

Cruise : MGL1204 (Weins)

To: Office of Marine Operations

Cc: Reports Group

Fm: Robert J Steinhaus (Chief Science Officer)

Mantle Serpentinization

R/V Marcus G. Langseth

1. PRODUCTION SUMMARY

2012-02-28	<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>	2012-02-28
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	22:23
Ship Repair	0:00
Maneuvering	0:00
Port Call	1:37
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

13 26.159 N 144 39.754 E

Wind: N/A Seas: N/A Depth: N/A

SPD: N/A HDG: N/A Fth: N/A D.C. N/A

Cruise : MGL1204 (Weins)

To: Office of Marine Operations

Cc: Reports Group

Fm: Robert J Steinhaus (Chief Science Officer)

Mantle Serpentinization

R/V Marcus G. Langseth

3. TIME SUMMARY

	Time	Amount of Time	Event
	0:00	22:23	Transit to Guam
	22:23	0:00	Port Call - Romeo Pier

4. Comments

Science Technical staff on board:

Sr. Science Officer – Robert J Steinhaus; Science Officer – Tom Spoto

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; Marine Tech – Tina Thomas

Science Party on board:

Lizarralde, Daniel; Miller, Nathan; Siegel, Jake; Feng, Helen; Coccia, Martina; Lu, Chuanchuan;

Lundquist, John; Hughes, Matthew

Marine Mammal Observer Staff on board:

Ingram, Heidi E.; Piercy, Meghan J.; Ellis, Emily M.; Harrison, Amanda L.; Moreno, Alexandra

5.Daily Summary:

The Vessel Transited back to Guam and at 22:23 GMT Arrived alongside Romeo Dock and continued throughout the rest of the day. Demobilization efforts for MGL1204 and Mobilization efforts for MGL1205 began and these operations continued through the rest of the day.

Tomorrow:

The Vessel will be in port and will continue Demobilization efforts for MGL1204 and Mobilization efforts for MGL1205, through the day.

Regards

Robert J Steinhaus

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-01	<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>	2012-03-01
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 26.159 N 144 39.754 E

Wind: N/A Seas: N/A Depth: N/A

SPD: N/A HDG: N/A Fth: N/A D.C. N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00 24:00	24:00	Port Call Guam

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Lundquist, John

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Along side Naval Pier Guam.

Continued preparations for the upcoming OBS recoveries. Taking on stores, and readying the vessel.

The PSO's and departing science party have departed.

Had issues with the High Seas Network. Seems to be stable again.

Tomorrow:

Continue with preparations. Fueling is scheduled.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-02	<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>	2012-03-02
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 26.159 N 144 39.754 E

Wind: N/A Seas: N/A Depth: N/A

SPD: N/A HDG: N/A Fth: N/A D.C. N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00 24:00	24:00	Port Call Guam

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Along side Naval Pier Guam.

Preparing for the OBS recoveries. Readying the vessel.

Took on fuel.

Tomorrow:

Leave for the prospect.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-03	<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>	2012-03-03
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	2:13
Ship Repair	0:00
Maneuvering	0:00
Port Call	21:47
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

13°37.26 N 144 44.31'E

Wind: NE20

Seas: 2-3

Depth: 495m

SPD: 9.7

HDG: 57°

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

	Time	Amount of Time	Event
0:00	21:47	21:47	Port Call Guam
21:47	24:00	2:13	Transit to Prospect

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Last member of the science party Catharine Barcheck arrived early this morning local time.

Started day alongside Pier Guam. Departed pier at 21:47UTC

Underway to the project site.

Worked on various projects of the work list. Maggie has been reterminated.

Ships power went down twice during shore power to ships power transition. HSN went down for a while as a result.

Clear of the sea buoy, turned on Knutsen, EM-122, PCO2, and other pieces of equipment.

Tomorrow:

Should start OBS recoveries.

Vessel familiarization for Catherine Barcheck.

