

Cruise: MGL1506

Date: 8/Apr/15

Reporter: DMM

Daily Report

Midnight Position / Info

deg min Speed over Ground: 0
Lat: 32° 051.191 N Heading: 47
Lon: 79° 056.997 W
Water Depth: N/A
Wind: 5 kt Seas: calm Night SP: N/A

Current Equipment Deployed

All Equipment onboard In Port

Technical Staff

Martinson	David	Science Officer
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

The Vessel began the day pierside in Charleston, SC (Veterans Terminal Pier Mike). Change gun depth ropes for 9m depth. Test and install GPS pods on gun arrays. Test and install GPS on tailbuoy. Program and test birds and acoustic pods. Change batteries and stage SRD's. Install sync cable between EM122 and Knudsen 3260. Complete wiring on USS bay microSV. Begin staging PAM gear.	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	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

PSO

Dubuque	Amanda
Frey	Cassandra
Piko	Amy
Schmitt	Amy
Portocarrero	Claudia

Plan for Tomorrow

Continue work along side M pier at Veterans Terminal preparing for USGS cruise.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	50.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime:

External Downtime:

Prime: 0.000 Sail km Acquisition 0:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 0.000 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Air #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Air 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

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

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

Total: 0:00

Transit 0:00

Lamont-Doherty Earth Observatory
COLUMBIA UNIVERSITY | EARTH INSTITUTE

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PSO	Acquisitio	Line Chan	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
	15:47	8:13	
Ship			

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: MGL1506

Date: 9/Apr/15

Reporter: DMM

Daily Report

Midnight Position / Info

deg min Speed over Ground: 0
Lat: 32° 051.191 N Heading: 47
Lon: 79° 056.997 W
Water Depth: N/A
Wind: 5 kt Seas: calm Night SP: N/A

Current Equipment Deployed

All Equipment onboard In Port

Technical Staff

Martinson	David	Science Officer
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

The Vessel began the day pierside in Charleston, SC (Veterans Terminal Pier Mike). Completed equipment staging tasks. Completed new crew orientation. Completed securing for sea.

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	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

PSO

Dubuque	Amanda
Frey	Cassandra
Piko	Amy
Schmitt	Amy
Portocarrero	Claudia

Plan for Tomorrow

Depart Charleston at 9 am local and begin transit to "roll bias" calibration site.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Prime:	0.000 Sail km	Acquisition	0:00
		Line Change	0:00
Infill:	0.000 Sail km	Weather Downtime	0:00
		Technical Downtime	0:00
Reshoot:	0.000 Sail km	External Downtime	0:00
Total:	0.000 Sail km	S Rosette Drop Test	0:00
		OBS Deployment	0:00
Total KM w/ 6600 in3 Al #REF!	Sail km	Recovery	0:00
Total KM w/3300 in3 Ar 0.00	Sail km	CTD Cast	0:00
Total both Sources: #REF!	Sail km	ivity Core	0:00
		Piston Core	0:00
KM Remaining 6600in3 #REF!		Multi Core	0:00
KM Remaining 3300in3 #REF!		Sonar Survey	0:00
Total KM Remaining #REF!	Sail km		

Time Breakdown:

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

External Downtime:

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

Total: 0:00

Total: 0:00

Total: 24:00



Sail Line KM

[illegible]

Cruise: MGL1506

Date: 10/Apr/15

Reporter: DMM

Daily Report

Midnight Position / Info

deg min speed over Ground: 11.2
Lat: 31° 053.225 N Heading: 101.3
Lon: 76° 026.573 W
Water Depth: 2560
Wind: 12 Seas: 1m Night SP: N/A

Current Equipment Deployed

All Equipment onboard In Port

Technical Staff

Martinson David Science Officer
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Systems Status

Langseth departed Charleston at 0900 am local time and began the transit to the roll bias calibration site.	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	No Major Issues to Report

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

PSO

Dubuque Amanda
Frey Cassandra
Piko Amy
Schmitt Amy
Portocarrero Claudia

Plan for Tomorrow

Complete roll bias calibration and magnetometer calibration. Begin deployment of towed gear.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime:

External Downtime:

Prime: 0.000 Sail km Acquisition 0:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 0.000 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail kmivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

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

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

Total: 0:00

Total: 24:00



Sail Line KM

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0.000

Cruise: MGL1506

Date: 11/Apr/15

Reporter: DMM

Daily Report

Midnight Position / Info

deg min **Speed over Ground:** 4.02
Lat: 32° 007.094 N **Heading:** 101.3
Lon: 74° 024.056 W

 Water Depth: 3399.3
Wind: 10 **Seas:** 1m **Height SP:** N/A

Current Equipment Deployed

All Equipment onboard In Port

Technical Staff

Martinson	David	Science Officer
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Roll bias test and magnetometer calibration successfully completed. Deployed streamer. Deployed guns. Deployed Pam and Magnetometer. Plan to begin acquisition at daylight once the PSO's have given us a green light.

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.	Knudsen failed. Chirp 3260 would not power up. Problem was resolved and system is operational.
Science	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

PSO

Dubuque	Amanda
Frey	Cassandra
Piko	Amy
Schmitt	Amy
Portocarrero	Claudia

Plan for Tomorrow

Acquire MGL1506MCS01. Begin acquisition of MGL1506MCS02.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Prime: **0.000 Sail km** *Acquisition* 0:00
 Line Change 0:00
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 15:35
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Time Breakdown:

Total: **0.000 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Air #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Air 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 1:04
Total KM Remaining #REF! **Sail km**

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 13:13
Air Compressor 0:00
Other 2:22
Ship Repair 0:00

Total: 15:35

External Downtime:

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

Total: 0:00

Transit 7:21

Total: 24:00

Time Breakdown

[illegible]

PSO	Acquisitio	Line Chan	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuve
	11:00	13:00	
Ship			

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

Midnight Position / Info

deg min speed over Ground: 4.6
Lat: 32° 050.536 N Heading: 47.8
Lon: 74° 010.206 W
Water Depth: 4730
Wind: E 16 Seas: 1 m 24:00 SP: 2750

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

Daily Summary

Systems Status

Complete acquisition of MGL1506MSC01. Begin acquisition of MGL1506MCS02	Nav	No Major Issues to Report
	IT	Network issue causing Seapath 200 and Cnav 3050 to go offline. Cause undetermined.
	ACQ	No Major Issues to Report
	Source	No Major Issues to Report.
	Misc.	No Major Issues to Report.
	Science	No Major Issues to Report

Plan for Tomorrow

Complete acquisition of MGL1506MCS02. Begin acquisition of MGL1506MCS03.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 87.050 Sail km Acquisition 10:24
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 13:36
Total: 87.050 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Al #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

Mitigation / PAM 0:00
Maneuvering 13:36
Fishing Gear 0:00
Weather 0:00

Total: 13:36

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

87.050

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 4.6
Lat: 32° 050.536 N **Heading:** 47.8
Lon: 74° 010.206 W

 Water Depth: 4730
Wind: E 16 **Seas:** 1 m **24:00 SP:** 2750

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MSC01. Begin acquisition of MGL1506MCS02.	Nav	No Major Issues to Report
	IT	Network issue causing Seapath and Cnav 3050 to go offline. Cause undetermined.
	ACQ	No Major Issues to Report
	Source	No Major Issues to Report.
	Misc.	No Major Issues to Report.
	Science	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS02. Begin acquisition of MGL1506MCS03.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: **204.363 Sail km** *Acquisition* 24:00
 Line Change 0:00
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 0:00
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Total: **204.363 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Transit 0:00

Total: 24:00

Time Breakdown

[illegible]

PSO	Acquisitio	Line Chan	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
0:00	Sail	204.363	Sail	0.000	Sail	0.000
CMP Line KM						
204.363		204.363		0.000		0.000

Midnight Position / Info

deg min speed over Ground: 4.6
Lat: 31° 039.297 N Heading: 47.8
Lon: 73° 009.409 W
Water Depth: 5316.5
Wind: SE 20 Seas: 1 m 24:00 SP: 6842

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MSC02. Begin acquisition of MGL1506MCS03.	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	No Major Issues to Report

