



Taiger Leg #2 Mobilization

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 03 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/03/2009

Prime Sail Line	0.000
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	0.000

Time Activity Analysis

05/03/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	24:00
Weather/Currents	0:00
Total:	24:00



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R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	Port Call

GMT Midnight (24:00) Position / Heading:

POS	22 36.9002 N
	120 17.0650 E
HDG:	296.9 Deg
SPEED:	0.0 Knots

Weather:

Winds	NE @ 3 Kts
Seas	0-1' -- In harbor

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Science party arrived ~1600 L.

Gunshop replacing shackles, chains, mudhose clamps.

Moved two streamer sections from compromised wooden reel on OBS deck to spare wooden reel on OBS deck. Prepared for sea.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 04 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/04/2009

Prime Sail Line	0.000
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	0.000

Time Activity Analysis

05/04/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	15:50
Transit/Mob/Demob	0:00
Port Call	2:42
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

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R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	02:42	Port Call
02:42	08:10	Transit
08:10	24:00	Multibeam survey

GMT Midnight (24:00) Position / Heading:

POS 21 54.5 N
 119 54.0 E
HDG: 288 Deg
SPEED: 10.2 Knots

Weather:

Winds NE @ 18 Kts
Seas Calm

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Depart Kaohsiung for MGL0906

Multibeam survey outside of Taiwan 24-nm limit while waiting for OBS deployment along seismic survey line MGL0906-01.

Tomorrow:

Deploy source ,begin shooting source-only lines MGL0906-01

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 05 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/05/2009

Prime Sail Line	39.150
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	39.150

Time Activity Analysis

05/05/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	6:12
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	6:07
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	1:06
Power/Propulsion/Steering	0:12
Fishing Traffic	0:00
Turn/Transition	9:38
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:45
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:45	Multibeam survey



Taiger Leg #2

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To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

00:45	01:44	Transit to source deployment point
01:44	01:56	Loss of steering/vessel halted
01:56	08:31	Transit to source deployment point
08:31	10:00	Deploy source
10:00	11:06	Repair hydraulic leak system 2
11:06	14:10	Deploy source
14:10	15:44	Repair string 1 front cluster jumper
15:44	16:04	Transition to turn point
16:04	17:48	Turn on to line MGL0906_01
17:48	24:00	OBS Line – MGL0906_01 FSP 929 – 1190
		Prime – Midnight Shot Point: 1190 – Line continued on new day

GMT Midnight (24:00) Position / Heading:

POS	20 40.6618 N
	119 30.3031 E
HDG:	14.2 Deg
SPEED:	10.2 Knots

Weather:

Winds	NE @ 20 Kts
Seas	Calm

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Broke off from MB survey, headed south to deploy gear and begin line MGL0906_001. Deployed PAM. Began source deploy. Delayed briefly for hydraulics failure. Full source deployed and ready at 15:44. Deployed Maggie. Turned on to line and began shooting at 17:48. Continued shooting into new day.

Tomorrow:

Continue source-only survey along MGL0906_01

Anthony Johnson



Taiger Leg #2

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R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 06 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/06/2009

Prime Sail Line	99.900
Infill Sail Line	0.000
Reshoot Sail Line	24.900
Total:	124.800

Time Activity Analysis

05/06/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	15:32
Source Maintenance	3:09
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	5:19
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	07:21	OBS Line – MGL0906_01 SP 1191 – 1560 – Abort for source repair
07:21	10:30	Source repair
10:30	11:59	Equipment failure – Power/Comms to string 2
11:59	15:06	Equipment failure – Digishot
15:06	15:49	Turn/transition
15:49	18:40	Source survey – MGL0906_01A FSP1393 – 1857
		Reshoot 1939 – 1559, Prime 1560 – 1857
		Midnight Shot Point: 1857 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 21 34.3175 N
 119 22.2801 E
HDG: 14.2 Deg
SPEED: 10.2 Knots

Weather:

Winds NE @ 29 Kts
Seas 10-12'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Continued line MGL0906_01 until 0721z, picked up string 2 for repair and looped back to ensure continuous coverage. Then lost several hours due to umbilical and Digishot failures. Continued line, MGL0906_01A, at 1549z. Source performing well.

Tomorrow:

Continue source-only survey along MGL0906_01. Will cross into the 24-nm limit ~1630z. Will reach WP02 ~2100z.



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To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 06 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/06/2009

Prime Sail Line	99.750
Infill Sail Line	34.200
Reshoot Sail Line	0.000
Total:	133.950

Time Activity Analysis

05/06/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	16:07
Source Maintenance	2:34
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	5:19
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



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To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	07:56	OBS Line – MGL0906_01 SP 1191 – 1619 – Prime Early EOL for source repair and loop back
07:56	10:30	Source repair
10:30	11:59	Equipment failure – Power/Comms to string 2
11:59	15:06	Equipment failure – Digishot
15:06	15:49	Turn/transition
15:49	19:45	Source survey – MGL0906_01A FSP1393 – LSP 1619 Infill
19:45	24:00	Source survey – MGL0906_01A FSP1620 – LSP 1857 Prime Midnight Shot Point: 1857 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 21 34.3175 N
 119 22.2801 E
HDG: 14.2 Deg
SPEED: 10.2 Knots

Weather:

Winds NE @ 29 Kts
Seas 10-12'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Continued line MGL0906_01. Decision made to recover string 2 for maintenance at 0721z. Continued MGL0906_01 until 0756z and looped back to ensure continuous coverage. Then lost several hours due to umbilical and Digishot failures. Continued line, MGL0906_01A, at 1549z. Source performing well.

Tomorrow:



Taiger Leg #2

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R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Continue source-only survey along MGL0906_01. Will cross into the 24-nm limit ~1630z. Will reach WP02 ~2100z.