Continue with projects list.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-04	<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>	2012-03-04
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	0:51
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	23:09
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 33.595' N 147° 25.850'E

Wind: E22.5 Seas: 2-3 Depth: 4641m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

	Time	Amount of Time	Event
	0:00	23:09	23:09
	23:09	24:00	00:51
			Transit to Prospect
			On OBS Site

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Enroute to and holding station at the first recovery site.

Made preparations for the first OBS recovery.

Tomorrow:

Continuing with OBS recoveries.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-05	<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>	2012-03-05
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	13:25
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	10:35
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 45.765' N 148° 36.972'E

Wind: E22.5 Seas: 1-2 Depth: 5541m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

	Time	Amount of Time	Event
	0:00	1:19	On OBS Site
	1:19	4:40	Transit
	4:40	6:17	On OBS Site
	6:17	8:48	Transit
	8:48	11:10	On OBS Site
	11:10	13:11	Transit
	13:11	16:45	On OBS Site
	16:45	18:08	Transit
	18:08	20:33	On OBS Site
	20:33	21:52	Transit
	21:52	24:00	On OBS Site

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 5 OS's today

L01S, S09WT, L04WT, S11WT, S12WT

Total on site OBS time is 13:25 minutes, total transit time between sites 10:35

At the end of the day we are waiting to hear back from S13WT. In 2:08 we have not had communications.

Tomorrow:

Continuing with OBS recoveries.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-06	<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>	2012-03-06
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	14:12
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	9:48
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 34.304' N 149° 43.082'E

Wind: E 16 Seas: 2 - 3 Depth: 5694m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

	Time	Amount of Time	Event
	0:00	1:34	1:34 On OBS Site
	1:34	2:52	1:18 Transit
	2:52	5:25	2:33 On OBS Site
	5:25	6:43	1:18 Transit
	6:43	9:17	2:34 On OBS Site
	9:17	11:00	1:43 Transit
	11:00	12:59	1:59 On OBS Site
	12:59	14:04	1:05 Transit
	14:04	16:41	2:37 On OBS Site
	16:41	21:05	4:24 Transit
	21:05	24:00	2:55 On OBS Site

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 4 OS's today

S14S, S15S, E11S, E12S

Total on site OBS time is 14:12 minutes, total transit time between sites 9:48

At the start of the day we were sitting on S13WT. Communications were never established.

We then continued to recover four OBSs, and at the end of the day we were sitting on S19WT for just short of 3 hours.

Tomorrow:

See if communications with S19WT are established and continue the recoveries.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-07	<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>	2012-03-07
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	15:29
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	8:31
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

17° 15.673' N 148° 58.648'E

Wind: E 23 Seas: 2 - 3 Depth: 5482m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	2:01	On OBS Site
2:01	3:08	Transit
3:08	4:55	On OBS Site
4:55	6:01	Transit
6:01	7:49	On OBS Site
7:49	8:55	Transit
8:55	10:43	On OBS Site
10:43	11:50	Transit
11:50	14:14	On OBS Site
14:14	15:25	Transit
15:25	17:53	On OBS Site
17:53	18:55	Transit
18:55	22:08	On OBS Site
22:08	24:00	Transit

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 7 OS's today. Best so far this trip.

S19WT, S18WT, S17W, S16W, E09S, E08S, E07S

Total on site OBS time is 15:29 minutes, total transit time between sites 8:31

At the start of the day we were sitting on S19WT. Communications was not the best, but after several attempts, a burn cycle was completed and the OBS was recovered.

We then continued to recover seven OBSs, and at the end of the day we are transiting to L05WT.

Tomorrow:

See if communications with S19WT are established and continue the recoveries.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-08	<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>	2012-03-08
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	14:25
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	9:35
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

17° 49.818' N 148° 58.166'E

Wind: E 10 Seas: 1-2 Depth: 5400m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:52	Transit
0:52	2:33	On Site
2:33	5:20	Transit
5:20	7:06	On Site
7:06	8:10	Transit
8:10	11:08	On Site
11:08	12:07	Transit
12:07	14:33	On Site
14:33	16:10	Transit
16:10	17:58	On Site
17:58	19:06	Transit
19:06	20:48	On Site
20:48	21:56	Transit
21:56	24:00	On Site

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 7 OS's today. A tie for yesterdays record.

