



Weins/Dunn

MGL0903

Lau Basin

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: A Johnson – Technician in Charge (LDEO)

Daily Report for 08 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/08/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/08/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	0:00
Port Call	24:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Dockside Suva, Fiji

UTC Midnight (24:00) Position / Heading:

POS 18 08.1353 S
178 25.3731 W
HDG: 022.7 Deg
SPEED: 0.0 Kts



Weins/Dunn

MGL0903

Lau Basin

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: A Johnson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+12.

Science technical staff currently on board:

Johnson, Koczyński, McKiernan, Gutierrez, Goodick, Spoto, Ng, White, Maxwell

Science party currently on board:

Dunn, Conder, Martinez, Conley, Emry, Austin, Sleeper, Dubois, Gardner, Hollinshead, Kane, Thai

Mammal observers currently on board vessel:

Holst

Daily Summary:

Dockside Suva.

Received science shipment.

Next 24 hours

Port call. Science party departs.

Anthony Johnson



Weins/Dunn

MGL0903

Lau Basin

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 09 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/09/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/09/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	0:00
Port Call	24:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Dockside Suva, Fiji

UTC Midnight (24:00) Position / Heading:

POS 18 08.1353 S
178 25.3731 W
HDG: 022.7 Deg
SPEED: 0.0 Kts



Weins/Dunn

MGL0903

Lau Basin

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+12.

Science technical staff currently on board:

Martinson, Gunn, Zhang, Tatro, and Eaton

Science party currently on board:

None

Mammal observers currently on board vessel:

None

Daily Summary:

Dockside Suva.

Science technical personnel Zhang, Eaton, and Tatro arrive. LDEO technical staff hand-over and briefing. Science party departs. Science technical staff Johnson, Koczynski, McKiernan, Gutierrez, Goodick, Spoto, White, and Maxwell depart. Mammal observer Holst departs.

Next 24 hours

Secure and make ready for departure from Suva, Fiji.

David Martinson



Weins/Dunn

MGL0903

Lau Basin

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 09 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/09/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/09/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	0:00
Port Call	24:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Dockside Suva, Fiji

UTC Midnight (24:00) Position / Heading:

POS 18 08.1353 S
178 25.3731 W
HDG: 022.7 Deg
SPEED: 0.0 Kts



Weins/Dunn

MGL0903

Lau Basin

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+12.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Dockside Suva.

Science technical personnel Zhang, Eaton, and Tatro arrive. LDEO technical staff hand-over and briefing. Science party departs. Science technical staff Johnson, Koczynski, McKiernan, Gutierrez, Goodick, Spoto, White, and Maxwell depart. Mammal observer Holst departs.

Next 24 hours
Secure and make ready for departure from Suva, Fiji.

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 10 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/10/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/10/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	8:00
Port Call	16:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	16:00	Dockside Suva, Fiji
16:00	24:00	Transit to Kao hsieng, Taiwan

UTC Midnight (24:00) Position / Heading:

POS 18 31.1923 S
177 18.1735 W
HDG: 312.5 Deg



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

SPEED: 10.2 Kts

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+12.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Depart Suva at 20:00 UTC. General securement and stowage duties performed. Gun maintenance started, data close-out underway, system readiness and maintenance underway.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 11 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/11/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/11/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kao hsieng, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	15 51.56215 S
	174 15.62448 W
HDG:	311.1 Deg
SPEED:	10.7 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+12.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Gun maintenance started, data close-out underway, system readiness and maintenance underway.
Inventory underway.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 12 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/12/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/12/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kao hsieng, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	13 20.19625 S
	171 24.84420 W
HDG:	310.5 Deg
SPEED:	10.7 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+11.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Gun maintenance in progress, data close-out in progress, system readiness and maintenance in progress.
Inventory in progress.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 13 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/13/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/13/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kao hsieng, Taiwan

UTC Midnight (24:00) Position / Heading:

POS 10 29.38329 S
 168 14.26146 W
 HDG: 312.0 Deg
 SPEED: 10.0 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+11.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Gun maintenance in progress, data close-out in progress, system readiness and maintenance in progress.
Inventory in progress.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 14 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/14/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/14/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kao hsieng, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	7 48.45941 S
	165 16.32389 W
HDG:	306.0 Deg
SPEED:	9.5 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+11.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Preparation for retermination of gun umbilical in progress, data close-out finalizing, system readiness and maintenance in progress. Bird diagnostics, repair and inventory in progress.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 15 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/15/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/15/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kao hsieng, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	5 02.05542 S
	162 13.47732 W
HDG:	313.0 Deg
SPEED:	10.8 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 0'

Comments

Local time is UTC+11.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Retermination of gun umbilical in progress, data close-out finalizing, system readiness and maintenance in progress. Bird diagnostics, repair and inventory in progress.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

ETA Kaohsiung, Taiwan – 03/28/09

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 16 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/16/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/16/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS 2 21.47438 S
159 00.80644 W
HDG: 304.0 Deg
SPEED: 10.1 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 0-5 kts.
Seas 1'

Comments

Local time is UTC+10.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Retermination of gun umbilical in progress, data close-out finalizing, system readiness and maintenance in progress. Bird diagnostics, repair and inventory in progress. GPS check out and repair of gun string GPS units completed.