Anthony Johnson



Taiger Leg #2

MGL0906

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To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 07 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/07/2009

Prime Sail Line	187.800
Infill Sail Line	0.000
Reshoot Sail Line	0.900
Total:	187.800

Time Activity Analysis

05/07/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	22:54
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	1:06
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	22:38	Source survey – MGL0906_01A FSP 1858 – 3103 Prime
22:38	23:44	Turn/transition
23:44	00:00	Source survey – MGL0906_02 FSP 964 – 971 Prime – Midnight Shot Point: 971 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 23 16.0774 N
 119 06.1937 E
HDG: 136 Deg
SPEED: 2.6 Knots

Weather:

Winds NE @ 9 Kts
Seas 1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Continued line MGL0906_01A until 2238z. Looped around 180 deg. To start MGL0906_02. Strong currents experienced in the shallow water, as well as some fishing traffic.

All TSG, Knudsen, EM122, mag, grav logging off while within 24nm of Taiwan coast.

Tomorrow:

Continue source-only survey along MGL0906_02. Turn on to MGL0906_03. Survey and complete MGL0906_03. Survey and complete MGL0906_04. Possible source maintenance at WP 5.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 07 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/07/2009

Prime Sail Line 187.800

Infill Sail Line 0.000

Reshoot Sail Line 0.900

Total: 187.800

Time Activity Analysis

05/07/2009

MCS Production 0:00

MCS Line Change 0:00

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source-only Production 22:54

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Power/Propulsion/Steering 0:00

Equipment Failure 0:00

Fishing Traffic 0:00

Turn/Transition 1:06

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	22:38	Source survey – MGL0906_01A FSP 1858 – 3103 Prime
22:38	23:44	Turn/transition
23:44	00:00	Source survey – MGL0906_02 FSP 964 – 971 Prime – Midnight Shot Point: 971 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	23 16.0774 N 119 06.1937 E
HDG:	136 Deg
SPEED:	2.6 Knots

Weather:

Winds	NE @ 9 Kts
Seas	1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Continued line MGL0906_01A until 2238z. Looped around 180 deg. To start MGL0906_02. Strong currents experienced in the shallow water, as well as some fishing traffic.

All TSG, Knudsen, EM122, mag, grav logging off while within 24nm of Taiwan coast.

Tomorrow:

Continue source-only survey along MGL0906_02. Turn on to MGL0906_03. Survey and complete MGL0906_03. Survey and complete MGL0906_04. Possible source maintenance at WP 5.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 08 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/08/2009

Prime Sail Line	172.050
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	172.050

Time Activity Analysis

05/08/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	20:17
Source Maintenance	1:28
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	2:15
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	07:32	Source survey – MGL0906_02 FSP 965 – LSP 1372 – Prime
07:32	07:37	Line change
07:37	09:03	Source survey – MGL0906_03 FSP 1008 – LSP 1083 – Prime
09:03	10:13	Line change
10:13	21:29	Source survey – MGL0906_04 FSP 971 – LSP 1636 – Prime
21:29	23:57	Extended line change
23:57	00:00	Source survey – MGL0906_05 FSP 886 – LSP 888 – Prime Midnight Shot Point: 888 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 22 37.3409 N
 120 04.3880 E
HDG: 322 Deg
SPEED: 4.0 Knots

Weather:

Winds NW @ 7 Kts
Seas 1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed line MGL0906_02A. Survey lines MGL0906_03, MGL0906_04. Extend line change at WP5 for source maintenance. Begin survey line MGL0906_05.

All TSG, Knudsen, EM122, mag, grav logging off while within 24nm of Taiwan coast.

Tomorrow:

Continue and complete source-only survey along MGL0906_05. Survey lines MGL0906_06, 06A, Begin survey line MGL0906_07.



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R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 09 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/09/2009

Prime Sail Line 193.400

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 193.400

Time Activity Analysis

05/09/2009

MCS Production 0:00

MCS Line Change 0:00

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source-only Production 21:52

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 1:00

Hydraulic System 0:00

Power/Propulsion/Steering 0:00

Equipment Failure 0:00

Fishing Traffic 0:00

Turn/Transition 0:04

IHA/MMO Mitigation 1:04

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	06:19	Source survey – MGL0906_05 FSP 889 – LSP 1415 – Prime
06:19	06:21	Turn/transition
06:21	11:53	Source survey – MGL0906_06 FSP 1003 – LSP 1522 – Prime
11:53	11:55	Line change
11:55	14:00	Source survey – MGL0906_06A FSP 1006 – LSP 1258 – Prime
14:00	14:00	Line change
14:00	16:42	Source survey – MGL0906_07 FSP 1002 – LSP 1237 – Prime
16:42	17:42	Compressor failure
17:42	22:56	Source survey – MGL0906_07A FSP 1280 – LSP 1682 – Prime
22:56	24:00	Mitigation

GMT Midnight (24:00) Position / Heading:

POS 24 21.6545 N
 120 19.5638 E
HDG: 322 Deg
SMG: 5.9 Knots

Weather:

Winds NW @ 10 Kts
Seas 1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed line MGL0906_05A. Survey lines MGL0906_06, MGL0906_06At. Strong currents experienced through the narrows. Begin line MGL0906_07. Alerted by coastal mitigation teams that sound level was exceeding limits: reduced source volume to 4950 (3 strings) at 1621z.



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Compressor failure 1642z. Reduced volume to 40 (1 gun). Compressor issue resolved and back online MGL0906_07A at 3300 volume (2 strings) at 1742z. Source maintenance on non-firing strings while at reduced volume. Mitigation teams alerted us again at 2256z, and source was shut down completely.

All TSG, Knudsen, EM122, mag, grav logging off while within 24nm of Taiwan coast.

Tomorrow:

After mitigation, continue and complete source-only survey along MGL0906_07B. Reach WP8 ~1500z.