L05WT, E06W, E05S, E04S, N18W, N19W, N20S

Total on site OBS time is 14:25 minutes, total transit time between sites 9:35

We started the day transiting to L05WT.

No drama today.

Tomorrow:

Should finish up the Northeast corner and start heading West across the NorthLoine.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-09	<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>	2012-03-09
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	14:38
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	9:22
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

17° 15.866' N 148° 50.059'E

Wind: E 5 Seas: 1-2 Depth: 5784m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:27	0:27 On Site
0:27	3:52	3:35 Transit
3:52	6:13	2:21 On Site
6:13	7:23	1:10 Transit
7:23	9:36	2:13 On Site
9:36	10:45	1:09 Transit
10:45	13:15	2:30 On Site
13:15	14:23	1:08 Transit
14:23	17:05	2:42 On Site
17:05	18:21	1:16 Transit
18:21	20:12	1:51 On Site
20:12	21:23	1:11 Transit
21:23	24:00	2:37 On Site

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 7 OBS's today.

N20S, E01S, E02S, E03S, N16S, N15WT, N14WT

Total on site OBS time is 14:38 minutes, total transit time between sites 9:22

The times are very close to yesterdays stats.

We started the day transiting to N20S to surface which happened at 1 minute past midnight.

While doing the last recovery of the day the rope on the A-Frame winch jumper the cheek of the winch.

We spent an hour getting it sorted. Ended up cutting, and then splicing the rope. We think with the increased winch speed the wood blocks to increase the diameter of the drum are redundant and can be removed. This may alleviate the issue of the rope jumping the cheek.

Tomorrow:

Continuing the recoveries along the Northern line.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-10	<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>	2012-03-10
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	11:20
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	12:40
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

17° 52.133' N 147° 24.835'E

Wind: E 3 Seas: 1-2 Depth: 3904m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

	Time	Amount of Time	Event
	0:00	1:12	1:12 Transit
	1:12	3:10	1:58 On Site
	3:10	4:21	1:11 Transit
	4:21	6:00	1:39 On Site
	6:00	8:12	2:12 Transit
	8:12	9:50	1:38 On Site
	9:50	12:50	3:00 Transit
	12:50	14:32	1:42 On Site
	14:32	18:01	3:29 Transit
	18:01	20:13	2:12 On Site
	20:13	21:03	1:11 Transit
	21:03	23:14	2:37 On Site
	23:14	24:00	0:56 Transit

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 6 OBS's today.

N13WT, N12WT, N10WT, L08W, N08WT, N07S

Total on site OBS time is 11:20 minutes, total transit time between sites 12:40

The increased transit time is due to the off line L08W we had to transit to and from to recover.

A rather uneventful day.

Weather is with us at the moment. Near to flat, and little wind. Clear sunny day.

Tomorrow:

Continuing the recoveries along the Northern line.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-11	<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>	2012-03-11
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	14:12
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	9:48
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

17° 49.544' N 146° 55.042'E

Wind: E 7 Seas: 1-2 Depth: 3817m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:21	Transit
0:21	2:10	On Site
2:10	3:34	Transit
3:34	5:28	On Site
5:28	7:20	Transit
7:20	9:16	On Site
9:16	11:50	Transit
11:50	13:23	On Site
13:23	14:34	Transit
14:34	17:32	On Site
17:32	18:42	Transit
18:42	20:28	On Site
20:28	21:28	Transit
21:28	23:44	On Site
23:44	00:00	Transit

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 8 OBS's today. Our high so far.

N06S, N05S, L07S, W01W, W02W, W02S, W03S, W04S

W02S and W02S were collocated which allowed the 8 recoveries today.

Total on site OBS time is 13:12 minutes, total transit time between sites 9:48.

Weather is still holding.

Tomorrow:

Continuing the recoveries along the Northern line.

