

Midnight Position / Info

Lat: 40° 048.289 N
Lon: 73° 047.734 W

Speed over Ground: In Port
Heading: In Port

Water Depth: In Port

Wind: Calm Seas: Calm

Current Equipment Deployed

None - Along side SUNY Maritime Collage Dock.

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
TBD		Contract (OBS)
TBD		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel arrived alongside SUNY Maritime's Facility. Continued Mobilizing for MGL1405.		Work List	% Complete	Work list	% Complete
		Complete Re-building of Source	75.00%		
		Install all source Elements	45.00%		
		Network/Firewall updates	75.00%		
		New WX Station Install	65.00%		
		Seisnet Admin	30.00%		
		Cabling for winch booth	80.00%		
		Repair Maggie Winch Remote	0.00%		
		LCI-90i cable / programming	90.00%		
		Install PAM	0.00%		
		Make Sep Ropes 15m	0.00%		
		Markey DESH5 - Slip Ring	0.00%		

Plan for Tomorrow

Continue alongside SUNY Maritime's Facility - Mobilizing for MGL1405		Major Science Equipment	Status	Major Science Equipment	Status
		SPECTRA	Operational	CNav3050	Operational
		Syntrak	Operational	EM122	Operational
		DigiCourse	Operational	Knudsen SBP	Operational
		DigiSHOT	Operational	BGM-3 Gravimeter	Not Onboard
		Sea Path	Operational	882 Magnetometer	Off-Line
		PosMV	Operational	TSG	Operational
		PosNet	Operational	PCo2	Operational
		SeisNET 1	Operational	HSN	Operational
		SeisNET 2	Operational	FBB	Operational
		PROC 1	Operational	MicoSV	Operational
		PROC 2	Operational	META (Weather)	Operational
		CNav2000	Operational	ADCP	None Operational

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

Technical Downtime:

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

Total: 24:00

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Time Breakdown

[illegible]

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Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

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Ortega	Mike	Geometric's FS Engineer
Lippus	Craig	Geometric's FS Engineer

Plan for Tomorrow

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PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
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Piston Core 0:00
Multi Core 0:00
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Technical Downtime:

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Instrument Navigation 0:00
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Source 0:00
Streamer 0:00
Air Compressor 0:00
Other
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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Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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Plan for Tomorrow

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Marcella	Laura	Contract RPS Lead PAM
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Technical Downtime:

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Source 0:00
Streamer 0:00
Air Compressor 0:00
Other

Total: 0:00

External Downtime:

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

Total: 0:00

<p><i>Total: 24:00</i></p>	
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Total: 0:00

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Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:00

Port Call 24:00
Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

Total: 24:00	
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Time Breakdown

[illegible]

Transit 6:39

Total: 24:00	
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Time Breakdown

[illegible]

Midnight Position / Info

deg min
Lat: 39° 015.199 N
Lon: 72° 053.676 W

Speed over Ground: 3.6 Kts
Heading: 305 Deg

Water Depth: 4-Mar

Wind: NW 10-15 Seas: 1-2m

Current Equipment Deployed

Streamer 4
Deploying Streamer 1

Technical Staff Onboard:

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Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day transiting to the Mission area. At ~06:06 Deployment of Streamer 4 was started and continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESHS - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

Vessel will start the day continuing with the deployment of Streamer 4. Once that is completed the vessel will start the deployment of Streamer 1. Shortly after dawn the vessel will deploy Sub-Array #1 and begin an once the area is cleared by the PSO will start acquiring some 2D transects before TS Arthur moves through the area.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Not Onboard
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	None 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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 17:54
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 6:06

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 17:54
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 17:54

External Downtime:

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

Total: 0:00

<p><i>Total: 24:00</i></p>	
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Time Breakdown

[illegible]

Midnight Position / Info

deg min
Lat: 39° 015.199 N
Lon: 72° 053.676 W

Speed over Ground: 3.6 Kts
Heading: 305 Deg

Water Depth: 4-Mar

Wind: NW 10-15 Seas: 1-2m

Current Equipment Deployed

Streamer 4
Deploying Streamer 1

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
TBD		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day transiting to the Mission area. At ~06:06 Deployment of Streamer 4 was started and continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Plan for Tomorrow

Vessel will start the day continuing with the deployment of Streamer 4. Once that is completed the vessel will start the deployment of Streamer 1. Shortly after dawn the vessel will deploy Sub-Array #1 and begin an once the area is cleared by the PSO will start acquiring some 2D transects before TS Arthur moves through the area.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Not Onboard
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	None Operational

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 17:54
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

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 17:54
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 17:54

External Downtime:

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

Total: 0:00

Port Call 0:00
Transit 6:06

Total: 24:00	
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Time Breakdown

[illegible]