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS03. Begin acquisition of MGL1506MCS04.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 243.000 Sail km Acquisition 24:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 243.000 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Air #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Air 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail kmivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Transit 0:00

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[illegible]

PSO	Acquisition	Line Channel	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

0:00

243.000

Sail

243.000

243.000

Sail

0.000

0.000

Sail

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 4.3
Lat: 30° 003.688 N Heading: 137.1
Lon: 72° 001.213 W
Water Depth: 5397.8
Wind: S 14 Seas: 1 m 24:00 SP: 10750

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

Daily Summary

Systems Status

Complete acquisition of MGL1506MSC03. Complete acquisition of MGL1506MCS04. Complete acquisition of MGL1506MCS05. Begin aquisiton of MGL1506MCS06.	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	No Major Issues to Report

Plan for Tomorrow

Complete acquisition of MGL1506MCS06. Begin acquisition of MGL1506MCS07.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 255.750 Sail km Acquisition 23:33
Line Change 0:27
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 255.750 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Air #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Air 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail kmivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

255.750

Sail

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 4.2
Lat: 31° 024.214 N Heading: 302.8
Lon: 70° 056.588 W
Water Depth: 5411.9
Wind: W 12 Seas: 2 m 24:00 SP: 15218

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Systems Status

Acquiring MGL1506MCS06. Total line kilometers to date - 1028.976	Nav	Bridge Spectra is non-operational d/t networking issues. Bridge Digicourse was just made operational.
	IT	Loss of SEG D occurred potentially during "rysnc" and/or remote read/copy. Date of incident was April 13th, and is being thoroughly investigated. Cause is as yet
	ACQ	No Major Issues to Report
	Source	Air leak, bad jumper, failed CTX, failed solenoid pigtail, and failed GPS necessitated pickup and repair of source array 4
	Misc.	Streamer control is problematic with the seas and is now being towed at 12 meters. Compass/acoustic line issues are being managed.
	Science	The pco2 system is exhibiting problems with the flow controller and the atmos intake. Adjustments/repairs underway. Gravimeter "DNV" indicator has been on intermittently, but sea state appears to be the cause.

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS06. Begin acquisition of MGL1506MCS07.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOf	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 238.813 Sail km Acquisition 24:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 238.813 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

238.813

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 4.1
Lat: 32° 026.301 N **Heading:** 115.1
Lon: 71° 008.179 W

Water Depth: 5401.6
Wind: S 14 **Seas:** 2 m **24:00 SP:** 19040

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS06. Acquire MGL1506MCS07. Begin acquisition of MGL1506MCS08. Total line kilometers to date - 1244.539.	Nav	Bridge Spectra problems sorted. System not booted up yet, will do so next time entire Spectra system is restarted.
	IT	No Major Issues to Report
	ACQ	No Major Issues to Report
	Source	No problems to report. Planned maintenance on array 2 and possibly array 1 at end of MGL1506MCS08.
	Misc.	Streamer control is problematic with the seas and is now being towed at 12 meters. Compass/acoustic line issues are being managed.
	Science	Gravimeter issues are sea state related. The pco2 is still not operating at 100%. It appears the flow control valve is failing.

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS08. Begin acquisition of MGL1506MCS09.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOf	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 215.563 Sail km Acquisition 23:53
Line Change 0:07
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00

Total: 215.563 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

215.563

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 4.1
Lat: 32° 026.301 N Heading: 115.1
Lon: 71° 008.179 W
Water Depth: 5405
Wind: S 14 Seas: 1 m 24:00 SP: 22898

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Systems Status

Complete acquisition ofMGL1506MCS08. Begin acquisition of MGL1506MCS09. Total line kilometers to date - 1443.664.	Nav	Spectra would only issue one shotpoint when enabled "online & run-in". Several reboots and restarts did not solve issue. System works fine online with run-in.
	IT	No Major Issues to Report
	ACQ	Syntrak "froze" requiring all three VME chassis to be power-cycled and rebooted as well as workstation. One hour of data was lost.
	Source	Maintenance on arrays 1 & 2 was done during long line change between MCS08 and MCS09. Source is 100% operational.
	Misc.	No Major Issues to Report
	Science	The pco2 is still not operating at 100%. It appears the flow control valve is failing.