Regards
Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-12	<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>	2012-03-12
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	11:53
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	12:17
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 50.545' N 146° 57.516'E

Wind: E15 Seas: 1-2 Depth: 4120m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:56	Transit
0:56	2:20	On Site
2:20	3:47	Transit
3:47	5:22	On Site
5:22	6:28	Transit
6:28	8:24	On Site
8:24	9:22	Transit
9:22	11:06	On Site
11:06	15:39	Transit
15:39	17:06	On Site
17:06	17:58	Transit
17:58	19:34	On Site
19:34	20:06	Transit
20:06	22:27	On Site
22:27	24:00	Transit

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 7 OBS's today.

W05W, N03W, N02S, N01S, S01W, S02S, S03S

Total on site OBS time is 11hours 43 minutes, total transit time between sites 12 hours 17 minutes.

Weather is not a nice as yesterday.

Tomorrow:

Continuing the recoveries along the Northern line.

Regards
Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-13	<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>	2012-03-13
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	13:51
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	10:09
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 58.823' N 147° 09.984'E

Wind: NE18 Seas: 2-3 Depth: 3247m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	0:04	0:56 Transit
0:04	1:33	1:29 On Site
1:33	2:43	1:10 Transit
2:43	4:56	2:13 On Site
4:56	6:00	1:04 Transit
6:00	7:48	1:48 On Site
7:48	8:50	1:02 Transit
8:50	10:47	1:57 On Site
10:47	11:49	1:02 Transit
11:49	13:45	1:56 On Site
13:45	15:47	2:02 Transit
15:47	17:32	1:45 On Site
17:32	19:00	1:28 Transit
19:00	20:49	1:49 On Site
20:49	23:06	2:17 Transit
23:06	24:00	0:54 On Site

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered 7 OBS's today.

W10W, S04S, W08S, W07S, W06S, L06W, L02S, S05S

Total on site OBS time is 13hours 51 minutes, total transit time between sites 10 hours 09 minutes.

Weather has definitely started to pick up. As of Midnight UTC we have 3 OBSs to recover. Currently waiting on the first of these to surface.

Tomorrow:

Start doing Multi-beam survey of the site. With the intent of surveying in the long term OBSs.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-14	<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>	2012-03-14
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	11:57
CTD Cast	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
Seismic Air Compressor	0:00
Mitigation/PAM	0:00
Transit	6:40
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other – Multibeam	5:23
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 45.378' N 148° 37.036'E

Wind: NNE 25 Seas: 3-4 Depth: 5546m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event	
0:00	0:42	0:42	On Site S05S
0:42	1:38	0:56	Transit
1:38	3:41	2:03	On Site S06S
3:41	4:54	1:13	Transit
4:54	6:32	1:38	On Site S07WT
6:32	11:55	5:23	Transit
11:55	16:00	4:05	Surveying B02S
16:00	20:31	4:31	Transit
20:31	00:00	3:29	On Site S13WT

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We recovered the last 3 OBS's today.

S05S, S06S, S07WT

We surveyed in OBS B02S,

Currently attempting to get a burn command through to S13WT, it did not surface first time through.

Total on site OBS time is 11hours 57 minutes, total transit time between sites 6 hours 40 minutes.

We spent 5 hours 23 minutes surveying with Multi-beam other than on a direct course to another objective. Filling in gaps.

Weather did pick up and the ride is worse, but not as bad as anticipated.

Tomorrow:

Continue Multi-beam survey. Site in more OBSs.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-15	<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>	2012-03-15
Production	22:15
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	1:45
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:

17° 25.997' N 149° 03.477'E

Wind: ENE 30 Seas: 3-4 Depth: 5473m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	1:45	On Site
1:45	24:00	Multibeam

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We started the day sitting on S13WT trying to communicate to it, and get a burn command through. We were not successful.

The balance of the day was spent acquiring Multi-beam and Knudsen data for parts of the survey we had no coverage on.

