

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

**Shatsky Rise
R/V Marcus G. Langseth**

1. PRODUCTION SUMMARY

2012-03-22	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-22
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	24:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

13° 25.9030' N 144° 39.6351' E
Wind: N/A Seas: N/A Depth: N/A
SPD: N/A HDG: N/A

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event
0:00	0:00 Port Call - Sierra Pier Guam

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

None

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel spent all day pier side Sierra Dock in Apra Harbor Guam Naval Base, Mobilizing for MGL1206 Shatsky rise.

Tomorrow:

The vessel will continue Mobilizing for MGL1206 and at ~22:00 GMT will get underway for the Survey Area.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

**Shatsky Rise
R/V Marcus G. Langseth**

1. PRODUCTION SUMMARY

2012-03-23	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-23
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	1:58
Ship Repair	0:00
Maneuvering	0:00
Port Call	22:02
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

13° 33.7650' N 144° 41.2821' E

Wind: E @ 20-25kts Seas: 2-3m Depth: 1064m

SPD: 9.9 kts HDG: 042 Deg

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event
0:00	22:02
22:02	0:00

Port Call - Sierra Pier Guam
Transit To Shatsky Rise

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day pier side Sierra Dock in Apra Harbor Guam Naval Base, Mobilizing for MGL1206 Shatsky rise. At 22:02 GMT the vessel got underway for the mission area. At 23:52 GMT all underway systems were online an operational.

Tomorrow:

The vessel will continue get underway for the Survey Area. Throughout the day preparations will be made to have all underway equipment ready for deployment.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-24	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-24
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	24:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

17° 06.5370' N 147° 20.5554' E

Wind: E @ 5-10 Kts Seas: 1-2m Depth: 5005m

SPD: 11.5 kts HDG: 031.7 Deg

Cruise : MGL1206

To: Office of Marine Operations
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Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:00	0:00
		Transit To Shatsky Rise

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel spent the whole day underway for the mission area. Preparations to all Data Acquisition systems and tow equipment continued.

Tomorrow:

The vessel will continue get underway for the Mission Area. Throughout the day preparations will be made to have all towed equipment ready for deployment.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-25	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-25
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	24:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

20° 44.68' N 150° 27.41 E

Wind: Variable Seas: Calm Depth: 5769 m

SPD: 11.5 kts HDG: 038.52 Deg

Cruise : MGL1206

To: Office of Marine Operations
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Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:00	0:00
		Transit To Shatsky Rise

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel spent the whole day underway for the mission area. Preparations to all Data Acquisition systems and tow equipment continued.

Tomorrow:

The vessel will continue get underway for the Mission Area. Throughout the day preparations will be made to have all towed equipment ready for deployment.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
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**Shatsky Rise
R/V Marcus G. Langseth**

1. PRODUCTION SUMMARY

2012-03-26	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-26
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

24° 24.101'N 151 21.643' E

Wind: NE @ 20-25 Kts Seas: 1-2 Depth: 5440 m

SPD: 10.0 kts HDG: 040 Deg

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:00	0:00
		Transit To Shatsky Rise

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel spent the whole day underway for the mission area. Preparations to all Data Acquisition systems and tow equipment continued.

Tomorrow:

The vessel will continue get underway for the Mission Area. Throughout the day preparations will be made to have all towed equipment ready for deployment.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
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Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-27	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-27
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

27° 47.94' N 156 08.12' E

Wind: NE @ 20-25 Kts Seas: 1-2 Depth: 6100 m

SPD: 10.5 kts HDG: 040 Deg

Cruise : MGL1206

To: Office of Marine Operations
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Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:00	0:00
		Transit To Shatsky Rise

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel spent the whole day underway for the mission area. Preparations to all Data Acquisition systems and tow equipment continued.

Tomorrow:

The vessel will continue get underway for the Mission Area. Throughout the day preparations will be made to have all towed equipment ready for deployment.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
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Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-28	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-28
Production	0:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

31° 12.18' N 159° 00.30' E

Wind: E @ 10-15 Kts Seas: 1-2 Depth: 4019 m

SPD: 11.07 kts HDG: 040 Deg

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:00	0:00
		Transit To Shatsky Rise

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel spent the whole day underway for the mission area. Preparations to all Data Acquisition systems and tow equipment continued.