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

Plan for Tomorrow

Continue acquisition of MGL1506MCS09.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 199.125 Sail km Acquisition 21:56
Line Change 2:04
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 199.125 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisitio	Line Chan	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuve
Ship			

199.125

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 4.2
Lat: 32° 047.194 N Heading: 335.1
Lon: 70° 043.359 W
Water Depth: 5410.3
Wind: SE 9 Seas: 1 m 24:00 SP: 31626

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

Daily Summary

Systems Status

Continue acquisition of MGL1506MCS09. Total line kilometers to date - 1672.039.	Nav	No Major Issues to Report
	IT	No Major Issues to Report
	ACQ	Syntrak "froze" again requiring all three VME chassis to be power-cycled and rebooted. A DCO board was replaced in the MSRS. There was a loss of 43
	Source	No Major Issues to Report
	Misc.	Compressor issues necessitated switching compressors. There was a loss of 15 shotpoints.
	Science	The pco2 is still not operating at 100%. It appears the flow control valve is failing.

Plan for Tomorrow

Complete acquisition of MGL1506MCS09. Acquire MGL1506MCS10. Begin acquisition of MGL1506MCS11.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 228.375 Sail km Acquisition 24:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 228.375 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Transit 0:00

Total: 24:00

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Time Breakdown

[illegible]

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

0:00

CMP Line KM

228.375

Sail

Prime
228.375

228.375

Sail

Infill
0.000

0.000

Sail

Reshoot
0.000

0.000

Midnight Position / Info

deg min

Speed over Ground: 3.8

Lat: 34° 017.184 N

Heading: 335.4

Lon: 61° 032.297 W

Water Depth: 4853.6

Wind: SE 23

Seas: 2 m

24:00 SP: 35281

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS09. Acquire MGL1506MCS10. Begin acquisition of MGL1506MCS11. Total line kilometers to date - 1915.477.	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	No Major Issues to Report

Plan for Tomorrow

Complete acquisition of MGL1506MCS11. Begin acquisition of MGL1506MCS12.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 243.438 Sail km

Acquisition 23:52

Infill: 0.000 Sail km

Line Change 0:08

Weather Downtime 0:00

Technical Downtime 0:00

Reshoot: 0.000 Sail km

External Downtime 0:00

Total: 243.438 Sail km

S Rosette Drop Test 0:00

OBS Deployment 0:00

Total KM w/ 6600 in3 Ar #REF!

Sail km Recovery 0:00

Total KM w/3300 in3 Ar 0.00

Sail km CTD Cast 0:00

Total both Sources: #REF!

Sail km ivity Core 0:00

Piston Core 0:00

KM Remaining 6600in3 #REF!

Multi Core 0:00

KM Remaining 3300in3 #REF!

Sonar Survey 0:00

Total KM Remaining #REF!

Sail km

Instrument Acq 0:00

Instrument Nav 0:00

Hydraulics 0:00

Source 0:00

Streamer 0:00

Air Compressor 0:00

Other 0:00

Ship Repair 0:00

Mitigation / PAM 0:00

Maneuvering 0:00

Fishing Gear 0:00

Weather 0:00

Total: 0:00

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

243.438

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 5
Lat: 34° 049.184 N **Heading:** 341.7
Lon: 70° 008.172 W

 Water Depth: 5073.3
Wind: S 5 **Seas:** 2 m **24:00 SP:** 40353

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS11. Begin acquisition of MGL1506MCS12. Total line kilometers to date - 2108.852.	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	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS12. Begin acquisition of MGL1506MCS13.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: **198.375 Sail km** *Acquisition* 23:58
 Line Change 0:02
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 0:00
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Total: **198.375 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

198.375

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 3.4
Lat: 35° 031.418 N **Heading:** 87.9
Lon: 69° 029.539 W

 Water Depth: 4868.1
Wind: W 15 **Seas:** 1 m **24:00 SP:** 44654

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS12. Begin acquisition of MGL1506MCS13. Total line kilometers to date - 2308.755.	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	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS13. Begin acquisition of MGL1506MCS14.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: **194.813 Sail km** *Acquisition* 23:58
 Line Change 0:02
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 0:00
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Total: **194.813 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Transit 0:00

