

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Port Call – UH facility, Hawaii**

**R/V Marcus G. Langseth**

**1. PRODUCTION SUMMARY**

<b>2012-01-07</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

**2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-07</b>
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:**

Lat 21° 18.97" N  
Lon 157° 53.17" W

BSP 0 KTS  
HDG 186°  
DPT N/A – In Port

Seas Calm  
Wind In Port

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Port Call – UH facility, Hawaii  
R/V Marcus G. Langseth**

**3. TIME SUMMARY**

Time	Amount of Time	Event
0:00	24:00	24:00
		Port Call Pier 43/Pier 30 Fuel Dock

**4. Comments** Local vessel time is UTC-10

**Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

Departing Techs – Martinson, David

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5. Daily Summary:**

The vessel started the day secure alongside Pier 43  
Shift to Pier 30 Chevron fuel dock

Secure labs and science spaces for sea  
Confirm science instruments operational before departure.  
Kongsberg DP troubleshooting  
Spectra set up MGL1204  
Systems test for MGL1204  
Network switch to HSN  
Setup “cron jobs” for MGL2102 (transit)  
Ship MGDS data to LDEO (attn – Jeff Rupert)

Tomorrow:

Prepare for Honolulu departure  
Spin up underway science systems

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**1. PRODUCTION SUMMARY**

<b>2012-01-09</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

**2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-09</b>
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	4:70
Ship Repair	0:00
Maneuvering	0:00
Port Call	19:30
Other	0:00
Total:	24.00

**UTC Midnight (24:00) Position / Heading:**

Lat 21° 18.97" N  
Lon 157° 53.17" W

BSP 0 KTS  
HDG 186°  
DPT N/A – In Port

Seas Calm  
Wind In Port

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

### **3. TIME SUMMARY**

**4. Comments** Local vessel time is UTC-10

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer

Marine Tech – Bern McKiernan

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

### **5.Daily Summary:**

The Vessel took departure on at 1930 from pier 30, begin transit to Apra Harbor Guam.

Start Underway Systems (EM122, 3260, OS75 etc.)

Troubleshoot PCO2 flow control problems - resolved

Troubleshooting starboard side emergency steering repeater (Cruz Pro) – unresolved

Tomorrow:

Troubleshoot/evaluate emergency steering repeater problems on the starboard side – place order through Captain if necessary.

Tech/Contractor travel arrangements for Guam 1 & 2 port-call.

Continue monitoring underway systems.

Start B deck cable TV job

Regards

M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**1. PRODUCTION SUMMARY**

<b>2012-01-10</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

**2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-10</b>
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:**

Lat 21 14.1336 N  
Lon 158. 44.6042 W

BSP 10.7 KTS  
HDG 226°  
DPT 4315

Seas 0.5m  
Wind 5 knots

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **3. TIME SUMMARY**

**4. Comments** Local vessel time is UTC-10

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

### **5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Starboard side emergency steering repeater (Cruz Pro) diagnosed failed – investigating replacements

Tech travel arrangements for Guam 1 & 2 port-call - complete

B deck cable TV job – ongoing

PosMV issues for ADCP Data - resolved

PC02 gas flow issues - resolved

Tomorrow:

Retard Clock to -11 UTC

Contractor travel arrangements Guam 1 & 2

NAVIS Argo Float deployment.

Continue B deck cable TV job

Continue monitoring underway systems.

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

## **1. PRODUCTION SUMMARY**

<b>2012-01-11</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-11</b>
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:**

Lat 21 21.3685 N  
Lon 163 20.2516 W

SOG 11.03 KTS  
HDG 271°  
DPT 4731

Seas 1.5  
Wind 5 knots

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **3. TIME SUMMARY**

#### **4. Comments**

**Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

#### **5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Go over Argo deployment procedure and plan with Master.

NAVIS Argo Float deployment F0127

Actual Deployment Location

Lat 21 23.990

Long 167 23.059

Depth 4753m

Time released in water 22:08 UTC

Continue B deck cable TV job

Continue monitoring underway systems.

Tomorrow:

We will have 2 Argo deployments the first at roughly 0145 local and the second around 1600.

2012 purchasing needs science department

Contractor confirmation/travel arrangements Guam 1 & 2

Lab description/pictures for Pratiyga. Follow up from 12/22 meeting at OMO.