Tomorrow:

The vessel will continue underway for the Mission Area until ~10:00 GMT. At which time deployment of the towed equipment will begin. This operation is suspected to take ~12:00 and is hope to be finished up just before day change. At which time the vessel will begin production which will continue Throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-29	<u>Sailed Km</u>
Prime	25.050
Infill	0.000
Reshoot	0.000
Total:	25.050

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-29
Production	3:19
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	2:12
Streamer	9:14
Seismic Air Compressor	0:00
Mitigation/PAM	0:39
Transit	8:36
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

33° 08' 06.289" N 160° 40' 46.989 E

Wind: N @ 25-30 Kts Seas: 2-4 Depth: 5232.7 m

SPD: 4.3 kts HDG: 030 Deg

Cruise : MGL1206

Shatsky Rise

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Robert J Steinhaus (Sr. Science Officer)

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	8:36	Transit To Shatsky Rise				
8:36	17:50	Deployment of Steamer				
17:50	20:02	Deployment of Source				
20:02	20:41	Ramp up of Source				
20:41	0:00	Prime MGL1206MCST1	28224	28725	501	25.050

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel was in transit to MGL1206 Mission area (Shatsky Rise) until 08:36 at which time the vessel slowed down to begin deployment of the Towed MCS Gear. Steamer Deployment operations commenced at that time and at 17:50 GMT the Steamer was fully deployed. Directly there after the source deployment began and this operation was completed at 20:02 GMT. At that time the Source was ramped up in accordance with the IAH requirements. As soon as the source ramp up procedures was finished Production on MGL1206MCST1 began. The Vessel continued in production on this line throughout the rest day.

Tomorrow:

The vessel will start the day in production on MGL1206MCST1, which should concluded around ~6:15 GMT, at which time a short line change to MGL1206MCS01 will be made. The Vessel should continue in production on this line throughout the rest of the day.

Regards

Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-30	<u>Sailed Km</u>
Prime	196.200
Infill	0.000
Reshoot	0.000
Total:	196.200

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-30
Production	23:48
Line Change	0:12
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

34° 15' 13.081" N	159° 40' 44.036 E
Wind: NE @ 5-10 Kts	Seas: 1-3 Depth: 3186.8m
SPD: 3.8 kts	HDG: 298 Deg

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	6:17	Prime MGL1206MCST1		28725	29707	982 49.100
6:17	6:29	Line Change				
6:29	0:00	Prime MGL1206MCS01	1029	3971	2942	147.100

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yanming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day in production on MGL1206MCST1 and at 06:17 that line was ended. A short line change was made to MGL1206MCS01 which started at 06:29 and continued throughout the rest of the day. During MGL1206MCS01 the Maggie stopped working, trouble shooting was done and it was found that the Tow Leader had failed. The Tow leader was changed out and the Maggie Redeployed. Also during MGL1206MCS01 the weather picked up to 3-4m seas and this caused the cable to be dragged to the surface from the 9m depth for a short time. We were able to get the streamer down and the depth was changed to 12m to stop this from happening again. Later in the day the weather dropped but in agreement with the PI the Streamer Depth was left at 12m where it will stay for the remainder of the line.

Tomorrow:

The vessel will start the day in production on MGL1206MCS01, which should concluded around ~13:00 GMT, at which time a short line change to MGL1206MCS02 will be made. The Vessel should continue in production on this line throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-03-31	<u>Sailed Km</u>
Prime	141.850
Infill	0.000
Reshoot	0.000
Total:	141.850

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-03-31
Production	23:58
Line Change	0:02
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

35° 01' 22.137" N	158° 26' 29.820 E	
Wind: S @ 30-35 Kts	Seas: 3-5m	Depth: 5216.9m
SPD: 2.4 kts	HDG: 313 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	15:49	Prime MGL1206MCS01		3972	5898	1926 96.300
15:49	15:51	Line Change				
15:51	0:00	Prime MGL1206MCS02		1005	1916	911 45.550