Midnight Position / Info

deg min
Lat: 39° 39 06.920 N
Lon: 73° 39 29.082 W

Speed over Ground: 4.4 kts
Heading: 296.1 Deg

Water Depth: 27.0m

Wind: SW 20-25 Seas: 1-2m

Current Equipment Deployed

Streamer 1 & 4
Sub-Array 1

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
TBD		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day continuing to deploy streamer 4. At 01:37 UTC streamer 4 was completed and at 02:08 UTC Deployment of Streamer 1 started. At 09:38 UTC Sub-Array 1 was deployed and ramped up by 10:05 UTC. At 11:13 UTC Production began on Line 2860OL while the deployment of Streamer 1 was completed. At 11:34 UTC Streamer 1 deployment was completed and production continued on 2860L. At 16:22 Line 2860OL was completed and a line change was started. At 17:35 Production began on Line 1948OL and continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

Vessel will start the day continuing production on Line 1948OL. Once completed will make a line change to 1012OL, 1972OL, and should finish up the day on 2836OL. We are expecting to start see the effects of Hurricane Arthur later in the afternoon which might interrupt science operation depending on the severity

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Not Onboard
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	None 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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

MCS Production:

Prime: 91.225 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 91.225 Sail km

Time Breakdown:

Production 11:34
Line Change 1:01
Weather Downtime 0:00
Technical Downtime 11:13
External Downtime 0:12
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

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 11:13
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 11:13

External Downtime:

Mitigation / PAM 0:12
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:12

Total: 24:00	
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Time Breakdown

[illegible]

Midnight Position / Info

deg min
Lat: 39° 30 59.1 N
Lon: 73° 38 12.55 W
Speed over Ground: 5.0 kts
Heading: 168.8 Deg
Water Depth: 24.8 m
Wind: NW 30-35 Seas: 2-4m

Current Equipment Deployed

Streamer 1 & 4

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day in production on Line 1948OL. At 00:17 UTC the Line was end an a line change was started. At 01:27 UTC Line change was completed and Line 1012OL was started. This line continued until 08:11 at which time it was ended and another line change was started. At 09:26 UTC Line 1972OL was started and continue until 15:04 UTC when it was ended early due to weather. The rest of the day was spent standing by for Weather as Hurricane Arthur passed our location.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

The vessel will start the day continuing to standby for Weather as Hurricane Arthur passes the survey area. It is hoped that by ~16:00 UTC the weather will abated enough to allow for the deployment of the deflectors and P-Cable equipment.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	None 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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

MCS Production:

Prime: 100.713 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 100.713 Sail km

Time Breakdown:

Production 12:31

Line Change 2:25

Weather Downtime 0:00

Technical Downtime 0:00

External Downtime 9:04

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

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 8:56

Total: 9:04

Total: 24:00

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Time Breakdown

	Time	Amount of Time	Event	PRIME		Total SP	Sail Line KM	INFILL		LSP	Total	Sail Line KM	RESHOOT		Total	Sail Line KM
				FSP	LSP			FSP					FSP	LSP		
0:00	0:17	0:17	Production MGL14051948OL	4954	5141	187	2.338									
0:17	1:27	1:10	Line Change													
1:27	8:11	6:44	Production MGL14051012OL	5140	862	4278	53.475									
8:11	9:26	1:15	Line Change													
9:26	9:36	0:10	Production MGL14051972OL	890	991	101	1.263									
9:36	9:40	0:04	PSO Shutdown													
9:40	10:19	0:39	Production MGL14051972OL	1032	1464	432	5.400									
10:19	10:23	0:04	PSO Shutdown													
10:23	15:04	4:41	Production MGL14051972OL	1503	4562	3059	38.238									
15:04	15:15	0:11	Recovering Source D/T Weather													
15:15	0:00	8:45	Standing by for Weather.													
0:00	0:00	#####														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														

PSO	Production	Line Change	Nav	Total Time	Prime	Infill	Reshoot
0:08	12:31	2:25		24:00	100.713	0.000	0.000
Other	Source	Streamer	ACQ	CMP Line KM			
				201.425	201.425	0.000	0.000
WX	Transit	Port Call	Maneuvering				
8:56							
Ship							

Midnight Position / Info

deg min
Lat: 39° 019.138 N
Lon: 72° 043.540 W

Speed over Ground: 4.6 kts
Heading: 128.8

Water Depth: 92.4

Wind: WNW 10-15 Seas: 2-Jan

Current Equipment Deployed

Streamer 4

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day the day standing by for Hurricane Arthur to pass the survey area and the seas to die down. At 16:07 UTC Streamer 1 was recovered to install the STU and attach it to the STBD Barovane for P-Cable Deployment. At 18:35 UTC the P-Cable deployment started which continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

The vessel will start the day continuing the P-Cable Deployment. Shortly after the day change It was clear that the Stbd Barovane did no have enough pull to take the load of all the P-Cable and Long offset streamer. At ~01:45 UTC a plan was discussed with the PI and tech staff to recover all the towed equipment with the exception of Streamer 4 so as to reconfigure the towing arrangement to give a 24 x 12.5m P-Cable array and a single long offset streamer. At 08:53 UTC all P-Cable and Streamer 1 was on board an Equipment reconfiguration and re-deployment will continue throughout the rest of the day.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	None 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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 7:53
External Downtime 16:07
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