Continue B deck cable TV job

Monitoring underway systems

Regards  
M.H.Meyer



**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth

**1. PRODUCTION SUMMARY**

2012-01-13	<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>	2012-01-13
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	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:**

Lat 21 17.492N  
Lon 172 18.823W

SOG 11.07 KTS  
HDG 269°  
DPT 4695

Seas 1m  
Wind 5 knot

**3. TIME SUMMARY**

**4. Comments**

**Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Busy Day with Argo Floats 3 deployments -

- Float Number 5274

Deployment Location

Lat 21 16.496N

Long 172 47.778W

Depth 5263m

Time Released in water 0158 UTC Date 2012-01-13 (d013)

- Float Number 5866

Float ID 5903804

Deployment Location

Lat 21 13.046N

Long 174 11.082W

Depth 5413m

Time Released in water 1052 UTC Date 2012-01-13 (d013)

- Float Number 5867

Float ID 5903805

Deployment Location

Lat 21 09.004N

Long 175 30.121W

Depth 5492

Time Released in water 1645 UTC Date 2012-01-13 (d013)

Continue B deck cable TV job

Test new cameras for Mammal tower installation.

Continue monitoring underway systems.

Lab description/pictures for Pratiyga. Follow up from 12/22 meeting at OMO - ongoing

Tomorrow:

2012 purchasing needs science department - Ongoing

Continue B deck cable TV job

Mammal Tower camera job

Monitoring underway systems – Start new MB survey at 180 crossing

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **1. PRODUCTION SUMMARY**

<b>2012-01-14</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

### **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-14</b>
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:**

Lat 21 17.492N  
Lon 172 18.823W

SOG 11.07 KTS  
HDG 269°  
DPT 4695

Seas 1m  
Wind 5 knot

### **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

2 Argo Deployments -

-Float Number 5868

Actual Deployment Location

Lat 20 57.992N

Long 178 12.102W

Depth 5496m

Time Released in water 0650 UTC Date 2012-01-14 (d014)

Float Number 5869

Float ID 5903806

Actual Deployment Location

Lat 20 44.023N

Long 179 06.266E

Depth 2669.95

Time Released in water 2116 UTC Date 2012-01-14 (d014)

OBS Deck Camera and B- Deck FRC camera in mammal tower – complete

Continue B deck cable TV job

Monitoring underway systems

Tomorrow:

De-Energized boxes

Continue B deck cable TV job

Wrap batteries for acoustics.

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **1. PRODUCTION SUMMARY**

<b>2012-01-15</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

### **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-15</b>
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:**

Lat 20 41.1847  
Lon 178 35.8170

SOG 11.02 KTS  
HDG 263°  
DPT 4574

Seas 1m  
Wind 15

### **3. TIME SUMMARY**

#### **4. Comments**

**Science Technical staff on board:**  
Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Continue B deck cable TV job - ongoing  
De-Energized boxes in main lab & bird shack– ongoing  
Monitoring underway systems

Tomorrow:

De-Energized boxes - ongoing  
B deck cable TV job – ongoing  
Prep DigiCourse Birds for next cruise  
Monitoring underway systems

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth

**1. PRODUCTION SUMMARY**

2012-01-16	<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>	2012-01-16
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	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:**

Lat 20 16.888  
Lon 174 27.447

SOG 11.8 KTS  
HDG 268°  
DPT 4086

Seas 2m  
Wind 20 knots

**3. TIME SUMMARY**

**4. Comments**

**Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Continue B deck cable TV job - ongoing  
De-Energized boxes in main lab & bird shack– ongoing

Monitoring underway systems

Tomorrow:

IDL – Skip Tuesday  
Mooring Recovery – Wake Island  
De-Energized boxes - ongoing  
B deck cable TV job – ongoing  
Prep DigiCourse Birds for next cruise  
Monitoring underway systems

Regards  
M.H.Meyer



**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

## **1. PRODUCTION SUMMARY**

<b>2012-01-17</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-17</b>
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:**

Lat 19 44.846  
Lon 170 14.526

SOG 11.8 KTS  
HDG 263°  
DPT 5432

Seas 1m  
Wind 13 knots

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer

Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Mooring Recovery – Wake Island

Details (local time).

0606 - Langseth on Station

0625 - Burn command sent

0630 - Confirm mooring has left the bottom

0650 - Mooring on surface

0712 - Mooring onboard

0718 - Langseth underway to Guam

Prep DigiCourse Birds for next cruise

De-Energized boxes in main lab & bird shack– ongoing

Monitoring underway systems

Tomorrow:

Prep DigiCourse Birds for next cruise.

De-Energized boxes in main lab & bird shack

Organize spaces (et stores & bird shack)

Monitor underway systems.