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day in production on MGL1206MCS01 and at 15:49 that line was ended. A short line change was made to MGL1206MCS02 which started at 15:51 and continued throughout the rest of the day. Throughout the Day the Current continued to pick up and at one time it was as high as 3 kts in on the head. The Average Speed over Ground for the day 3.1 kts which had a large impact on the amount of CMP Km's of Data Acquired

*** During Line MGL1206MCS01 – Sub-Array #4 had a failure of GCM in position 3 which caused all GCM's aft not to communicate. Sub-Array 4 was retrieved while production continued with the other sub-arrays. Repairs were made, Sub-Array 4 was redeployed, and production continued as normal. This marks the 4th failure we have had since leaving Guam and with the failure of this GCM we now have no good spares left. If we have further failures we will start by using the GCM's controlling the smaller guns first to make repairs.

Tomorrow:

The vessel will start the day in production on MGL1206MCS02, which should continue throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-01	<u>Sailed Km</u>
Prime	147.400
Infill	0.000
Reshoot	0.000
Total:	147.400

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-01
Production	24:00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

35° 56' 35.520" N	157° 16' 10.126" E	
Wind: NE @ 10-15 Kts	Seas: 1-2m	Depth: 4787.1 m
SPD: 3.8 kts	HDG: 313 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00 Prime MGL1206MCS02		1917	4865	2948 147.400

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day in production on MGL1206MCS02 and continued throughout the rest of the day

Tomorrow:

The vessel will start the day in production on MGL1206MCS02 and at ~03:45 GMT the vessel will make a normal line change to MGL1206MCS03. The Line change should be complete and line MGL1206MCS03 should start at 04:30 GMT and continue throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-02	<u>Sailed Km</u>
Prime	203.650
Infill	0.000
Reshoot	0.000
Total: 203.650	

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-02
Production	23:19
Line Change	0:41
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total: 24:00	

UTC Midnight (24:00) Position / Heading:

35° 05' 29.448" N	159° 02' 43.500" E	
Wind: N @15-20 Kts	Seas: 2-3 m	Depth: 3563.5 m
SPD: 4.1 kts	HDG: 090 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	3:46	Prime MGL1206MCS02	4866	5421	555	27.750
3:46	4:27	Line Change				
4:27	0:00	Prime MGL1206MCS03	1168	4686	3518	175.900

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day in production on MGL1206MCS02 and at ~03:45 GMT the vessel made a normal line change to MGL1206MCS03. The Line change was completed and line MGL1206MCS03 started at 04:30 GMT and continue throughout the rest of the day.

Tomorrow:

The vessel will start the day in production on MGL1206MCS03 and at ~12:00 GM. The vessel will make an extended line change to do Maintenance on the Source Sub-Arrays. Once the Maintenance is completed the line change will be concluded and production on MGL1206MCS04 will start and continue throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-03	<u>Sailed Km</u>
Prime	191.900
Infill	0.000
Reshoot	0.000
Total:	191.900

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-03
Production	21:36
Line Change	1:30
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:54
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

35° 13' 17.022" N	159° 42' 18.169" E	
Wind: SE @ 20-25 Kts	Seas: 3-4 m	Depth: 4683.5 m
SPD: 4.6 kts	HDG: 192 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	10:54	Prime MGL1206MCS03	4687	6498	1811	90.550
10:54	12:24	Line Change				
12:24	13:18	Extended L/C Source Maintenance				
13:18	0:00	Prime MGL1206MCS04	916	2943	2027	101.350

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day in production on MGL1206MCS03 and at ~03:45 GMT the vessel made an extended line change to MGL1206MCS04. During the line change Source Sub-Arrays 1 & 2 were retrieved for maintenance. The Line change was completed and line MGL1206MCS03 started at 13:18 GMT and continue throughout the rest of the day.

Tomorrow:

The vessel will start the day in production on MGL1206MCS04 and continue throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-04	<u>Sailed Km</u>
Prime	194.850
Infill	0.000
Reshoot	0.000
Total:	194.850

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-04
Production	23:45
Line Change	0:15
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

33° 32.22' N	159° 01.36" E	
Wind: SWE @ 5-10 Kts	Seas: 2-4 m	Depth: 2919.59 m
SPD: 4.2 kts	HDG: 208 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM	
0:00	23:45	Prime MGL1206MCS04		2944	6841	3897	194.850
23:45	0:00	Line Change					

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The Vessel started the day in production on MGL1206MCS04 and at ~23:45 GMT the vessel started an extended line change to MGL1206MCSD2. During the line change Source Sub-Arrays 3 & 4 were retrieved for maintenance. The Line change continued throughout the rest of the day.