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 7:53
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 7:53

External Downtime:

Mitigation / PAM 0:00
Maneuvering 0:00
Fishing Gear 0:00
Weather 16:07

Total: 16:07

Port Call 0:00
Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
16:07			
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
Lat: 39° 8 2.428 N
Lon: 73° 5 57.114 W

Speed over Ground: 3.9 kts
Heading: 296.3 Deg

Water Depth: N/A

Wind: SW 10-15 Seas: 1-2m

Current Equipment Deployed

Streamer 4

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day Deploying the P-Cable array. Shortly after day change it was clear that there was an issue with being able to separate the towed array properly. It was decided to recover all the P-Cable and Str 1 to make modification to the Deflector harness and other towing hardware. Before re-deploying the P-Cable over the top of Str #4 which was still out. At 15:15 UTC all modification where completed and P-Cable Deployment began. At 19:15 UTC all 24 P-Cables where deployed and the Port Deflector was being deployed when the Port Wide Tow winch failed. The rest of the day was spent trouble shooting / trying to repair the issue with the winch.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the issues with the wide tow winches. It is hope that with some shore support that the problem with the Port winch can be identified and the vessel can continue with the deployment an get into production.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	None 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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 24:00
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

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 19:15
Air Compressor 0:00
Other 0:00
Ship Repair 4:45

Total: 24:00

External Downtime:

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

Total: 0:00

	Total: 24:00
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Time Breakdown

[illegible]

Midnight Position / Info

deg min
Lat: 39° 24 54.963 N
Lon: 73° 12 47.775 W

Speed over Ground: 3.7
Heading: 301

Water Depth: 49.8

Wind: SSW 15-20 Seas: 1-2m

Current Equipment Deployed

Streamer 4
24 P-Cables
PAM
Sub-Array 1
Port and Stbd Barovanes

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day trouble shooting / trying to repair the issue with the winch. At 23:15 UTC the vessel got in production on line 1876OL and continued throughout the rest of the day. The P-Cable array is still offset forward on the Port Side of the vessel due to the issues with the Port Wide Tow Winch. It was decided that it would be best to get some data while parts where sourced for the repair of the winch.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

The vessel will start the day continuing production on 1876OL, before making a short line change to 2860OM, and then on to 1948OM through the rest of the day.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

MCS Production:

Prime: 5.200 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 5.200 Sail km

Time Breakdown:

Production 0:45
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 23:15
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

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 23:15

Total: 23:15

External Downtime:

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

Total: 0:00

Total: 24:00	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
	0:45		
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuver
Ship			
23:15			

Total Time		Prime		Infill		Reshoot
24:00	Sail	5.200	Sail	0.000	Sail	0.000
CMP Line KM						
130.000		130.000		0.000		0.000

Midnight Position / Info

deg min
Lat: 39° 37 12.55 N
Lon: 73° 28 54.45 W

Speed over Ground: 4.9
Heading: 141

Water Depth: 26.7

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

Current Equipment Deployed

Streamer 4
24 P-Cables

Port and Stbd Barovanes

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Daily Summary

The Vessel started the day acquiring data on line 1876OL, which was completed 06:12 UTC. The Vessel acquired data on the following lines afterwards 2860OM, 1948OM, and 2836OL. At 22:39 UTC the vessel received a notice to cease all air gun operations immediately for the next 24 hrs. to be in compliance with the federal courts ruling. The rest of the day was spend recovering PAM, Sub-Array 1, and standing by to honor the courts ruling.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Plan for Tomorrow

The vessel will start the day continuing to stand by for the courts ruling regarding the 24 hour shutdown. At ~11:30 UTC the vessel will begin recovery of the Port Barovane and ~10 of the P-Cables to do further trouble shooting on the Port Wide Tow Winch issues. This operation is expect to continue throughout the rest of the day.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

MCS Production:

Prime: 154.075 Sail km

Infill: 0.000 Sail km

Reshoot: 0.000 Sail km

Total: 154.075 Sail km

Time Breakdown:

Production 18:58
Line Change 3:21
Weather Downtime 0:00
Technical Downtime 1:21
External Downtime 0:20
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

Technical Downtime:

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

Total: 1:21

External Downtime:

Mitigation / PAM 0:20
Maneuvering 0:00
Fishing Gear 0:00
Weather 0:00

Total: 0:20

Total: 24:00

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Time Breakdown

	Time	Amount of Time	Event	PRIME		Total SP	Sail Line KM	INFILL		LSP	Total	Sail Line KM	RESHOOT		Total	Sail Line KM
				FSP	LSP			FSP					FSP	LSP		
0:00	6:12	6:12	Production MGL14051875OL	1244	5141	3897	48.713									
6:12	7:22	1:10	Line Change													
7:22	13:32	6:10	Production MGL14052860OM	5064	861	4203	52.538									
13:32	14:47	1:15	Line Change													
14:47	14:49	0:02	Production MGL14051948OM	868	883	15	0.188									
14:49	14:54	0:05	PSO Shutdown													
14:54	15:23	0:29	Production MGL14051948OM	1164	1227	63	0.788									
15:23	15:28	0:05	PSO Shutdown													
15:28	18:48	3:20	Production MGL14051948OM	1277	3534	2257	28.213									
18:48	18:53	0:05	PSO Shutdown													
18:53	19:11	0:18	Production MGL14051948OM	3594	3799	205	2.563									
19:11	19:16	0:05	PSO Shutdown													
19:16	21:07	1:51	Production MGL14051948OM	3857	5141	1284	16.050									
21:07	22:03	0:56	Line Change													
22:03	22:39	0:36	Production MGL14052836OL	5141	4739	402	5.025									
22:39	0:00	1:21	Standing by due to Court Injunction													
0:00	0:00	#####														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														
	0:00	0:00														

PSO	Production	Line Change	Nav
0:20	18:58	3:21	
Other	Source	Streamer	ACQ
1:21			
WX	Transit	Port Call	Maneuvering
Ship			

Total Time	Prime	Infill	Reshoot
24:00	154.075	0.000	0.000
CMP Line KM			
3851.875	3851.875	0.000	0.000

Midnight Position / Info

deg min
Lat: 39° 004.408 N
Lon: 73° 009.492 W

Speed over Ground: 2.5 Kts
Heading: 264 Deg

Water Depth: N/A

Wind: W @ 15 Kts Seas: 1-2 m

Current Equipment Deployed

No Gear Deployed Transiting to NYC Harbor

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day standing by to honor the courts ruling. The P-Cable equipment developed leakage issue ~ 03:00 UTC. At 11:59 UTC the vessel began recovering the Port Door and P-Cable Equipment to make repairs. All towed equipment other then Str 4 was finally recovered at 20:46 UTC. Sorting out of the tangled P-Cable and Troubleshooting / Repairs to the Port Wide Tow Winch commenced. At 21:29 UTC Str #4 became entangled in fishing gear and it recovery commenced. At 23:52 UTC Str #4 was fully deployed. The vessel spent the rest of the day transiting slowly to the NW while evaluating and repairing the towed equipment.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

The vessel will start the day transiting slowly to the NW while evaluating and repairing the towed equipment. At ~03:00 UTC the vessel received instruction to make it was to NYC Harbor an await further orders.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 24:00
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

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 12:01
Air Compressor 0:00
Other 11:59
Ship Repair 0:00

Total: 24:00

External Downtime:

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

Total: 0:00

Total: 24:00	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
11:59		12:01	
WX	Transit	Port Call	Maneuver
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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
Heading: In Port
Water Depth: In Port
Wind: In Port Seas: In Port

Current Equipment Deployed

In Port

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Martinson	David	Science Officer
Koprowski	Robert	Marine Tech (ACQ)
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
		Contract (OBS)
Clegg	Joe	Contract NCS Navigator
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Schaer	Jasper	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Gutierrez	Carlos	Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day transiting slowly to the NW while evaluating and repairing the towed equipment. At 03:00 UTC the vessel received instructions to return to port and offload all the P-Cable Gear / People while repairs to the Port Wide Tow Winch where taking place. At 16:45 UTC the vessel began de-rigging all P-Cable Equipment and trouble shooting / repairs to the Port Wide Tow Which where start This continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCI-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Field Service Engineer (P-Cable)

Ortega	Mike	Geometrics' FS Engineer
Lippus	Craig	Geometrics' FS Engineer

Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the Port Wide Tow Which. All P-Cable Equipment will be shipped off. Science Staff will start re-configuring the Streamer Equipment for a 4 x 75 x 3.15k array.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 16:45
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 7:15
Transit 0:00

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 3:00
Air Compressor 0:00
Other 0:00
Ship Repair 13:45

Total: 16:45

External Downtime:

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

Total: 0:00

<p><i>Total: 24:00</i></p>	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
		3:00	
WX	Transit	Port Call	Maneuvering
		7:15	
Ship			
13:45			

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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
Heading: In Port
Water Depth: In Port
Wind: In Port Seas: In Port

Current Equipment Deployed

In Port

Technical Staff Onboard:

Steinhaus Robert Chief Science Officer
Thompson Alan Marine Tech (NAV)
Guerin Gilles Marine Tech (ACQ)
Martello Mike Contract (NAV)
Perez Raul Contract (OBS)
Traceski Shane Contract NCS Observer
Clegg Joe Contract NCS Nav Processor
Traceski Shane Contract NCS Navigator
Hall Bryan Contract NCS Nav Processor
Spoto Thomas Chief Source Mechanic
Kasinger Josh Contract Source Mechanic
Hatton Ray Contract Source Mechanic

Daily Summary

The Vessel started the day trouble shooting / repairs to the Port Wide Tow Which and rigging the vessel for a 4 x 75 x 3.15km towed array. This continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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

Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the Port Wide Tow Which. Science Staff will continued re-configuring the towed equipment for a 4 x 75 x 3.15k array.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Not in use
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