Total: 24:00

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Time Breakdown

[illegible]

PSO	Acquisition	Line Channel	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time		Prime		Infill		Reshoot
0:00	Sail	194.813	Sail	0.000	Sail	0.000
CMP Line KM						
194.813		194.813		0.000		0.000

Midnight Position / Info

deg min Speed over Ground: 3.6
Lat: 36° 001.488 N **Heading:** 87.9
Lon: 67° 058.196 W

 Water Depth: 4836.1
Wind: S 17 **Seas:** 1 m **24:00 SP:** 49472

Current Equipment Deployed

1 - 8 kilometer streamer, 4 - source arrays, maggie, and PAM

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS13. Begin acquisition of MGL1506MCS14. Total line kilometers to date - 2483.88.	Nav	No Major Issues to Report
	IT	No Major Issues to Report
	ACQ	Compass/Acoustic line is still very problematic. Adds to the Nav processing effort.
	Source	Array 2 was retrieved to resolve an autofire situation on gun 2.
	Misc.	No Major Issues to Report
	Science	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS14. Acquire MGL1506MCS15. Begin acquisition of MGL1506MCS16.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: **175.125 Sail km** *Acquisition* 23:58
 Line Change 0:02
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 0:00
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Total: **175.125 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

Total Time		Prime		Infill		Reshoot
0:00	Sail	175.125	Sail	0.000	Sail	0.000
CMP Line KM						
175.125		175.125		0.000		0.000

Midnight Position / Info

deg min speed over Ground: 3.1
Lat: 37° 010.371 N Heading: 338.9
Lon: 68° 032.175 W
Water Depth: 4777.1
Wind: NNW 24 Seas: 2 m 24:00 SP: 52579

Current Equipment Deployed

1 - 8 kilometer streamer and 4 sound source arrays.
Magnetometer on board
PAM on board

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS14. Acquire MGL1506MCS15 Begin acquisition of MGL1506MCS16. Total line kilometers to date - 2737.228.	Nav	No Major Issues to Report
	IT	UPS failed on Main deck network switches. Temporary solution in place.
	ACQ	Compass/Acoustic line is still very problematic. Adds to the Nav processing effort.
	Source	No Major Issues to Report
	Misc.	No Major Issues to Report
	Science	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS16. Begin acquisition of MGL1506MCS17.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 253.438 Sail km Acquisition 23:55
Line Change 0:05
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 253.438 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Air #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Air 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail kmivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

253.438

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 4.3
Lat: 36° 017.382 N **Heading:** 165.1
Lon: 67° 019.056 W

 Water Depth: 5012.2
Wind: N 22 **Seas:** 2 -4 m **24:00 SP:** 56897

Current Equipment Deployed

1 - 8 kilometer streamer and 4 sound source arrays.
Magnetometer deployed
PAM deployed

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS16. Acquire MGL1506MCS17 Begin acquisition of MGL1506MCS18. Total preplot line kilometers to date - 2437.528.	Nav	PosMV heading error of 10 degrees. Problem unresolved
	IT	No Major Issues to Report
	ACQ	Compass/Acoustic line is still very problematic. Adds to the Nav processing effort.
	Source	Arrays 1, 2, & 3 retrieved d/t bad weather
	Misc.	No Major Issues to Report
	Science	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS18. Acquire MGL1506MCS19. Begin acquisition of MGL1506MCS20.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: **233.875 Sail km** *Acquisition* 23:53
 Line Change 0:07
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 0:00
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Total: **233.875 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

233.875

Sail

0.000

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 4.7
Lat: 36° 058.556 N Heading: 347.5
Lon: 66° 053.284 W
Water Depth: 5012.2
Wind: NNW 23 Seas: 3-4 m 24:00 SP: 5001.5

Current Equipment Deployed

1 - 8 kilometer streamer and 4 sound source arrays.
Magnetometer deployed
PAM deployed