Tomorrow:

The vessel will start the day executing an Extended Line Change to MGL1206MCSD2. During Said line change maintenance on Source Sub-Arrays 3 & 4 will be complete and at ~03:00 GMT. At that time the vessel will begin production on MGL1206MCSD2 which will continue throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-05	<u>Sailed Km</u>
Prime	158.350
Infill	6.450
Reshoot	2.800
Total:	167.600

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-05
Production	16:39
Line Change	1:15
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	6:06
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

33° 31' 02.070" N	160° 39' 24.073" E	
Wind: SSW @ 15-20 Kts	Seas: 2-3 m	Depth: 4354.8 m
SPD: 5.1 kts	HDG: 092.5 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	1:15	Line Change				
1:15	2:34	Extended Line Change for Source Maintenance				
2:34	11:55	Prime MGL1206MCSD2		834	2598	1764 88.200
11:55	15:44	Circle due to Source				
15:44	16:24	Infill MGL1206MCSD2		2412	2541	129 6.450
16:24	16:42	Reshoot MGL1205MCSD2		2542	2598	56 2.800
		Prime				
16:42	0:00	MGL1206MCSD2A		2599	4002	1403 70.150

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day executing an Extended Line Change to MGL1206MCSD2 during which time maintenance was done on Source Sub-Arrays 3 & 4. At 02:43 GMT Line MGL1206MCSD2 was started and when to 11:55 GMT when the line was aborted due to DigiShot GCM Comm. Errors on Sub Array 2. The Line was circled back on while repairs were made to Sub-Array 2. During this time we also took the opportunity to recover Sub-Array 1 to do some preventive maintenance. At 15:44 GMT all maintenance was completed and Line MGL1205MCSD2A was started. This line continued throughout the rest of the day.

Tomorrow:

The vessel will start the day in production on Line Change to MGL1206MCSD2A. At ~14:00 GMT the line will be concluded and the recovery of all towed Equipment will begin. All gear is expected to be onboard by ~20:00 GMT and the vessel will begin its transit back to Honolulu, Hawaii.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-06	<u>Sailed Km</u>
Prime	134.300
Infill	0.000
Reshoot	0.000
Total:	134.300

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-06
Production	15:59
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	1:11
Streamer	2:20
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	4:30
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

33° 26.65' N	163° 12.99' E	
Wind: S @ 5-10 Kts	Seas: 1-2 m	Depth: 6220.56 m
SPD: 12.29 kts	HDG: 100 Deg	

Cruise : MGL1206

To: Office of Marine Operations

Cc: Reports Group

Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise

R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	15:59	Prime MGL1206MCSD2A	4003	6689	2686	134.300
15:59	17:10	Recovering Source				
17:10	19:30	Recovering Streamer				
19:30	0:00	Transit To Honolulu, Hawaii				

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day in production on Line MGL1206MCSD2A. The line continued until 15:59 GMT at which time the Mission was completed and the recovery of all towed equipment commenced. At 17:10 GMT the Sound Source was onboard and at 19:30 GMT the Steamer was fully onboard. The vessel got underway at that time for Honolulu, Hawaii and the transit continued throughout the rest of the day.

Tomorrow:

The vessel will start in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day. The Science Crew will get all MCS equipment cleaned up and stowed and continue to monitor all underway science systems throughout the day.

Regards

Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-07	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-06
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

32° 32.44' N	168° 59.25' E	
Wind: NE @ 5-10 Kts	Seas: 1-2 m	Depth: 5834.10 m
SPD: 11.98 kts	HDG: 100 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00				Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii and the transit continued throughout the rest of the day.

Tomorrow:

The vessel will start in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-08	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-08
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

31° 31.95' N	174° 24.50' E	
Wind: SE @ 5-10 Kts	Seas: 1-2 m	Depth: 5097.48 m
SPD: 12.3 kts	HDG: 105 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00				Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii and the transit continued throughout the rest of the day.