Science Party

Mountain Gregory Chief Scientist (PI)
Fulthorpe Craig Co-PI
Nedimovic Mladen CO-PI
Chen Jie Watch stander
Desiage Pierre-Arnaud Watch stander
Corbalan Ana Watch stander
Baldwin Kimberly Watch stander
Newton Andrew Watch stander
Liddell Mitch Watch stander

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

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

Port Call 24:00
Transit 0:00

Total: 24:00

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Time Breakdown				PRIME				INFILL				RESHOOT			
	Time	Amount of Time	Event	FSP	LSP	Total SP	Sail Line KM	FSP	LSP	Total	Sail Line KM	FSP	LSP	Total	Sail Line KM
0:00	0:00	0:00	Secured Alongside Pier 8, Brooklyn Marine Terminal												
0:00	0:00	#####													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
PSO	Production	Line Change	Nav	Total Time				Infill				Reshoot			
				24:00				0.000				0.000			
Other	Source	Streamer	ACQ	CMP Line KM											
				0.000				0.000				0.000			
WX	Transit	Port Call	Maneuvering												
		24:00													
Ship															

Midnight Position / Info

deg min
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
Heading: In Port
Water Depth: In Port
Wind: In Port Seas: In Port

Current Equipment Deployed

In Port

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day continuing to trouble shooting / repair the Port Wide Tow Which. Also continued rigging the vessel for a 4 x 75 x 3.15km towed array and this continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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

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

Port Call 24:00
Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

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

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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
Heading: In Port
Water Depth: In Port
Wind: In Port Seas: In Port

Current Equipment Deployed

In Port

Technical Staff Onboard:

Steinhaus Robert Chief Science Officer
Thompson Alan Marine Tech (NAV)
Guerin Gilles Marine Tech (ACQ)
Martello Mike Contract (NAV)
Perez Raul Contract (OBS)
Traceski Shane Contract NCS Observer
Clegg Joe Contract NCS Nav Processor
Traceski Shane Contract NCS Navigator
Hall Bryan Contract NCS Nav Processor
Spoto Thomas Chief Source Mechanic
Kasinger Josh Contract Source Mechanic
Hatton Ray Contract Source Mechanic

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Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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

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Desiage Pierre-Arnaud Watch stander
Corbalan Ana Watch stander
Baldwin Kimberly Watch stander
Newton Andrew Watch stander
Liddell Mitch Watch stander

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
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OBS Recovery 0:00
CTD Cast 0:00
Gravity Core 0:00
Piston Core 0:00
Multi Core 0:00
Sonar Survey 0:00

Technical Downtime:

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

Port Call 24:00
Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

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

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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
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Heading: In Port
Water Depth: In Port
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Current Equipment Deployed

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Guerin	Gilles	Marine Tech (ACQ)
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LCL-90i cable / programming	90.00%		
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Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

PSO's

Ingram	Hedi	Contract RPS Lead PSO
Marcella	Laura	Contract RPS Lead PAM
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Science Party

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Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the Port Wide Tow Which. Science Staff will start working on Mold mitigation underneath Rack Room Floor. Mechanics will start re-building Sub-Arrays 2 & 3. OTDR'ing all lead-ins to get a baseline on the fibers.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
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SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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

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

Port Call 24:00
Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

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

24:00

0.000

0.000

0.000

0.000

Midnight Position / Info

deg min
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
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Water Depth: In Port
Wind: In Port Seas: In Port

Current Equipment Deployed

In Port

Technical Staff Onboard:

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Traceski	Shane	Contract NCS Navigator
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Spoto	Thomas	Chief Source Mechanic
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Daily Summary

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Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

PSO's

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Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the Port Wide Tow Which. Science Staff continued to strip and wax main lab floors. Clean up wire runs on top of MMO tower and started to run network and video Cables from Main Lab to Winch Booth.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Off-Line
DigiCourse	Operational	Knudsen SBP	Off-Line
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Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Off-Line
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PROC 1	Operational	MicoSV	Operational
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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
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OBS Rosette Drop Test 0:00
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CTD Cast 0:00
Gravity Core 0:00
Piston Core 0:00
Multi Core 0:00
Sonar Survey 0:00

Technical Downtime:

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

Port Call 24:00

Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

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

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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
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Current Equipment Deployed

In Port

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The Vessel started the day continuing to trouble shooting / repair the Port Wide Tow Which. Science Staff continued to strip and wax main lab floors. Clean up wire runs on top of MMO tower and started to run network and video Cables from Main Lab to Winch Booth and from Main Lab to STBD Wet & Dry Labs

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Markey DESH5 - Slip Ring	0.00%		

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Corbalan	Ana	Watch stander
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Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the Port Wide Tow Which. Science Staff continued to strip and wax main lab floors. Clean up wire runs on top of MMO tower and started to run network and video Cables from Main Lab to Winch Booth and from Main Lab to STBD Wet & Dry Labs. Flushing of Oil from System 3 is expected to start today as well.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Off-Line
DigiCourse	Operational	Knudsen SBP	Off-Line
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
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Reshoot: 0.000 Sail km
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Production 0:00
Line Change 0:00
Weather Downtime 0:00
Technical Downtime 0:00
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CTD Cast 0:00
Gravity Core 0:00
Piston Core 0:00
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Sonar Survey 0:00