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS18. Acquire MGL1506MCS18A. Acquire MGL1506MCS19. Begin acquisition of MGL1506MCS20. Total preplot line kilometers to date is approximately 2682.	Nav	PosMV heading error of 10 degrees. Problem unresolved
	IT	No Major Issues to Report
	ACQ	No Major Issues to Report
	Source	No Major Issues to Report
	Misc.	Loss of compressors created a gap in online coverage. Survey was restarted at 18A.
	Science	No Major Issues to Report

Plan for Tomorrow

Complete acquisition of MGL1506MCS20. Begin acquisition of MGL1506MCS21.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 245.525 Sail km Acquisition 22:12
Line Change 0:06
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:51
Reshoot: 0.000 Sail km External Downtime 0:51
Total: 245.525 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:51
Other 0:00
Ship Repair 0:00

Total: 0:51

Mitigation / PAM 0:15
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00
Ramp Up 0:36

Total: 0:51

Port Call 0:00
Transit 0:00

Total: 24:00

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Time Breakdown

	Time	Amount of Time	Event	PRIME				INFILL				Reshoot			
				FSP	LSP	Total SP	Sail Line KM	FSP	LSP	Total	Sail Line KM	FSP	LSP	Total	Sail Line KM
0:00	12:28	12:28	MGL1506MCS18	61942	63865	1923	120.188								
12:28	13:19	0:51	Compressors	0	0	0	0.000								
13:19	13:55	0:36	Ramp Up	0	0	0	0.000								
13:55	14:18	0:23	MGL1506MCS18A	64100	64174	74	3.700								
14:18	14:20	0:02	Line Change	0	0	0	0.000								
14:20	18:01	3:41	MGL1506MCS19	64542	65521	979	61.188								
18:01	18:16	0:15	Mitigation for dolphins	0	0	0	0.000								
18:16	21:51	3:35	MGL1506MCS19	65587	66470	883	44.150								
21:51	21:55	0:04	Line Change	0	0	0	0.000								
21:55	0:00	2:05	MGL1506MCS20	66662	66988	326	16.300								
	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	Acquisitio	Line Chan	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time															
0:00						Sail	245.525			Sail	0.000			Sail	0.000
CMP Line KM															
245.525							245.525				0.000				0.000

Midnight Position / Info

deg min Speed over Ground: 4.3
Lat: 38° 012.577 N **Heading:** 181.9
Lon: 66° 011.330 W

 Water Depth: 4733
Wind: NE 14 **Seas:** 1-2 m **24:00 SP:** 66989

Current Equipment Deployed

1 - 8 kilometer streamer and 4 sound source arrays.
Magnetometer deployed
PAM deployed

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS20. Begin acquisition of MGL1506MCS21. Total preplot line kilometers to date is approximately 2857.	Nav	PosMV heading error of 10 degrees. Problem unresolved
	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	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS21. Begin acquisition of MGL1506MCS22.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: **233.438 Sail km** *Acquisition* 21:34
 Line Change 2:26
Infill: **0.000 Sail km** *Weather Downtime* 0:00
 Technical Downtime 0:00
Reshoot: **0.000 Sail km** *External Downtime* 0:00

Total: **233.438 Sail km** *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

233.438

Sail

0.000

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 7
Lat: 38° 031.047 N **Heading:** 325
Lon: 65° 033.280 W
Water Depth: 4726
Wind: N 40+ **Seas:** 6-7 m **24:00 SP:** 71095

Current Equipment Deployed

1 - 8 kilometer streamer
Magnetometer deployed

Technical Staff

Martinson	David	Science Officer
Guerin	Gilles	LDEO Researcher
Spoto	Tom	Chief Source Mech
Gutierrez	Carlos	Marine Tech Source
Kasinger	Josh	Marine Tech Source
Hatton	Ray	Marine Tech Source
Thompson	Alan	Marine Tech
Martello	Mike	Navigation
Curtis	Klayton	Acquisition

Daily Summary

Systems Status

Complete acquisition of MGL1506MCS21. Begin acquisition of MGL1506MCS21. Early end of line due rapidly deteriorating weather conditions. Total preplot line kilometers to date is approximately 2978.