Tomorrow:

The vessel will start in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-09	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-09
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

30° 22.04' N	179° 27.56' E	
Wind: ENE @ 5-10 Kts	Seas: 1-2 m	Depth: 5452.98 m
SPD: 11.5 kts	HDG: 108 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00				Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii and the transit continued throughout the rest of the day.

The Science Crew continued to monitor all underway system. During the day at test was conduction to observe the noise that is introduced onto the Knudsen SBP when the compressors are in different operational conditions. Maintenance continued on all MCS and Source Equipment

Tomorrow:

The vessel will start in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-10	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-10
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

29° 01.17' N	175° 35.49' W	
Wind: SSE @ 15-20 Kts	Seas: 2-3 m	Depth: 5228.04 m
SPD: 11.55 kts	HDG: 108 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00				Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii and the transit continued throughout the rest of the day.

The Science Crew continued to monitor all underway system and maintenance continued on all MCS and Source Equipment

The Captain confirmed today that the vessels ETA at the Honolulu Sea Buoy will be 07:30 Local on the 15th of April.

Tomorrow:

The vessel will start the day in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-11	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-11
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

27° 31.51' N	170° 54.05' W	
Wind: SE @ 5-10 Kts	Seas: 1-2 m	Depth: 4706.20 m
SPD: 10.06 kts	HDG: 115 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00				Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii and the transit continued throughout the rest of the day.

The Science Crew continued to monitor all underway system and maintenance continued on all MCS and Source Equipment

Tomorrow:

The vessel will start the day in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-12	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-12
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	24:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

25° 21.983' N	164° 58.248' W	
Wind: S @ 5-10 Kts	Seas: 1-2 m	Depth: 4899 m
SPD: 10.1 kts	HDG: 115 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event	FSP	LSP	Total SP	Sail Line KM
0:00	0:00				Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii and the transit continued throughout the rest of the day.

The Science Crew continued to monitor all underway system and maintenance continued on all MCS and Source Equipment.

Tomorrow:

The vessel will start the day in transit back to Honolulu, Hawaii and the transit will continue throughout the entire day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-13	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-13	
Production	0.00	
Line Change	0:00	
Weather	0:00	
Instrument Acquisition	0:00	
Instrument Navigation	0:00	
OBS Rosette Drop Test	0:00	
OBS Deployment	0:00	
OBS Recovery	0:00	
CTD Cast	0:00	
Hydraulics	0:00	
Source	0.00	
Streamer	0:00	
Seismic Air Compressor	0:00	
Mitigation/PAM	0:00	
Transit	23:00	
Ship Repair	0:00	
Maneuvering	0:00	
Port Call	0:00	
Other	0:30	MOB Drill
Total:	24:00	

UTC Midnight (24:00) Position / Heading:

24° 26.95' N	162° 31.13' W	
Wind: SSE @ 5-10 Kts	Seas: 1-2 m	Depth: 4936 m
SPD: 10.1 kts	HDG: 115 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event
0:00	22:30	Transit To Honolulu, Hawaii
22:30	23:00	MOB Drill
23:00	0:00	Transit To Honolulu, Hawaii

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii. At 22:30 GMT a MOB Drill was conducted and the FRB was launch for recovery of the dummy and to run the boat a little. At 23:00 GMT the dill was concluded and the vessel was stored back onboard. The vessel continued the transit to Honolulu which last throughout the rest of the day.

The Science Crew continued to monitor all underway system and maintenance continued on all MCS and Source Equipment

Tomorrow:

The vessel will start the day in transit back to Honolulu, Hawaii. Shortly after daylight (~18:00 GMT) the vessel will be slowed down to 5 kts STW and the Science Crew will deploy Streamer 3 to do the installation of Stubby Sections, Head Stretch, and STU. While the streamer is deployed the trim will be checked and any changes that need to be made will be noted. The Streamer should be back onboard before the end of day and the transit to Honolulu will continue.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-14	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-14
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	2:05
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	21:55
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

22° 24.6' N	159° 08.52 W	
Wind: SE @ 5-10 Kts	Seas: 1-2 m	Depth: 3385 m
SPD: 4.92 kts	HDG: 145 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

**Shatsky Rise
R/V Marcus G. Langseth**

3. TIME SUMMARY

	Time	Event
0:00	21:55	Transit To Honolulu, Hawaii
21:55	0:00	Working on Streamer 3

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day underway to Honolulu, Hawaii. At 21:55 GMT the vessel slowed down to do some maintenance on Streamer 3. The maintenance continued throughout the rest for the day, while the vessel continued heading to Honolulu, Hawaii.