Technical Downtime:

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

Port Call 24:00

Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit	Port Call	Maneuvering
		24:00	
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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
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Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day continuing to trouble shooting / repair the Port Wide Tow Which. Science Staff finished the striping and waxing of the main lab floors. Clean up wire runs on top of MMO tower and finished running network and video Cables from Main Lab to Winch Booth and from Main Lab to STBD Wet & Dry Labs. Flushing of Oil from System 3 start today as well. Continued to Re-Build Source Elements for Sub-Arrays 2 & 3.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

Plan for Tomorrow

The vessel will start the day continuing to trouble shoot / repair the Port Wide Tow Which. Will complete running multiple Video and Network cables from Main Lab through 21 bulk head. Clean Connectors on Slipring for Streamer 3. Install airline for Sonobuoy Launchers. Install Yagi Antenna for Sonobuoy's. Continue to re-build Elements for Sub-Arrays 2 & 3. Continue with flushing of Hydraulic System #3

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Off-Line
DigiCourse	Operational	Knudsen SBP	Off-Line
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Off-Line
PosNet	Operational	PCo2	Off-Line
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Off-Line
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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

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

Port Call 24:00

Transit 0:00

<p><i>Total: 24:00</i></p>	
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Time Breakdown

[illegible]

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

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
Lat: 40° 041.448 N
Lon: 74° 000.241 W
Speed over Ground: In Port
Heading: In Port
Water Depth: In Port
Wind: In Port Seas: In Port

Current Equipment Deployed

In Port

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day continuing to trouble shooting / repair the Port Wide Tow Which. Completed running multiple Video and Network cables from Main Lab through 21 bulk head. Clean Connectors on Slipring for Streamer 3. Install airline for Sonobuoy Launchers. Found Antenna Cable and Yagi Antenna for Sonobuoy's, has not been installed as of yet.. Continue to re-build Elements for Sub-Arrays 2 & 3. Completed with flushing of Hydraulic System #3. Tested the Port Wide Tow Winch with the MDM (Compensator) Valve Bypassed and the which operated normally under a no load condition. The rest of the day was spent Standing by for New Valves to arrive from over Sea and getting vessel ready to depart.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

Plan for Tomorrow

The vessel will start the day continuing to Standing by for New Valves to arrive from over Sea and getting vessel ready to depart. The Mech's will continue to re-build and hang Elements for Sub-Arrays 2 & 3. It is expected that the new valves will arrive to the vessel ~19:00 UTC. These will be installed and the winch tested, before the vessel expected departure at ~20:00 UTC.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Off-Line
DigiCourse	Operational	Knudsen SBP	Off-Line
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Off-Line
PosNet	Operational	PCo2	Off-Line
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Off-Line
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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

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

Port Call 24:00
Transit 0:00

Total: 24:00	
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Time Breakdown

[illegible]

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

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
Lat: 40° 20' 03.96" N
Lon: 73° 49' 16.369" W

Speed over Ground: 10.6 kts
Heading: 183.9 Deg

Water Depth: No Report

Wind: SW 5-10 Seas: 1-2m

Current Equipment Deployed

Stbd Barovane

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

Daily Summary

The Vessel started the day Standing by for New Valves to arrive from over Seas and getting vessel ready to depart. The Mech's will continue to re-build and hang Elements for Sub-Arrays 2 & 3. At 20:25 new valves arrived and were fitted to the winch. After a short test the vessel got underway at 21:05 UTC for the mission area. The Vessel remained in transit throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Plan for Tomorrow

The vessel will start the day continuing to transit to the mission area. At ~08:00 UTC the vessel should reach the Southeast corner of the mission area and will begin deployment operation. First with re-tensioning of the Stbd Barovane wide tow rope and then deploying the Port Barovane to both re-tension the Wide Tow rope and to test the Port Barovane winch repairs. After that is completed Deployment of Streamer 2 will begin followed by Streamer 3. Deployment operation will continue throughout the rest of the day.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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 21:05

Transit 2:55

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

<p><i>Total: 24:00</i></p>	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
WX	Transit 2:55	Port Call 21:05	Maneuvering
Ship			

Total Time

24:00

CMP Line KM

0.000

Sail

Prime

0.000

0.000

Sai

Infill

0.000

0.000

Reshoot

Sail

0.000

Midnight Position / Info

deg min
Lat: 39° 024.341 N
Lon: 73° 009.110 W

Speed over Ground: 3.5 Kts
Heading: 122 Deg

Water Depth: 35 m

Wind: E 10-15 Kts Seas: 1-2m

Current Equipment Deployed

Streamer 1 & 2

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

Daily Summary

The Vessel started the day Transiting to work site. At 07:30 UTC reached the work site and started by deploying both the Stbd and Port Barovanes to re-tension the Wide Tow Ropes and to test the repairs made to the Port Wide Tow winch. At 10:59 UTC the Barovanes were back onboard and deployment of Streamer #2 started and this continued throughout the rest of the day. The Majority of the time was spent trouble shooting the Fiber Issues with the Lead-in.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Plan for Tomorrow