Regards

M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

## **1. PRODUCTION SUMMARY**

<b>2012-01-18</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-18</b>
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:**

Lat 19 05.085N  
Lon 166 02.334E

SOG 10.5 KTS  
HDG 262°  
DPT 5471

Seas 1m  
Wind 16kn

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer

Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Prep half DigiCourse Birds for next cruise  
De-Energized boxes in main lab & bird shack – complete  
Monitoring underway systems  
2011/12 Science Orders

Tomorrow:

Digicoursebirds - ongoing  
Organize ET Shop  
ARGO Float Deployment

Monitor underway systems.

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **1. PRODUCTION SUMMARY**

<b>2012-01-19</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

### **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-19</b>
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:**

Lat 18 05.385N  
Lon 161.16 803E

SOG 11.3 KTS  
HDG 260°  
DPT 5621

Seas 1m  
Wind 12kn

### **3. TIME SUMMARY**

#### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.

Argo Float #8  
Float Number 5823  
Float ID - 590383  
Reset time -0657 UTC  
Date - 2012-01-19 d019  
Deployer - Bernard K. McKiernan, Megan H. Meyer, Ping Paragas  
Deployed at 0849 UTC  
Dpth 5682 m  
Actual Deployment Location  
17 47.952N  
159 53.826E

Prep half DigiCourse Birds for next cruise  
Monitoring underway systems  
2011/12 Science Orders  
Organize ET Shop

Tomorrow:

Digicourse birds - ongoing  
Organize ET Shop & Main Laboratory  
ARGO Float Deployment

Monitor underway systems.

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth

**1. PRODUCTION SUMMARY**

<b>2012-01-20</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

**2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-20</b>
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:**

Lat 16 48.9930N  
Lon 157 02.1228E

SOG 11.22  
HDG 262°  
DPT 5765

Seas 2 m  
Wind 13 knots

**3. TIME SUMMARY**

**4. Comments**

**Science Technical staff on board:**  
Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.  
Float Number 5825  
Float ID - 5903808  
Reset time -0346 UTC  
Date - 2012-01-20 d020

Deployer - Bernard K. McKiernan, Megan H. Meyer, Mark Landow  
Deployed at 0426 UTC  
Dpth 5887m

Actual Deployment Location  
Lat - 16 41.658N  
Long 156 36.302E

Seas were about 2 m. Float was launched from the streamer deck without incident.

DigiCourse Birds for next cruise - complete  
Organize ET Shop  
Monitoring underway systems  
2011/12 Science Orders

Tomorrow:

Organize ET Shop & Main Laboratory  
Overhead Tech Office.

Monitor underway systems.

Regards  
M.H.Meyer



**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **1. PRODUCTION SUMMARY**

<b>2012-01-21</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

### **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-21</b>
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:**

Lat 15 41. 7113N  
Lon 153 04.5764E

SOG 10.8  
HDG 254°  
DPT 5932

Seas 1 m  
Wind 12 knots

### **3. TIME SUMMARY**

### **4. Comments**

**Science Technical staff on board:**  
Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.  
Organize ET Shop – ongoing  
Remove overhead in tech office for aframe job & clean - complete  
Monitor underway systems  
2011/12 Science Orders - ongoing

Tomorrow:

Organize ET Shop & Main Laboratory.  
Move obstructions in half high space IWO the fire watch for turning block job.  
Estimated arrival Guam pilot station ~23:30 UTC.

Monitor underway systems

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

### **1. PRODUCTION SUMMARY**

<b>2012-01-22</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

### **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-22</b>
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:**

Lat 14 39.7172N  
Lon 148 43.5386

SOG 10.8  
HDG 255°  
DPT 5682m

Seas 1 m  
Wind 3 knots

### **3. TIME SUMMARY**

### **4. Comments**

**Science Technical staff on board:**  
Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**5.Daily Summary:**

Vessel in transit to Apra Harbor, Guam.  
Organize ET Shop – ongoing  
Organize Bird Shack - ongoing  
2011/12 Science Orders – ongoing

Tomorrow:

Organize ET Shop & Main Laboratory.  
Offload OBS Group equipment  
Hook up with the SIO & WHOI OBS groups regarding equipment transfer on the 23<sup>rd</sup>.  
Move obstructions in half high space IWO the fire watch for turning block job.  
Triple M Arrives

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

## **1. PRODUCTION SUMMARY**

<b>2012-01-23</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-23</b>
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:**

Sierra Pier Guam Naval Base

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

**5.Daily Summary:**

Organize ET Shop & Main Laboratory.  
Offload OBS Group equipment

Rcvd – Gyro for BGM, Bolt Order MGL PO 598662  
Organize ET Shop – ongoing  
Organize Bird Shack - ongoing  
2011/12 Science Orders – ongoing