Tomorrow:

The vessel continued maintenance on Streamer 3, while the vessel continued heading to Honolulu, Hawaii. The Maintenance on the streamer should be complete ~02:30 GMT and the vessel will resume full speed transit to Honolulu. At ~17:30 GMT the vessel will be at sea buoy and is expected to be secured alongside the U of H Marine facility ~19:00 GMT. As soon as the vessel has been cleared De-Mobilizing for MGL1206 will begin and this operation will continue throughout the rest of the day.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-15	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-15
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	2:40
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	15:50
Ship Repair	0:00
Maneuvering	0:00
Port Call	5:30
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

21° 18.97' N	157° 53.17' W	
Wind: E @ 5-10 Kts	Seas: 0m	Depth: N/A
SPD: 0.00 kts	HDG: 186 Deg	

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Event	
	0:00	2:40	Working on Streamer 3
	2:40	18:30	Transit To Honolulu, Hawaii
	18:30	0:00	Port Call U of H Marine Facility

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

Korenaga, Jun; Blacic, Tanya; Cadio, Cecilia; Melendez Catalan, Adria; Durkin, William; Huang, Yan
Ming; Reiter, Heidi A.; Them, Theodore; Young, Patrick; Zhang, Jinchang

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day working on streamer 3 and at 02:40 GMT that was completed. The vessel then resumed its transit to Honolulu, Hawaii. At 18:30 GMT the vessel arrived alongside U of H Marine Facility Honolulu, Hawaii. De-Mobilization efforts began as soon as all ship services were connected shore side and this continued throughout the rest of the day.

Tomorrow:

The vessel will continue with De-Mobilization efforts for MGL1206, as well as start Mobilizing for the MGL1207 Maintenance Period. All Bolt Guns from Sub-Arrays 1 & 2 will be removed and set shore side. The Front 360in3 Bolt Cluster from all 4 strings will be off-loaded as well to be sent to a machine shop to have the cluster bars. All Old Sections will be removed and placed in the container for scrap, as well as all the old Barovane harness will be removed so they can be sent to scrap.

Regards
Robert J Steinhaus

Cruise : MGL1206

To: Office of Marine Operations
Cc: Reports Group
Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise
R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-04-16	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Time Activity Analysis</u>	2012-04-16
Production	0.00
Line Change	0:00
Weather	0:00
Instrument Acquisition	0:00
Instrument Navigation	0:00
OBS Rosette Drop Test	0:00
OBS Deployment	0:00
OBS Recovery	0:00
CTD Cast	0:00
Hydraulics	0:00
Source	0.00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	0:00
Ship Repair	0:00
Maneuvering	0:00
Port Call	24:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

21° 18.97' N	157° 53.17' W	
Wind: E @ 5-10 Kts	Seas: 0m	Depth: N/A
SPD: 0.00 kts	HDG: 186 Deg	

Cruise : MGL1206

To: Office of Marine Operations

Cc: Reports Group

Fm: Robert J Steinhaus (Sr. Science Officer)

Shatsky Rise

R/V Marcus G. Langseth

3. TIME SUMMARY

Time	Event
00:00	0:00 Port Call U of H Marine Facility

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Megan Meyer
Marine Tech – Bern McKiernan; Chief Source Mechanic – Chris Francis;
Marine Tech – Mike Martello; Marine Tech – Mike Tatro; Marine Tech – West Groves
Marine Tech – Carlos Gutierrez; Marine Tech – David Ng;

Science Party on board:

None

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Moreno, Tatiana A.; Olsen, Marina L.

5. Daily Summary:

The vessel started the day alongside U of H Marine Facility Honolulu, Hawaii. De-Mobilization efforts began continued throughout the rest of the day.

Tomorrow:

The vessel will continue with De-Mobilization efforts for MGL1206..

Regards

Robert J Steinhaus