Possible source maintenance at WP8, then begin survey along MGL0906_08A.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 10 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/10/2009

Prime Sail Line	175.400
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	175.400

Time Activity Analysis

05/10/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	19:41
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:01
IHA/MMO Mitigation	4:18
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	04:18	Begin Ramp-up
04:18	15:36	Source survey – MGL0906_07B FSP 2232 – LSP 3231 – Prime
15:36	15:37	Line change
15:37	00:00	Source survey – MGL0906_08 FSP 1007 – LSP 1762 – Prime Midnight Shot Point: 1762 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 25 30.1421 N
 121 45.4625 E
HDG: 99.4 Deg
SMG: 4.1 Knots

Weather:

Winds SW @ 6 Kts
Seas 1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Mitigation continued into new day. Began ramp-up at 0338z. Begin and complete survey lines MGL0906_07B. Begin survey line MGL0906_08. Source string 1 failure, string 1 and 2 turned off for repair at 2016z. Source repaired and redeployed, full source on at 2145z.

All TSG, Knudsen, EM122, mag, grav logging off while within 24nm of Taiwan coast.

Tomorrow:

Continue and complete source-only survey along MGL0906_08. Reach WP9 ~1100z. Possible source maintenance at WP9, then begin survey along MGL0906_09. Restart TSG, Knudsen, EM122, mag, grav logging before WP 09.



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 11 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/11/2009

Prime Sail Line 156.600

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 156.600

Time Activity Analysis

05/11/2009

MCS Production 0:00

MCS Line Change 0:00

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source-only Production 18:37

Source Maintenance 4:02

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Power/Propulsion/Steering 0:00

Equipment Failure 0:00

Fishing Traffic 0:00

Turn/Transition 0:21

IHA/MMO Mitigation 1:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	09:20	Source survey – MGL0906_08 FSP 1763 – LSP 2517 – Prime
09:20	10:20	Mitigation
10:20	14:22	Source maintenance
14:22	21:35	Source survey – MGL0906_09 FSP 1001 – LSP 1575 – Prime
21:35	21:56	Line change
21:56	00:00	Source survey – MGL0906_09 FSP1025 Midnight Shot Point: 1145 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 25 53.4014 N
 122 18.5469 E
HDG: 201 Deg
SMG: 3.7 Knots

Weather:

Winds SW @ 9 Kts
Seas 1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Surveyed MGL0906_08. Visual observation of mammals triggers mitigation toward line end. Decision to abandon line made by PI. Began needed air plumbing maintenance and source maintenance. Restarted TSG, Knudsen, EM122, mag, grav at 24 nm limit. Source maintenance continued into outside turn on to MGL0906_09. Survey of MGL0906_09. Turn on to and start survey line MGL0906_10. Contacted by PRC surveillance vessel # 46 at 2230z. Re-secured TSG, Knudsen, EM122, mag, grav logging at 24nm limit.

Tomorrow:

Complete survey along MGL0906_10. Survey MGL0906_11. Arrive WP12 ~2200z, begin source recovery.



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 12 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/12/2009

Prime Sail Line 155.500

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 155.500

Time Activity Analysis

05/12/2009

MCS Production 0:00

MCS Line Change 0:00

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source-only Production 23:58

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Power/Propulsion/Steering 0:00

Equipment Failure 0:00

Fishing Traffic 0:00

Turn/Transition 0:02

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	11:01	Source survey – MGL0906_10 FSP 1145 – LSP 1908 – Prime
11:01	11:03	Turn/transition
11:03	00:00	Source survey – MGL0906_11 FSP 1018 – LSP 1810 – Prime Midnight Shot Point: 1810 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 25 10.4064 N
 122 41.1101 E
HDG: 132 Deg
SMG: 3.3 Knots

Weather:

Winds NW @ 12 Kts
Seas 1-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed survey of MGL0906_10. Began survey along MGL0906_11. TSG, Knudsen, EM122, Mag + Grav logging restarted outside of 24nm boundary.

Tomorrow:

Recover source, deploy streamer, begin MCS survey along MGL0906_12.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 13 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/13/2009

Prime Sail Line	8.900
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	8.900

Time Activity Analysis

05/13/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	21:13
Source-only Production	1:21
Source Maintenance	0:00
Source Recovery	1:05
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:21
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	01:21	Source survey – MGL0906_11 FSP 1810 – LSP 1899 – Prime
01:21	01:42	Turn/transition
01:42	02:47	Source recovery
02:47	24:00	Streamer deployment

GMT Midnight (24:00) Position / Heading:

POS 24 55.6435 N
 122 33.0139 E
HDG: 029 Deg
SMG: 7.9 Knots

Weather:

Winds NW @ 15.4 Kts
Seas 6'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed survey of MGL0906_11. Recovered source. Began Streamer deployment.

Tomorrow:

Finish streamer deployment, begin MCS survey along MGL0906_12.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 14 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/14/2009

Prime Sail Line	8.900
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	8.900

Time Activity Analysis

05/14/2009

MCS Production	2:08
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:25
Source-only Production	0:00
Source Maintenance	3:48
Source Recovery	0:00
Source Deploy	1:45
PAM Deploy	0:08
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	7:13
Fishing Traffic	0:00
Turn/Transition	2:43
IHA/MMO Mitigation	5:50
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:25	Streamer deploy
00:25	00:33	PAM Deploy
00:33	02:18	Source deploy
02:18	04:38	Source maintenance
04:38	11:00	Equipment failure – Digishot source controller
11:00	12:28	Source maintenance
12:28	13:48	Turn/transition
13:38	13:48	Equipment failure – Spectra
13:48	15:39	MCS Survey – MGL0906_12A FSP 1012 – LSP 1083 – Prime
15:39	16:20	Equipment failure – Spectra
16:20	21:34	Mitigation
21:34	22:10	Ramp-up
22:10	23:43	Turn/transition
23:43	00:00	MCS Survey – MGL0906_12B FSP 1026 – LSP 1036 – Infill

GMT Midnight (24:00) Position / Heading:

POS 25 07.8156 N
 122 45.5954 E
HDG: 205 Deg
SMG: 2.0 Knots

Weather:

Winds NW @ 4.8 Kts
Seas 3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed streamer deployment. Deployed source. Source recovered for repair at . Further troubleshooting. Source control and comms problems resolved at 1228z. Began MCS survey along MGL0906_12. Spectra



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

failure at 1539z, source failed to fire. Unable to restart in time and shut down for the night per IHA requirements.