The vessel will start the day continuing to deploy streamer #2 and trouble shooting the fiber issues with the Lead-in. Once Streamer 2 is deployed, the crew will start deploying Streamer #1. Once that is completed the crew will deploy both Streamer 1 and 2 out on the Stbd Barovane before starting the deployment of Streamer 3 & 4 which will continue throughout the rest of the day.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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 16:10
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 7:50

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 3:09
Streamer 13:01
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 16:10

External Downtime:

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

Total: 0:00

Total: 24:00	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
	3:09	13:01	
WX	Transit	Port Call	Maneuver
	7:50		
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
Lat: 39° 027.820 N
Lon: 73° 011.880 W

Speed over Ground: 4.2 Kts
Heading: 122 Deg

Water Depth: 35 m

Wind: Calm Seas: <1 m

Current Equipment Deployed

Streamer 1, 2, 3, & 4
3 x Techno Floats
Port and Stbd Barovanes

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	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

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

Daily Summary

The Vessel started the day trouble shooting the Fiber Issues with the Lead-in #2. At 05:30 UTC after swapping fibers in the Lead-in Termination Streamer 2 deployed on the soft tow point. 05:45 UTC Streamer 1's deployment started and 14:05 UTC Streamer 1 & 2 where deployed out on the STBD Barovane. At 14:30 UTC Deployment of Streamer 4 started and 20:32 UTC Streamer 4 was deployed out on the port Barovane ~150m out. 20:37 UTC deployment of Streamer 3 began and continued throughout the rest of the day.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

Plan for Tomorrow

The vessel will start the day continuing to deploy streamer #3 and trouble shooting the fiber issues with its Lead-in. There was an incident with the Stbd Shaft Generator as well as not being able to re-pair lead-in 3 and as such the recovery of all towed Streamer Gear is underway an once complete the vessel will make its way towards NYC to make repairs.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Operational	CNav3050	Operational
Syntrak	Operational	EM122	Operational
DigiCourse	Operational	Knudsen SBP	Operational
DigiSHOT	Operational	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Operational	PCo2	Operational
SeisNET 1	Operational	HSN	Operational
SeisNET 2	Operational	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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 16:10
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 7:50

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 3:09
Streamer 13:01
Air Compressor 0:00
Other 0:00
Ship Repair 0:00

Total: 16:10

External Downtime:

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

Total: 0:00

Total: 24:00	
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Time Breakdown

[illegible]

PSO	Production	Line Change	Nav
Other	Source	Streamer	ACQ
	3:09	13:01	
WX	Transit	Port Call	Maneuvering
	7:50		
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
Lat: 39° 029.804 N
Lon: 73° 016.222 W

Speed over Ground: 6.7 Kts
Heading: 338.9 Deg

Water Depth: 33.5 m

Wind: S @ 5-10 Seas: <1 m

Current Equipment Deployed

All Gear onboard

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Perez	Raul	Contract (OBS)
Traceski	Shane	Contract NCS Observer
Clegg	Joe	Contract NCS Nav Processor
Traceski	Shane	Contract NCS Navigator
Hall	Bryan	Contract NCS Nav Processor
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day trouble shooting the Fiber Issues with the Lead-in #3. At 04:10 UTC there was a incident in the Engine room with the Stbd Shaft Generator that required the recovery of Sub-Array 1. Streamer 3 Trouble shooting continued and at 06:10 UTC is was clear that we would not be able to fix it, so lead-in 3 was reconnected to the streamer and deployed out off the stern while we waited for further instruction. At 12:49 UTC recovery of all towed equipment began and by 21:24 UTC all gear was onboard and secure. The vessel began transiting to NYC to make repairs.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

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

Plan for Tomorrow

The vessel will start the day continuing transiting to NYC for repairs. It is expected that we will be alongside Pier 8N, at the Red hook Marine Terminal in Brooklyn, NY by ~12:00 UTC.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Off-Line	CNav3050	Operational
Syntrak	Off-Line	EM122	Off-Line
DigiCourse	Off-Line	Knudsen SBP	Off-Line
DigiSHOT	Off-Line	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Off-line	PCo2	Off-Line
SeisNET 1	Off-Line	HSN	Off-Line
SeisNET 2	Off-Line	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

Science Party

Mountain	Gregory	Chief Scientist (PI)
Fulthorpe	Craig	Co-PI
Nedimovic	Mladen	CO-PI
Chen	Jie	Watch stander
Desiage	Pierre-Arnaud	Watch stander
Corbalan	Ana	Watch stander
Baldwin	Kimberly	Watch stander
Newton	Andrew	Watch stander
Liddell	Mitch	Watch stander

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 21:34
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 2:26

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 14:39
Air Compressor 0:00
Other 6:39
Ship Repair 0:16

Total: 21:34

External Downtime:

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

Total: 0:00

Total: 24:00

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Time Breakdown

	Time	Amount of Time	Event	PRIME		Total SP	Sail Line KM	INFILL		Total	Sail Line KM	RESHOOT		Total	Sail Line KM
				FSP	LSP			FSP	LSP			FSP	LSP		
0:00	4:10	4:10	Deployment of Streamer 3												
4:10	4:26	0:16	Recovery Sub-Array 1 for Issues In Engine room												
4:26	6:10	1:44	Continue Deployment of Streamer 3												
6:10	12:49	6:39	Standing by for Directions												
12:49	12:59	0:10	Recovery of Steamer 3												
12:59	14:55	1:56	Removal of Lead-in from Reel 3												
14:55	16:27	1:32	Recovery of Steamer 3												
16:27	19:15	2:48	Recovery of Steamer 2												
19:15	21:34	2:19	Recovery of Streamers 1 & 4												
21:34	0:00	2:26	Transit to NYC												
0:00	0:00	#####													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													
	0:00	0:00													

PSO	Production	Line Change	Nav	Total Time	Prime	Infill	Reshoot
				24:00	0.000	0.000	0.000
Other	Source	Streamer	ACQ	CMP Line KM			
6:39		14:39		0.000	0.000	0.000	0.000
WX	Transit	Port Call	Maneuvering				
	2:26						
Ship							
0:16							

Midnight Position / Info

deg min
Lat: 40° 041.453 N
Lon: 74° 000.258 W

Speed over Ground: N/A
Heading: N/A

Water Depth: N/A

Wind: N/A Seas: N/A

Current Equipment Deployed

All Gear onboard

Technical Staff Onboard:

Steinhaus	Robert	Chief Science Officer
Thompson	Alan	Marine Tech (NAV)
Guerin	Gilles	Marine Tech (ACQ)
Martello	Mike	Contract (NAV)
Spoto	Thomas	Chief Source Mechanic
Kasinger	Josh	Contract Source Mechanic
Hatton	Ray	Contract Source Mechanic

Daily Summary

The Vessel started the day start the day continuing its transit to NYC for repairs. At 12:45 UTC was sucured alongside Pier 8N, at the Red hook Marine Terminal in Brooklyn, NY for repairs to STBD Shaft Generator and Lead-ins 2 & 3. Most of the Contract Scince Technicans, PSO, and the majority of the Science party departed the vessel.

Work List	% Complete	Work list	% Complete
Complete Re-building of Source	75.00%		
Install all source Elements	45.00%		
Network/Firewall updates	75.00%		
New WX Station Install	65.00%		
Seisnet Admin	30.00%		
Cabling for winch booth	80.00%		
Repair Maggie Winch Remote	0.00%		
LCL-90i cable / programming	90.00%		
Install PAM	0.00%		
Make Sep Ropes 15m	0.00%		
Markey DESH5 - Slip Ring	0.00%		

PSO's

Frey Cassandra Contract RPS PSO

Science Party

Desiage Pierre-Arnaud Watch stander
Corbalan Ana Watch stander

Plan for Tomorrow

The vessel is expected to be alongside Pier 8N, at the Red hook Marine Terminal in Brooklyn, NY throughout the day.

Major Science Equipment	Status	Major Science Equipment	Status
SPECTRA	Off-Line	CNav3050	Operational
Syntrak	Off-Line	EM122	Off-Line
DigiCourse	Off-Line	Knudsen SBP	Off-Line
DigiSHOT	Off-Line	BGM-3 Gravimeter	Operational
Sea Path	Operational	882 Magnetometer	Off-Line
PosMV	Operational	TSG	Operational
PosNet	Off-line	PCo2	Off-Line
SeisNET 1	Off-Line	HSN	Off-Line
SeisNET 2	Off-Line	FBB	Operational
PROC 1	Operational	MicoSV	Operational
PROC 2	Operational	META (Weather)	Operational
CNav2000	Operational	ADCP	Non-Operational

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 11:15
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 12:45

Technical Downtime:

Instrument Acquisition 0:00
Instrument Navigation 0:00
Hydraulics 0:00
Source 0:00
Streamer 0:00
Air Compressor 0:00
Other 11:15
Ship Repair 0:00

Total: 11:15

External Downtime:

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

Total: 0:00

Total: 24:00

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Time Breakdown				PRIME				INFILL				RESHOOT			
	Time	Amount of Time	Event	FSP	LSP	Total SP	Sail Line KM	FSP	LSP	Total	Sail Line KM	FSP	LSP	Total	Sail Line KM
0:00	12:45	12:45	Transit to NYC												
12:45	0:00	11:15	Alongside Brooklyn, NY for Repairs												
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													
	0:00	0:00													
PSO	Production	Line Change	Nav												
Other	Source	Streamer	ACQ												
11:15															
WX	Transit	Port Call	Maneuvering												
	12:45														
Ship															
				Total Time				Prime				Reshoot			
				24:00				0.000				0.000			
				CMP Line KM											
				0.000				0.000				0.000			