Tomorrow:

Find Gravity Location & Gravity Tie  
Acoustic Batteries  
Clean Up Organize ET Shop & Main Laboratory.  
Recycle Bird Batteries

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

**Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth**

## **1. PRODUCTION SUMMARY**

<b>2012-01-24</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-24</b>
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:**

Sierra Pier Guam Naval Base

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

**5.Daily Summary:**

Find Gravity Location & Gravity Tie  
Acoustic Batteries  
CruisePro Troubleshooting (steering repeater)  
2011/12 Science Orders – ongoing

Tomorrow:

Continue Cruise-Pro troubleshooting  
Find Gravity Location & Gravity Tie  
Clean Up Organize ET Shop & Main Laboratory.  
Recycle Bird Batteries

Regards  
M.H.Meyer



**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth

## **1. PRODUCTION SUMMARY**

<b>2012-01-25</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-25</b>
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:**

Sierra Pier Guam Naval Base

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan  
IT – David Ng

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

**5.Daily Summary:**

David Ng arrives.

Continue Cruise-Pro troubleshooting – Complete

Clean Up Organize ET Shop & Main Laboratory.

Unbox/repack bird batteries for recycling – awaiting more info from agent

2011/12 Science Orders – ongoing

David Ng arrives.

Rcvd – SCI-188 partial spectrum analyzer

Tomorrow:

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations  
Cc: Reports Group  
Fm: M.H.Meyer

Transit to Apra Harbor, Guam  
R/V Marcus G. Langseth

**1. PRODUCTION SUMMARY**

<b>2012-01-26</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

**2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-26</b>
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:**

Sierra Pier Guam Naval Base

**3. TIME SUMMARY**

**4. Comments**

**Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan  
IT – David Ng

**Science Party on board:**

None.

**Marine Mammal Observer Staff on board:**

None.

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

**Transit to Apra Harbor, Guam**

**R/V Marcus G. Langseth**

**5.Daily Summary:**

Calibrate additional birds for 8k  
Install cargo net to prevent acoustics from sliding.  
Prep data for archive – ongoing  
Set up new Jetstor  
Unbox/repack bird batteries for recycling - complete  
2011/12 Science Orders – ongoing

Rcvd Partial – GUN-131

Tomorrow:

Set up back deck for 8k & next cruise

Reinstall lab overhead

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

Apra Harbor, Guam  
R/V Marcus G. Langseth

## **1. PRODUCTION SUMMARY**

<b>2012-01-27</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-27</b>
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:**

Sierra Pier Guam Naval Base

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan  
IT – David Ng

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

Apra Harbor, Guam  
R/V Marcus G. Langseth

**5.Daily Summary:**

Remove Micro SV from USS and test – confirmed bad.

Prep data for archive – complete

Set up new Jetstor - ongoing

2011/12 Science Orders – ongoing

Tomorrow:

Spool stick and tail stretch off and change over for 8k.

Remove streamer 2 slip ring & install spare & test.

Reinstall lab overhead – welding job is ongoing

Regards  
M.H.Meyer

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

Apra Harbor, Guam  
R/V Marcus G. Langseth

## **1. PRODUCTION SUMMARY**

<b>2012-01-28</b>	<u>Sailed Km</u>
Prime	0.000
Infill	0.000
Reshoot	0.000
Total:	0.000

## **2. STATISTICAL ANALYSIS (DECIMAL HOURS)**

<b><u>Time Activity Analysis</u></b>	<b>2012-01-28</b>
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:**

Sierra Pier Guam Naval Base

## **3. TIME SUMMARY**

### **4. Comments**

#### **Science Technical staff on board:**

Technical Services Coordinator – Megan Meyer  
Marine Tech – Bern McKiernan  
IT – David Ng

#### **Science Party on board:**

None.

#### **Marine Mammal Observer Staff on board:**

None.

**Cruise : MGL1202**

To: Office of Marine Operations

Cc: Reports Group

Fm: M.H.Meyer

Apra Harbor, Guam  
R/V Marcus G. Langseth

**5.Daily Summary:**

Remove Streamer 2 slip ring & install spare.

Tomorrow:

Finish installing Streamer 2 slip ring & test.

Clean up bad slip ring bring to the lab.

Groves arrival delayed.

Clean all lab spaces & trash removal.

Reinstall Lab overhead – welding job still ongoing.

Regards  
M.H.Meyer