Ramped up at sunrise and came back online. We are now online, shooting and recording along MGL0906_12.

Tomorrow:

Finish streamer deployment, restarted MCS survey along MGL0906_12.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 14 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/14/2009

Prime Sail Line	8.900
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	8.900

Time Activity Analysis

05/14/2009

MCS Production	2:08
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:25
Source-only Production	0:00
Source Maintenance	3:48
Source Recovery	0:00
Source Deploy	1:45
PAM Deploy	0:08
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	7:13
Fishing Traffic	0:00
Turn/Transition	2:43
IHA/MMO Mitigation	5:50
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:25	Streamer deploy
00:25	00:33	PAM Deploy
00:33	02:18	Source deploy
02:18	04:38	Source maintenance
04:38	11:00	Equipment failure – Digishot source controller
11:00	12:28	Source maintenance
12:28	13:48	Turn/transition
13:38	13:48	Equipment failure – Spectra
13:48	15:39	MCS Survey – MGL0906_12A FSP 1012 – LSP 1083 – Prime
15:39	16:20	Equipment failure – Spectra
16:20	21:34	Mitigation
21:34	22:10	Ramp-up
22:10	23:43	Turn/transition
23:43	00:00	MCS Survey – MGL0906_12B FSP 1026 – LSP 1036 – Infill

GMT Midnight (24:00) Position / Heading:

POS 25 07.8156 N
 122 45.5954 E
HDG: 205 Deg
SMG: 2.0 Knots

Weather:

Winds NW @ 4.8 Kts
Seas 3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed streamer deployment. Deployed source. Source recovered for repair at . Further troubleshooting. Source control and comms problems resolved at 1228z. Began MCS survey along MGL0906_12. Spectra



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

failure at 1539z, source failed to fire. Unable to restart in time and shut down for the night per IHA requirements.

Ramped up at sunrise and came back online. We are now online, shooting and recording along MGL0906_12.

Tomorrow:

Continue MCS survey along MGL0906_12.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 15 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/15/2009

Prime Sail Line	132.700
Infill Sail Line	4.600
Reshoot Sail Line	0.000
Total:	137.300

Time Activity Analysis

05/15/2009

MCS Production	24:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:00	MCS Survey – MGL0906_12B FSP 1037 – LSP 1083 – Infill
00:00	00:00	MCS Survey – MGL0906_12B FSP 1084 – LSP 2411 – Prime
		Midnight Shot Point: 2411 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	25 57.2073 N
	122 19.6982 E
HDG:	193 Deg
SMG:	3.7 Knots

Weather:

Winds:	S @ 16 Kts
Seas:	3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

MCS Survey MGL0906_12

Tomorrow:

Continue MCS survey along MGL0906_12.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 16 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/16/2009

Prime Sail Line	166.700
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	166.300

Time Activity Analysis

05/16/2009

MCS Production	23:33
MCS Line Change	0:27
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	21:58	MCS Survey – MGL0906_12B FSP 2412 – LSP 3968 – Prime
21:58	22:25	Line change
22:25	00:00	MC Survey – MGL0906_13 FSP1069 – LSP 1295 – Prime
		Midnight Shot Point: 1295 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	22 41.5364 N
	121 44.3955 E
HDG:	299 Deg
SMG:	4.1 Knots

Weather:

Winds:	NE @ 12 Kts
Seas:	2-3'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS Survey MGL0906_12, began MCS survey MGL0906_13.

Tomorrow:

Continue MCS survey along MGL0906_13, begin MCS survey MGL0906_14.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 17 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/17/2009

Prime Sail Line	198.650
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	198.650

Time Activity Analysis

05/17/2009

MCS Production	22:29
MCS Line Change	1:31
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	04:07	MCS Survey – MGL0906_13 FSP 1296 – LSP 2079 – Prime
04:07	05:00	Line change
05:00	05:42	MCS Survey – MGL0906_13A FSP 2211 – LSP 2285 – Prime
05:42	06:20	Line change
06:20	00:00	MCS Survey – MGL0906_14 FSP 1005 – LSP 4121 – Prime Midnight Shot Point: 4121 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS: 22 19.98427 N
122 44.22239 E
HDG: 127 Deg
SMG: 5.5 Knots

Weather:

Winds: SE @ 18 Kts
Seas: 3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS Survey MGL0906_13. Strong currents experienced on the western end of the line near the coast. End 13 Early to turn north, continue 13 AS 13A. Turn on to and begin survey along MGL0906_14. Strong currents again experienced on the Western end of the line

Tomorrow:

Continue MCS survey along MGL0906_14. Waypoints 15 and beyond under review.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 17 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/17/2009

Prime Sail Line	198.650
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	198.650

Time Activity Analysis

05/17/2009

MCS Production	19:38
MCS Line Change	0:04
MCS Extended Line Change	1:30
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	2:44
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:04
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:27	MCS Survey MGL0906_14 FSP 4121 – LSP 5207 – Prime
05:27	06:57	Line change/Source Maintenance
06:57	09:41	Source Maintenance
09:41	14:22	MCS Survey MGL0906_15N FSP 963 – LSP 1749 – Prime
14:22	14:26	Equipment failure – Spectra
14:26	23:56	MCS Survey MGL0906_15N FSP 1764 – LSP 3406 – Prime
23:56	00:00	Line change

GMT Midnight (24:00) Position / Heading:

POS: 23 11 57.159 N
123 10 01.198 E
HDG: 355 Deg
SMG: 5.0 Knots

Weather:

Winds: SE @ 7.4 Kts
Seas: 3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS Survey MGL0906_14. Source maintenance. Turn North onto and begin survey along MGL0906_15N. Finished survey on MGL0906_15N just before UTC midnight.

Tomorrow:

Turn and source maintenance, then continue MCS survey along MGL0906_19 Westward toward Taiwan coast. Turn at the coast and survey MGL0906_20 at OBS shot spacing.



