail km
Total KM w/3300 in3 Array 1296.31 Sail km
Total both Sources: 4712.89 Sail km

KM Remaining 6600in3 5.42
KM Remaining 3300in3 602.69
Total KM Remaining 608.11 Sail km

Time Breakdown:

Acquisition 9:11
Line Change 14:49
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 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
Other 0:00
Ship Repair 0:00

Total: 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Acquisition	Line Change	Nav
	9:11	14:49	
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time
24:00
CMP Line KM
77.200

	Prime
Sail	77.200
	77.200

	Infill
Sail	0.000
	0.000

	Reshoot
Sail	0.000
	0.000

Cruise: MGL1408

Date: 16/Oct/14

Reporter: RJS

Daily Report

Midnight Position / Info

Lat: 35° 055.654 N
Lon: 74° 056.039 W

Speed over Ground: 10.90kt
Heading: 325°

Current Equipment Deployed

All Equipmnet onboard Transiting.

Water Depth: Sonar Secured
Midnight SP: N/A

Wind: W 15-20 KTSeas: 1m

Daily Summary

The Vessel will start the day on line MGL1408MCS071. At 08:00 UTC the line was end and the recovery of all towed equipment was started. At 13:26 UTC all equipment was onboard and the vessel began transiting towards Norfolk, VA.

Systems Status

Nav	No Major Issues to Report
IT	No Major Issues to Report
ACQ	During the morning Hours the Work Station for the Syntrak Seismic Recording system had a harddrive failure an is currently not operational.
Source	No Major Issues to Report
Misc.	System 3 Hydraulic System offline awaiting spare parts after return line valve failure.
Science	ADCP Not operational

Technical Staff

Steinhaus	Robert	Chief Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract Navigator
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Marine Tech (Source)
Kasinger	Josh	Marine Tech (Source)
Henriquez	Roberto	Contract Source Mechanic

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
Curran	Leslie	Contract RPS PSO
Dugan	Laurie	Contract RPS PSO
Frey	Cassandra	Contract RPS PSO

Science Party

Shillington	Donna	Chief Scientist (PI)
Hornbach	Matt	Co-PI
Becel	Anne	CO-PI
Blacic	Tanya	Watch stander
Darnell	Kristopher	Watch stander
Davy	Richard	Watch stander
Epple	Kara	Watch stander
Hill	Jenna	Watch stander
Karl	Matt	Watch stander
Montell	Sasha	Watch stander
Phrampus	Ben	Watch stander
Sawyer	Derek	Watch stander

Plan for Tomorrow

The Vessel will start the day continuing transiting to Norfolk, VA. It is expected to reach the Pilots station at ~11:00 UTC and be secured alongside LPD Pier N southside Nolfork, VA at ~13:00 UTC.

Work List Items	Progress	Work List Items	Progress
Streamer Loading (Reel Truck)	0.00%	Winterizing of Source	50.00%
Data Shipments MGL1408	75.00%	Re-Arranging Main Lab Electrical	0.00%
Loading of Str 3's Lead-in	0.00%	Service of BiglCourse Birds	100.00%
Intall Barovane Floats	0.00%	Removal of Wide Tow Load Pins	50.00%
Clean up of OBS Deck	0.00%		
Shipping of Equipment	0.00%		
Exercise/Service Workboat	0.00%		
Removal of Level Winders	100.00%		
Loading of good Spare Sec.	0.00%		
WinchDAC Testing	0.00%		

MCS Acquisition:

Prime: 85.813 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 85.813 Sail km

Total KM w/ 6600 in3 Array 3416.58 Sail km
Total KM w/3300 in3 Array 1382.13 Sail km
Total both Sources: 4798.71 Sail km

KM Remaining 6600in3 5.42

KM Remaining 3300in3 516.87

Total KM Remaining 522.29 Sail km

Time Breakdown:

Acquisition 8:00
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 5:26
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 0:00

Transit 10:34

Total: 24:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:54
Streamer 4:32
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 5:26

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Time Breakdown

[illegible]

PSO	Acquisition	Line Change	Nav
	8:00		
Other	Source	Streamer	ACQ
	0:54	4:32	
WX	Transit	Port Call	Maneuvering
	10:34		
Ship			

Total Time		Prime		Infill		Reshoot
24:00	Sail	85.813	Sail	0.000	Sail	0.000
CMP Line KM						
85.813		85.813		0.000		0.000