Nav	PosMV heading error of 10 degrees. Problem unresolved
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	Stbd compressor failure
Science	No Major Issues to Report

Science Party

Hutchinson	Deb	PI
Miller	Nathan	Co-PI
Wood	Warren	Co-PI
Baldwin	Wayne	USGS
Moore	Eric	USGS
Arsenault	Matt	USGS
Sliter	Ray	USGS

Plan for Tomorrow

Hopefully complete acquisition of MGL1506MCS22.

Work List Items	Progress	Work List Items	Progress
Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
Config New NSS/SurvOP	0.00%	Run Serial Cable from W	80.00%
New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque	Amanda	RPS
Frey	Cassandra	RPS
Piko	Amy	RPS
Schmitt	Amy	RPS
Portocarrero	Claudia	RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 133.375 Sail km *Acquisition* 21:25
 Line Change 0:38
Infill: 0.000 Sail km *Weather Downtime* 0:00
 Technical Downtime 1:40
Reshoot: 0.000 Sail km *External Downtime* 0:17

Total: 133.375 Sail km *S Rosette Drop Test* 0:00
 OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! **Sail km** *Recovery* 0:00
Total KM w/3300 in3 Ar 0.00 **Sail km** *CTD Cast* 0:00
Total both Sources: #REF! **Sail km** *ivity Core* 0:00
 Piston Core 0:00
KM Remaining 6600in3 #REF! *Multi Core* 0:00
KM Remaining 3300in3 #REF! *Sonar Survey* 0:00
Total KM Remaining #REF! **Sail km**

Instrument Acq 0:00
Instrument Nav 0:00
Hydraulics 0:00
Source 1:40
Streamer 0:00
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 1:40

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:17
Ramp Up 0:00

Total: 0:17

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

133.375

Sail

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 4.7
Lat: 38° 031.516 N Heading: 326.4
Lon: 65° 033.591 W
Water Depth: 4726
Wind: N 40+ Seas: 6-7 m 24:00 SP: N/A

Current Equipment Deployed

1 - 8 kilometer streamer
Magnetometer deployed
PAM deployed
4 source arrays deployed

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Standby for weather. Acquired Multibeam and Chirp data. Acquired ambient noise data on streamer. Deployed soure and began acquisition of MGL1506MCS23 (line MGL1506MCS22 renamed d/t change of sample rate).

Systems Status

Nav	PosMV heading error of 10 degrees. Problem unresolved
IT	No Major Issues to Report
ACQ	No Major Issues to Report
Source	No Major Issues to Report
Misc.	Stbd compressor failure
Science	No Major Issues to Report

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

Plan for Tomorrow

Complete acquisition of MGL1506MCS23. Retrieve gear and begin transit to NY.

Work List Items	Progress	Work List Items	Progress
Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
Config New NS5/SurvOP	0.00%	Run Serial Cable from W	80.00%
New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

MCS Acquisition:

Prime: 47.250 Sail km Acquisition 5:44
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 1:47
Reshoot: 0.000 Sail km External Downtime 16:29
Total: 47.250 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Time Breakdown:

Technical Downtime

Instrument Acq 0:00
Instrument Nav 0:00
Hydraulics 0:00
Source 1:47
Streamer 0:00
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 16:29
Ramp Up 0:00

Total: 1:47

Total: 16:29

Total: 24:00

Time Breakdown

PSO	Acquisition	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			

0.000

0.000

Midnight Position / Info

deg min speed over Ground: 3.6
Lat: 40° 005.581 N Heading: 334.1
Lon: 66° 050.116 W
Water Depth: 3625
Wind: N 17 Seas: 2 m 24:00 SP: 78041

Current Equipment Deployed

1 - 8 kilometer streamer
Magnetometer deployed
PAM deployed
4 source arrays deployed

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

Daily Summary

Systems Status

Acquired MGL1506MCS23 until time ran out. Retrieved PAM, Magnetometer, source arrays, and streamer. Began transit to Brooklyn Navy Yard.	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.	Stbd compressor failure
	Science	No Major Issues to Report