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 18 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/18/2009

Prime Sail Line	175.700
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	175.70

Time Activity Analysis

05/18/2009

MCS Production	19:38
MCS Line Change	0:04
MCS Extended Line Change	1:30
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	2:44
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:04
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:27	MCS Survey MGL0906_14 FSP 4121 – LSP 5207 – Prime
05:27	06:57	Line change/Source Maintenance
06:57	09:41	Source Maintenance
09:41	14:22	MCS Survey MGL0906_15N FSP 963 – LSP 1749 – Prime
14:22	14:26	Equipment failure – Spectra
14:26	23:56	MCS Survey MGL0906_15N FSP 1764 – LSP 3406 – Prime
23:56	00:00	Line change

GMT Midnight (24:00) Position / Heading:

POS: 23 11 57.159 N
123 10 01.198 E
HDG: 355 Deg
SMG: 5.0 Knots

Weather:

Winds: SE @ 7.4 Kts
Seas: 3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS Survey MGL0906_14. Source maintenance. Turn North onto and begin survey along MGL0906_15N. Finished survey on MGL0906_15N just before UTC midnight.

Tomorrow:

Turn and source maintenance, then continue MCS survey along MGL0906_19 Westward toward Taiwan coast. Turn at the coast and survey MGL0906_20 at OBS shot spacing.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 19 May 2009

1. STATISTICAL ANALYSIS

Line Charge Analysis

Sailed KM

05/19/2009

Prime Sail Line	175.150
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	175.150

Time Activity Analysis

05/19/2009

MCS Production	20:34
MCS Line Change	0:04
MCS Extended Line Change	1:48
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	1:38
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	01:27	Line change
01:27	03:05	Source maint.
03:05	23:08	MCS Survey MGL0906_19N FSP 898 – LSP 4331 – Prime
23:08	23:29	Line change
23:29	00:00	MCS Survey MGL0906_20 FSP 998 – LSP 1026 – Prime
		Midnight Shot Point: 1026 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS: 23 38 18741 N
121 39.37750 E
HDG: 121 Deg
SMG: 3.6 Knots

Weather:

Winds: SE @ 2 Kts
Seas: 3-5'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Source maintenance. MCS Survey along MGL0906_19. Turn at the coast and begin survey MGL0906_20 at OBS shot spacing.

Tomorrow:

MCS Survey along MGL0906_20.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 19 May 2009

1. STATISTICAL ANALYSIS

Line Charge Analysis

Sailed KM

05/20/2009

Prime Sail Line	185.125
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	185.125

Time Activity Analysis

05/20/2009

MCS Production	24:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	MCS Survey MGL0906_20 FSP 1027 – LSP 2508 – Prime Midnight Shot Point: 2508 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS:	23 07.29810 N 123 22.82192 E
HDG:	122 Deg
SMG:	4.6 Knots

Weather:

Winds:	N @ 20 Kts
Seas:	5-7'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

MCS survey MGL0906_20 at OBS shot spacing. Two FRC launches, 0130-0340 and 0530-0710, for streamer maintenance; removed tangled fishing gear.

Tomorrow:

Finish MCS survey along MGL0906_20, survey MGL0906_21, begin MGL0906_16.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 20 May 2009

1. STATISTICAL ANALYSIS

Line Charge Analysis

Sailed KM

05/20/2009

Prime Sail Line	185.125
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	185.125

Time Activity Analysis

05/20/2009

MCS Production	24:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source-only Production	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Power/Propulsion/Steering	0:00
Equipment Failure	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	MCS Survey MGL0906_20 FSP 1027 – LSP 2508 – Prime Midnight Shot Point: 2508 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS:	23 07.29810 N 123 22.82192 E
HDG:	122 Deg
SMG:	4.6 Knots

Weather:

Winds:	N @ 20 Kts
Seas:	5-7'

Comments

local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

MCS survey MGL0906_20 at OBS shot spacing. Two FRC launches, 0130-0340 and 0530-0710, for streamer maintenance; removed tangled fishing gear.

Tomorrow:

Finish MCS survey along MGL0906_20, survey MGL0906_21, begin MGL0906_16.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 21 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/21/2009

Prime Sail Line	0.000
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	0.000

Time Activity Analysis

05/21/2009

MCS Production	20:52
MCS Line Change	0:08
MCS Extended Line Change	3:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	24:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	04:50	MCS Survey MGL0906_20 FSP 2508 – LSP 2826
04:50	04:58	Line change
04:58	09:19	MCS Survey MGL0906_21 FSP 1031 – LSP 1703
09:19	12:19	Extended Line change / Source maint.
12:19	00:00	MCS Survey MGL0906_16 FSP 990 – LSP 1530

GMT Midnight (24:00) Position / Heading:

POS 22 43.34928 N
 123 0638108 E
HDG: 260 Deg
SPEED: 3.0 Knots

Weather:

Winds S @ 2.7 Kts
Seas 3'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Complete MCS survey MGL0906_20. MCS survey MGL0906_21. Extend line change for source maintenance, attempting to time coastal approach for daylight hours. Begin MCS survey MGL0906_16.

Tomorrow:

Continue MCS survey along MGL0906_20.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 22 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/22/2009

Prime Sail Line	155.625
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	0.000

Time Activity Analysis

05/22/2009

MCS Production	24:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	24:00	MCS Survey MGL0906_16 FSP 1531 – LSP 2776

GMT Midnight (24:00) Position / Heading:

POS	22 43.3477 N
	121 55.41522 E
HDG:	250 Deg
SPEED:	3.0 Knots

Weather:

Winds	S @ 6.7 Kts
Seas	3'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Continue MCS survey along MGL0906_16. FRC launched 0035z to clear fishing gear on streamer, recovered 0130z.