Due to the deteriorating weather the data being collected from the EM122 was deemed marginal. After discussions with Dan Lizzeralde and consulting with the Captain shortly before end of UTC day 3/15/2012 Chief Scientist Nathan Miller made the decision to end the acquisition at the end of our next swathe.

Weather picked up as predicted.

Tomorrow:

Continue this current line for approximately 2 hours, take a heading of 190° to the bottom of the survey area and then steer towards Guam.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-16	<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>	2012-03-16
Production	8:01
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	15:59
Ship Repair	0:00
Maneuvering	0:00
Port Call	0:00
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

16° 51.659' N 146° 37.184'E

Wind: NE 20 Seas: 3-4 Depth: 4114m

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	8:01	1:45
8:01	24:00	22:15
		Multibeam
		Transit

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

We started the day sitting acquiring multi-beam and sub bottom profiler data. Completed the line we were shooting and then took a line South to the Southern edge of the study area.

At this point we took a course of ~240° and headed towards Guam.

Cleaning and preparing for dockside in Guam.

Weather is following us. Seas have come down a little.

The seas did pop the bar securing the Tail-buoy door on the Stbd side free allowing the door to swing open and jam against the bar. Deck crew freed the bar and closed the doors securing the bar so it can't be popped up from the brackets.

Tomorrow:

Finish the transit to Guam in the AM and start dock side operations removing equipment etc.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-17	<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>	2012-03-17
Production	8:01
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	22:48
Ship Repair	0:00
Maneuvering	0:00
Port Call	1:12
Other	0:00
Total:	24:00

UTC Midnight (24:00) Position / Heading:

13° 25.9030' N 144° 39.6351' E

Wind: E 13 Seas: N/A Depth: N/A

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	22:48	22:48 Transit
22:48	24:00	1:12 Dockside

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Transited to Guam. Shutdown the various pieces of science equipment

Following BIST multibeam would not log. Had to restart multibeam to get logging function.

Tied up late AM local time.

Tomorrow: Continue port side operations prepping for next cruise.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-18	<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>	2012-03-18
Production	8:01
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: E 9 Seas: N/A Depth: N/A

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

	Time	Amount of Time	Event
	0:00	24:00	24:00
			Dockside

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS Tech – Ernie Aaron; OBS Tech – Mark Gibaud; OBS Tech -Phil Thai;

OBS Tech – Dave DuBois; OBS Tech – Jim Ryder; OBS Tech – Jimmy Elsenbeck

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Sitting dockside at the 'S' or "Sierra" Dock in Apra Harbor.

Continuing the off-loading of OBS Equipment. Making preparations to remove the WHOI van from the vessel. As of the end of the day the van was still on deck.

Going about preparations for the next two jobs.

Sorting out and cleaning.

Shore power crashed. I was told overheated panel in Gun workshop. We are back on ships power.

Tomorrow: Continue port side operations prepping for next cruise.

Regards

Thomas R Spoto

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

1. PRODUCTION SUMMARY

2012-03-19	<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>	2012-03-19
Production	8:01
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: E 7-12 Seas: N/A Depth: N/A

SPD: N/A HDG: N/A

Cruise : MGL1205 (Weins)

Mantle Serpentinization OBS Recovery

To: Office of Marine Operations

R/V Marcus G. Langseth

Cc: Reports Group

Fm: Thomas R Spoto (Science Officer)

3. TIME SUMMARY

Time	Amount of Time	Event
0:00	24:00	24:00 Dockside

4. Comments

Science Technical staff on board:

Science Officer – Tom Spoto

Marine Tech – Bern McKiernan

OBS techs have moved into hotel rooms shore side.

Science Party on board:

Miller, Nathan; Catherine Grace Barcheck

Marine Mammal Observer Staff on board:

None

5.Daily Summary:

Sitting dockside at the 'S' or "Sierra" Dock in Apra Harbor.

Have for the most part finished off loading the OBSent.

Going about preparations for the next two jobs.

Sorting out and cleaning.

Tomorrow: Prepping for next cruise.

Regards

Thomas R Spoto