Next 24 hours
Gun maintenance, inventory, general repairs, and data close-out will continue.

ETA Kaohsiung, Taiwan – 03/28/09

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 17 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km **03/17/2009**
 No seismic survey
 Total: 0.000

Time Activity Analysis

03/17/2009
 Source Survey 0:00
 Source Survey/Source Maint. 0:00
 Source Maint 0:00
 Source Recovery 0:00
 Source Deploy 0:00
 OBS Recovery 0:00
 OBS Deploy 0:00
 OBS Delay 0:00
 Seismic Air Compressor 0:00
 Turn/Transition 0:00
 Magnetometer Survey 0:00
 Multibeam survey 0:00
 Transit/Demob 24:00
 Port Call 0:00
 Weather 0:00
 Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS 0 02.54392 N
 155 27.54594 W
 HDG: 306.0 Deg
 SPEED: 10.5 Kts



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 8-15 kts.
Seas 1-2'

Comments

Local time is UTC+10.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:

Re-termination of gun umbilical in progress, data close-out finalizing, system readiness and maintenance in progress. Bird diagnostics, repair and inventory in progress. GPS check out and repair of gun string GPS units completed. GPS repair of TB pods still in progress.

Next 24 hours

Gun maintenance, inventory, and general repairs and maintenance will continue.

ETA Kaohsiung, Taiwan – 03/28/09

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 18 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/18/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/18/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	02 13.59639 N 151 58.57593 W
HDG:	304.0 Deg
SPEED:	10.3 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 8-15 kts.
Seas 1-2'

Comments

Local time is UTC+10.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:

Retermination of gun umbilical in progress, system readiness and maintenance in progress. Bird diagnostics, repair and inventory in progress. GPS check out and repair of gun string GPS units completed. GPS repair of TB pods still in progress.

Next 24 hours

Gun maintenance, inventory, and general repairs and maintenance will continue.

ETA Kaohsiung, Taiwan – 03/28/09 (8:00-12:00 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 19 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/19/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/19/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	04 31.38967 N
	148 26.73526 W
HDG:	288.7 Deg
SPEED:	10.8 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 10 kts.
Seas 1-2'

Comments

Local time is UTC+10.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:

Re-termination of gun umbilical in progress, system readiness and maintenance in progress. Bird diagnostics, repair and inventory completed. GPS repair of TB pods completed. Main lab equipment maintenance and readiness in progress.

Next 24 hours

Gun maintenance, inventory, and general repairs and maintenance will continue.

ETA Kaohsiung, Taiwan – 03/28/09 (8:00-12:00 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 20 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/20/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/20/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	06 38.27836 N
	144 56.24130 W
HDG:	284.3 Deg
SPEED:	11.2 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 10 kts.
Seas 1-2'

Comments

Local time is UTC+10.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Retermination of gun umbilical in progress. Main lab equipment maintenance and readiness in progress.

Next 24 hours
Gun maintenance, inventory, and general repairs and maintenance will continue.

ETA Kaohsiung, Taiwan – 03/28/09 (8:00-12:00 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 21 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km **03/21/2009**
 No seismic survey
 Total: 0.000

Time Activity Analysis

03/21/2009
 Source Survey 0:00
 Source Survey/Source Maint. 0:00
 Source Maint 0:00
 Source Recovery 0:00
 Source Deploy 0:00
 OBS Recovery 0:00
 OBS Deploy 0:00
 OBS Delay 0:00
 Seismic Air Compressor 0:00
 Turn/Transition 0:00
 Magnetometer Survey 0:00
 Multibeam survey 0:00
 Transit/Demob 24:00
 Port Call 0:00
 Weather 0:00
 Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS 07 41.27036 N
 140 37.13841 E
 HDG: 309.0 Deg
 SPEED: 11.0 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 10 kts.
Seas 1-2'

Comments

Local time is UTC+10.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Retermination of gun umbilical completed. Main lab equipment maintenance and readiness in progress.