Tomorrow:

Continue MCS survey along MGL0906_16, turn at the coast and begin survey MGL0906_17 at 50m shot spacing.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 23 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/23/2009

Prime Sail Line	164.675
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	164.675

Time Activity Analysis

05/23/2009

MCS Production	23:44
MCS Line Change	0:16
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:23	MCS Survey MGL0906_16 FSP 2777 – LSP 3054
05:23	05:39	Turn/transition
05:39	00:00	MCS Survey MGL0906_17 FSP 1123 – LSP 3724
		Midnight Shot Point: 3724 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	22 43.4407 N
	122 31.5382 E
HDG:	100 Deg
SPEED:	4.2 Knots

Weather:

Winds	SE @ 7.2 Kts
Seas	3'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_16, 125m shot spacing. Turned at coast and Began MCS survey along MGL0906_17, 50m shot spacing. Source maintenance during the beginning of line 17 to repair an air leak on string 4.

Tomorrow:

Continue MCS survey along MGL0906_17. Turn North to survey MGL0906_18N.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 24 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/24/2009

Prime Sail Line 194.500

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 194.500

Time Activity Analysis

05/24/2009

MCS Production 23:25

MCS Line Change 0:35

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Fishing Traffic 0:00

Turn/Transition 0:00

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	08:02	MCS Survey MGL0906_17 FSP 3725 – LSP 5032
08:02	08:06	Turn/transition
08:06	22:53	MCS Survey MGL0906_18N FSP 1032 – LSP 3542
22:53	23:24	Turn/transition
23:24	00:00	MCS Survey MGL0906_18A FSP 1111 – LSP 1184
		Midnight Shot Point: 1184 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	23 51.2756 N
	123 14.5365 E
HDG:	123 Deg
SPEED:	4.2 Knots

Weather:

Winds	NE @ 16 Kts
Seas	3'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_17. Air leak String 4 toward end of line, recovered for maintenance. Surveyed MGL0906_18N. Began survey MGL0906_18A.

Tomorrow:

Complete MCS survey along MGL0906_18A. Survey line MGL0906_18B, begin survey MGL0906_22N.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 25 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/25/2009

Prime Sail Line	186.200
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	186.200

Time Activity Analysis

05/25/2009

MCS Production	22:33
MCS Line Change	0:35
MCS Extended Line Change	0:49
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:38
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	01:23	MCS Survey MGL0906_18A FSP 1185 – LSP 1400
01:23	01:27	Turn/transition
01:27	02:46	MCS Survey MGL0906_18B FSP 1011 – LSP 1241
02:46	03:31	Turn/transition / Source maintenance
03:31	03:51	Compressor maintenance
03:51	11:39	MCS Survey MGL0906_22N FSP 1104 – LSP 2542
11:39	11:57	Compressor failure
11:57	24:00	MCS Survey MGL0906_22N FSP 2592 – LSP 4433
		Midnight Shot Point: 4433 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 24 24.5243 N
 121 52.7018 E
HDG: 304 Deg
SPEED: 3.9 Knots

Weather:

Winds E @ 10 Kts
Seas 6'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_18A. Surveyed MGL0906_18B. Source maintenance and compressor maintenance during turn on to MGL0906_22N. Survey MGL0906_22N. Compressor failure on line. Compressor restored, ramped up and continued survey.

Tomorrow:

Complete MCS survey along MGL0906_22N. Begin survey line MGL0906_23.



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 26 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/26/2009

Prime Sail Line	174.225
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	174.225

Time Activity Analysis

05/26/2009

MCS Production	22:08
MCS Line Change	0:36
MCS Extended Line Change	0:34
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:08
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:34
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:23	MCS Survey MGL0906_22N FSP 4434 – LSP 4521 – Prime
00:23	00:59	Turn/transition
00:59	01:33	Source maint.
01:33	02:07	Mitigation
02:07	12:03	MCS Survey MGL0906_23 FSP 1073 – LSP 1645 – Prime
12:03	12:11	Compressor failure
12:11	00:00	MCS Survey MGL0906_23 FSP 1645 – LSP 2432 – Prime
		Midnight Shot Point: 2432 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 23 36.9131 N
 123 21.2956 E
HDG: 104 Deg
SPEED: 5.0 Knots

Weather:

Winds E @ 20 Kts
Seas 6'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_22N. Turned toward MGL0906_23. Source maintenance during turn. Dolphins sighted at end of turn requiring power down. Ramp up and begin survey line MGL0906_23.

Tomorrow:

Complete MCS survey along MGL0906_23. Begin survey line MGL0906_24.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 27 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/27/2009

Prime Sail Line	143.750
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	143.750

Time Activity Analysis

05/27/2009

MCS Production	21:07
MCS Line Change	0:00
MCS Extended Line Change	2:53
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:08
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:41	MCS Survey MGL0906_23 FSP 2433 – LSP 2808 – Prime
05:41	08:34	Extended Line change / Source maint.
08:34	00:00	MCS Survey MGL0906_24 FSP 0942 – LSP 3442 – Prime
		Midnight Shot Point: 3442 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	22 17.8131 N
	123 44.9995 E
HDG:	181 Deg
SPEED:	5.0 Knots

Weather:

Winds	NE @ 5 Kts
Seas	5'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_23. Outside and extended turn for source maintenance. Began survey line MGL0906_24.

Tomorrow:

Complete MCS survey along MGL0906_24. Possible streamer maintenance. Begin survey line MGL0906_25.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 27 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/27/2009

Prime Sail Line 143.750

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 143.750

Time Activity Analysis

05/27/2009

MCS Production 21:07

MCS Line Change 0:00

MCS Extended Line Change 2:53

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Fishing Traffic 0:00

Turn/Transition 0:00

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:41	MCS Survey MGL0906_23 FSP 2433 – LSP 2808 – Prime
05:41	08:34	Extended Line change / Source maint.
08:34	00:00	MCS Survey MGL0906_24 FSP 0942 – LSP 3442 – Prime
		Midnight Shot Point: 3442 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	22 17.8131 N
	123 44.9995 E
HDG:	181 Deg
SPEED:	5.0 Knots

Weather:

Winds	NE @ 5 Kts
Seas	5'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_23. Outside and extended turn for source maintenance. Began survey line MGL0906_24.