Plan for Tomorrow

Continue transit to Brooklyn Navy Yard, NY.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NS5/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 37.188 Sail km Acquisition 4:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 6:33
Reshoot: 0.000 Sail km External Downtime 0:07
Total: 37.188 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Ar #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Ar 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 0:00
Hydraulics 0:00
Source 1:23
Streamer 5:02
Air Compressor 0:00
Other 0:08
Ship Repair 0:00

Total: 6:33

Mitigation / PAM 0:07
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00
Ramp Up 0:00

Total: 0:07

Transit 13:20

Total: 24:00

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Time Breakdown

[illegible]

PSO	Acquisition	Line Channel	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
Ship			

Total Time

0:00

Sail

Prime

37.188

Sail

Infill

0.000

Sail

Reshoot

0.000

CMP Line KM

37.188

37.188

0.000

0.000

Midnight Position / Info

deg min Speed over Ground: 4.6
Lat: 40° 041.512 N Heading: 17.5
Lon: 74° 016.704 W
Water Depth: N/A
Wind: N 7 Seas: calm 24:00 SP: N/A

Current Equipment Deployed

Technical Staff

Martinson David Science Officer
Guerin Gilles LDEO Researcher
Spoto Tom Chief Source Mech
Gutierrez Carlos Marine Tech Source
Kasinger Josh Marine Tech Source
Hatton Ray Marine Tech Source
Thompson Alan Marine Tech
Martello Mike Navigation
Curtis Klayton Acquisition

Daily Summary

Systems Status

Transit to Brooklyn Navy Yard.	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	No Major Issues to Report

Science Party

Hutchinson Deb PI
Miller Nathan Co-PI
Wood Warren Co-PI
Baldwin Wayne USGS
Moore Eric USGS
Arsenault Matt USGS
Sliter Ray USGS

Plan for Tomorrow

Pierside demob.		Work List Items	Progress	Work List Items	Progress
		Inv of SCI Spaces for Inc	100.00%	Exercise Work Boat	100.00%
		Relocate TB #2 to Str De	100.00%	Install PSO shelter on M	100.00%
		Offloading of 3km Str 1	0.00%	Install Big Eyes on MMC	100.00%
		Re-Wiring of Port Barov	0.00%	Install Phone, CCTV, and	100.00%
		Installing SBE38 (USS)	100.00%	De-Rig old TV antenna	100.00%
		Working on Sync EM122	100.00%	Repair Sprockets on Bar	75.00%
		Config New NS5/SurvOP	0.00%	Run Serial Cable from W	80.00%
		New TB Mast Manufact	100.00%	Re-Terminate Wide Tow	0.00%
		Repair Aft Lift Line Port	100.00%	Complete Lube List of B	0.00%
		Repair Securing Line Po	100.00%	MET data to NOAA (SCS	100.00%

PSO

Dubuque Amanda RPS
Frey Cassandra RPS
Piko Amy RPS
Schmitt Amy RPS
Portocarrero Claudia RPS

MCS Acquisition:

Time Breakdown:

Technical Downtime

External Downtime:

Prime: 0.000 Sail km Acquisition 0:00
Line Change 0:00
Infill: 0.000 Sail km Weather Downtime 0:00
Technical Downtime 0:00
Reshoot: 0.000 Sail km External Downtime 0:00
Total: 0.000 Sail km S Rosette Drop Test 0:00
OBS Deployment 0:00
Total KM w/ 6600 in3 Air #REF! Sail km Recovery 0:00
Total KM w/3300 in3 Air 0.00 Sail km CTD Cast 0:00
Total both Sources: #REF! Sail km ivity Core 0:00
Piston Core 0:00
KM Remaining 6600in3 #REF! Multi Core 0:00
KM Remaining 3300in3 #REF! Sonar Survey 0:00
Total KM Remaining #REF! Sail km

Instrument Acq 0:00
Instrument Nav 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

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

Total: 0:00

Transit 24:00

Total: 24:00

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Time Breakdown

[illegible]

PSO	Acquisition	Line Chan	Nav	Total Time	Prime	Infill	Reshoot
				0:00	0.000	0.000	0.000
Other	Source	Streamer	ACQ	CMP Line KM			
				0.000	0.000	0.000	0.000
WX	Transit	Port Call	Maneuvering				
Ship							