Next 24 hours
Gun maintenance, inventory, and general repairs and maintenance will continue. Stowage and securement of reterminated gun umbilical.

ETA Kaohsiung, Taiwan – 03/28/09 (0600 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 22 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/22/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/22/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	09 55.78097 N
	136 52.04995 E
HDG:	310.0 Deg
SPEED:	10.5 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 5-10 kts.
Seas 1-2'

Comments

Local time is UTC+9.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Stowage and securement of gun umbilical completed. Main lab equipment maintenance and readiness in progress.

Next 24 hours
Gun maintenance, inventory, and general repairs and maintenance will continue.

ETA Kaohsiung, Taiwan – 03/28/09 (0600 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 23 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/23/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/23/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	12 41.71185 N
	133 18.40600 E
HDG:	309.0 Deg
SPEED:	10.2 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 5-10 kts.
Seas 1-2'

Comments

Local time is UTC+9.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Full system shakedown and testing in progress.

Next 24 hours
Gun maintenance, inventory, and general repairs and maintenance will continue.

ETA Kaohsiung, Taiwan – 03/28/09 (0600 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 24 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/24/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/24/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	15 20.84838 N
	129 51.29839 E
HDG:	306.0 Deg
SPEED:	10.7 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds Calm
Seas Calm

Comments

Local time is UTC+9.

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Full system shakedown and testing in progress.

Next 24 hours
Adjust source depth for 8m. Adjust techno float for 9m streamer depth. Continue full system shakedown.

ETA Kaohsiung, Taiwan – 03/28/09 (0600 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 25 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/25/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/25/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	17 55.82391 N
	126 27.05018 E
HDG:	309.0 Deg
SPEED:	9.4 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 15-25 knots
Seas 2+

Comments

Local time is UTC+8

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Full system shakedown and testing in progress.

Next 24 hours
Adjust source depth for 8m. Adjust techno float for 9m streamer depth. Continue full system shakedown.

ETA Kaohsiung, Taiwan – 03/28/09 (0600-0800 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 26 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/26/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/26/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	20 26.74668 N
	123 05.35903 E
HDG:	309.0 Deg
SPEED:	10.8 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 5-10 knots
Seas 1-2

Comments

Local time is UTC+8

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Continue system testing. Begin cleanup and organization of lab spaces.

Next 24 hours
Begin data closeout of MGL0904(transit). Continue system testing. Continue cleanup.

ETA Kaohsiung, Taiwan – 03/28/09 (0600-0800 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 27 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/27/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/27/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	24:00
Port Call	0:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Transit to Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	22 37.10327 N
	120 16.64851 E
HDG:	309.0 Deg
SPEED:	10.2 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 5-10 knots
Seas 1-2

Comments

Local time is UTC+8

Science technical staff currently on board:
Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:
None

Mammal observers currently on board vessel:
None

Daily Summary:
Continue system testing. Begin cleanup and organization of lab spaces.

Next 24 hours
Continue system testing. Continue cleanup.

ETA Kaohsiung, Taiwan – 03/28/09 (0600-0800 local)

David Martinson



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Daily Report for 28 MAR 2009

1. PRODUCTION SUMMARY

No Production

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

03/28/2009

No seismic survey

Total: 0.000

Time Activity Analysis

03/28/2009

Source Survey	0:00
Source Survey/Source Maint.	0:00
Source Maint	0:00
Source Recovery	0:00
Source Deploy	0:00
OBS Recovery	0:00
OBS Deploy	0:00
OBS Delay	0:00
Seismic Air Compressor	0:00
Turn/Transition	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Demob	0:00
Port Call	24:00
Weather	0:00

Total: 24:00

3. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Dockside in Kaohsiung, Taiwan

UTC Midnight (24:00) Position / Heading:

POS	22 37.10336 N
	120 16.64885 E
HDG:	297.0 Deg
SPEED:	0.0 Knots



Taiger transit

MGL0904

R/V Marcus G. Langseth

To: Office of Marine Operations
Cc: Reports Group
Fm: D Martinson – Technician in Charge (LDEO)

Weather:

Winds 5-10 knots
Seas calm

Comments

Local time is UTC+8

Science technical staff currently on board:

Steinhaus, Martello, Gutierrez, Goodick, Cucchiara, Harpour, Martinson, Gunn, Zhang, Tatro, Ng, and Eaton

Science party currently on board:

None

Mammal observers currently on board vessel:

None

Daily Summary:

Final system configuration and testing. Begin staging and securing of oncoming science party equipment.

Next 24 hours

Continue system testing and configuration. Safety orientation.

David Martinson