Tomorrow:

Complete MCS survey along MGL0906_24. Possible streamer maintenance. Begin survey line MGL0906_25.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 28 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/28/2009

Prime Sail Line 206.800

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 206.800

Time Activity Analysis

05/28/2009

MCS Production 23:36

MCS Line Change 0:24

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Fishing Traffic 0:00

Turn/Transition 0:00

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	11:06	MCS Survey MGL0906_24 FSP 3443 – LSP 5546 – Prime
11:06	11:30	Line change
11:30	00:00	MCS Survey MGL0906_25 FSP 1102 – LSP 3133 – Prime
		Midnight Shot Point: 3133 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	21 46.3174 N
	122 50.0621 E
HDG:	303 Deg
SPEED:	4.9 Knots

Weather:

Winds	NE @ 22 Kts
Seas	7'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_24. Source maintenance during turn and into start of line.. Began survey line MGL0906_25.

Tomorrow:

Complete MCS survey along MGL0906_25. Possible streamer maintenance. Begin survey line MGL0906_26.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 29 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/29/2009

Prime Sail Line	119.250
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	119.250

Time Activity Analysis

05/29/2009

MCS Production	22:42
MCS Line Change	0:12
MCS Extended Line Change	0:00
Streamer Maintenance	0:22
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:44
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	10:37	MCS Survey MGL0906_25 FSP 3134 – LSP 5065 – Prime
10:37	10:49	Line change
10:49	22:54	MCS Survey MGL0906_26 FSP 1141 – LSP 2730 – Prime
22:54	23:38	Turn/transition – Evaluate new heading for FRC operations
23:38	00:00	Source recovery – Prepare for streamer maintenance

GMT Midnight (24:00) Position / Heading:

POS 23 18.7812 N
 121 58.1936 E
HDG: 177 Deg
SPEED: 10 Knots

Weather:

Winds NE @ 22 Kts
Seas 7'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_25. Snagged fishing gear near bird 16 at 0256z. Bird 16 rose to 3m depth. Swells prevented FRC ops to remove gear. Continued line. Began survey line MGL0906_26. Source string 2 maintenance began online at 2158z. Unimproved streamer trim or sea state and impending survey lines close to shore prompted us to end line early at 2254z and maneuver to evaluate FRC launch options. Finding no acceptable options for FRC launch, the decision was made to recover the streamer for fishing gear removal. Began source recovery 2338z.

Tomorrow:

Continue recovering streamer for fishing gear removal. Redeploy streamer and source, continue MCS survey along MGL0906_25 (as 25A).

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 30 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/30/2009

Prime Sail Line 110.200

Infill Sail Line 9.650

Reshoot Sail Line 0.000

Total: 119.850

Time Activity Analysis

05/30/2009

MCS Production 11:46

MCS Line Change 0:00

MCS Extended Line Change 0:00

Streamer Maintenance 11:22

Streamer Recovery 0:00

Streamer Deployment 0:00

Source Maintenance 0:36

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Fishing Traffic 0:00

Turn/Transition 0:06

IHA/MMO Mitigation 0:10

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:26	Source recovery – Prepare for streamer maintenance
00:26	05:56	Streamer recovery/maintenance to B18
05:56	09:45	Streamer deploy
09:45	10:10	Source deploy – After streamer maintenance
10:10	10:42	Source deploy – Begin Ramp-up
10:42	11:22	Source deploy – Begin turn toward line
11:22	11:58	Source maintenance, String 2
11:58	12:08	Finish ramp-up
12:08	12:14	Turn/transition
12:14	13:19	MCS Survey MGL0906_26A FSP 3190 – LSP 3383 – Infill
13:19	00:00	MCS Survey MGL0906_26A FSP 3384 – LSP 5588 – Prime
		Midnight Shot Point: 5588 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 24 14.2887 N
 122 00.0062 E
HDG: 348 Deg
SPEED: 5.2 Knots

Weather:

Winds NE @ 14 Kts
Seas 7'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed source recovery at 0026z and began recovering streamer. Streamer was fouled with much fishing line and fishing gear. Just behind bird B18 we discovered a radio beacon and more tangled fishing line, which was the likely cause of B18 being unable to maintain depth. Removed beacon and other floats and reversed direction at 0556z. Deployed streamer, put head float on and placed streamer in position at 0945z. Deployed source, turned on to line, and continued production at 1212z.



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Gear removed from streamer:

Fishing line 73.75 Kg

Lanyards/clips/hooks 8.0 Kg

Floats 2.5 Kg

Other (radio beacon) 26.25 Kg

Total 110.5 Kg

Tomorrow:

Complete MCS survey along MGL0906_26A. MCS survey along MGL0906_27, MGL0906_28, MGL0906_29. Begin MCS survey along MGL0906_30.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 31 May 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

05/31/2009

Prime Sail Line	111.250
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	111.250

Time Activity Analysis

05/31/2009

MCS Production	20:00
MCS Line Change	1:25
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Propulsion/Power Failure	2:35
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:14	MCS Survey MGL0906_26A FSP 5589 – LSP 5617 – Prime
00:14	00:35	Line change
00:35	03:03	MCS Survey MGL0906_27 FSP 987 – LSP 1355 – Prime
03:03	03:17	Line change
03:17	09:08	MCS Survey MGL0906_28 FSP 939 – LSP 1877 – Prime
09:08	09:22	Line change
09:22	10:37	MCS Survey MGL0906_29 FSP 952 – LSP 1144 – Prime
10:37	11:13	Line change
11:13	18:54	MCS Survey MGL0906_30 FSP 951 – LSP 1650 – Prime
18:54	19:07	Vessel lost power
19:07	19:24	Vessel lost propulsion – Maggie and PAM recovered
19:24	19:46	Vessel power and propulsion restored
19:46	20:23	All gear in position, streamer at 9m depth
20:23	21:29	Begin Ramp-up
21:29	00:00	MCS Survey MGL0906_30A FSP 1739 – LSP 1980 – Prime
		Midnight Shot Point: 5588 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS 23 35.4817 N
 122 20.0045 E
HDG: 190 Deg
SPEED: 2.8Knots

Weather:

Winds NE @ 14 Kts
Seas 8'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Summary:

Completed MCS survey along MGL0906_26A. MCS survey along MGL0906_27, MGL0906_28, MGL0906_29. Began MCS survey along MGL0906_30. Ship lost power at 1854z. Propulsion lost at 1907z. Very calm seas; streamer and source came together as lead-in sank, but no tangles. Deepest bird, B6, went to 38m. Maggie and PAM recovered. Power and propulsion restored at 1924z, bridge brought ship up to 3 knots. All gear clear.

One gun set to 60 second cycle during power failure. Began ramp-up once gear was checked out, and we were back on line and in production at 2129, MGL0906_30A. Strong currents keeping ground speed down to 2.5-3.5 knots.

Tomorrow:

Continue MCS survey along MGL0906_30A.

June 3:

Recover source/streamer.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 01 Jun 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

06/01/2009

Prime Sail Line 151.950

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 151.950

Time Activity Analysis

06/01/2009

MCS Production 23:46

MCS Line Change 0:14

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 0:00

Streamer Deployment 0:00

Source Maintenance 0:00

Source Recovery 0:00

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:00

Seismic Air Compressor 0:00

Hydraulic System 0:00

Fishing Traffic 0:00

Turn/Transition 0:00

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 0:00

Port Call 0:00

Weather/Currents 0:00

Propulsion/Power Failure 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	19:54	MCS Survey MGL0906_30A FSP 1981 – LSP 4515 – Prime
19:54	20:08	Line change
20:08	00:00	MCS Survey MGL0906_30N FSP 1050 – LSP 1555 – Prime
		Midnight Shot Point: 1555 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	22 14.5994 N
	122 10.9104 E
HDG:	210 Deg
SPEED:	3.1 Knots

Weather:

Winds	NE @ 8.8 Kts
Seas	3-5'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_30A. New waypoints received, cutting corner to MGL0906_31 via MGL0906_30N. MCS survey along MGL0906_30N.

Tomorrow:

Continue MCS survey along MGL0906_30N. MCS survey along MGL0906_31N.

June 3:

Recover source/streamer.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 02 Jun 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

06/02/2009

Prime Sail Line	163.850
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	163.850

Time Activity Analysis

06/02/2009

MCS Production	23:58
MCS Line Change	0:02
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Propulsion/Power Failure	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	10:39	MCS Survey MGL0906_30N FSP 1556 – LSP 3102 – Prime
10:39	10:41	Line change
10:41	00:00	MCS Survey MGL0906_31N FSP 1018 – LSP 2749 – Prime
		Midnight Shot Point: 2749 – Line continued into new day

GMT Midnight (24:00) Position / Heading:

POS	21 40.3016 N
	120 55.0845 E
HDG:	247 Deg
SPEED:	31.9 Knots

Weather:

Winds	NE @ 8.8 Kts
Seas	3-5'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Completed MCS survey along MGL0906_30N. Began MCS survey along MGL0906_31N.

Tomorrow:

Continue MCS survey along MGL0906_31N. Begin recovery of all gear at ~0500z. Once gear is recovered, head for port.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 03 Jun 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

06/03/2009

Prime Sail Line	22.000
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	22.000

Time Activity Analysis

06/03/2009

MCS Production	5:57
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	4:52
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:28
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:18
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:00
Port Call	0:00
Weather/Currents	0:00
Propulsion/Power Failure	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:39	MCS Survey MGL0906_30N FSP 2750 – LSP 3190 – Prime
05:39	06:07	Source recovery
06:07	06:25	PAM recovery
06:25	11:17	Streamer recovery
11:17	23:42	Transit to port
23:42	00:00	Arrival Kaohsiung

GMT Midnight (24:00) Position / Heading:

POS 022 37.0523 N
 120 13.2356 E
HDG: 90 Deg
SPEED: 2.4 Knots

Weather:

Winds NE @ 14 Kts
Seas 2'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Begin recovery of gear ~0500. End survey MGL0906_31N at 0539. Source, streamer on board at 11:17.
Head to port, Kaohsiung, Taiwan.

Tomorrow:

Make mast to pier, port call.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 03 Jun 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

06/03/2009

Prime Sail Line 22.000

Infill Sail Line 0.000

Reshoot Sail Line 0.000

Total: 22.000

Time Activity Analysis

06/03/2009

MCS Production 5:57

MCS Line Change 0:00

MCS Extended Line Change 0:00

Streamer Maintenance 0:00

Streamer Recovery 4:52

Streamer Deployment 0:00

Source Maintenance 0:00

Source Recovery 0:28

Source Deploy 0:00

PAM Deploy 0:00

PAM Recovery 0:18

Seismic Air Compressor 0:00

Hydraulic System 0:00

Fishing Traffic 0:00

Turn/Transition 0:00

IHA/MMO Mitigation 0:00

Magnetometer Survey 0:00

Multibeam survey 0:00

Transit/Mob/Demob 12:43

Port Call 0:00

Weather/Currents 0:00

Propulsion/Power Failure 0:00

Total: 24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	05:39	MCS Survey MGL0906_30N FSP 2750 – LSP 3190 – Prime
05:39	06:07	Source recovery
06:07	06:25	PAM recovery
06:25	11:17	Streamer recovery
11:17	23:42	Transit to port
23:42	00:00	Arrival Kaohsiung

GMT Midnight (24:00) Position / Heading:

POS 022 37.0523 N
 120 13.2356 E
HDG: 90 Deg
SPEED: 2.4 Knots

Weather:

Winds NE @ 14 Kts
Seas 2'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Martello, Ng, Grallert, Goodick, Cucchiara, Harpour, Ruttan

Science party currently on board:

McIntosh, Liu, Chang, Chen, Chi, Chiou, Hsu, Hung, Ko, Lester, Matsumoto, Tsai, Tu, Yan

Mammal observers currently on board vessel:

Dawe, Hurley, Holst, Fossati, Yu

Daily Summary:

Begin recovery of gear ~0500. End survey MGL0906_31N at 0539. Source, streamer on board at 11:17.
Head to port, Kaohsiung, Taiwan.

Tomorrow:

Make mast to pier, port call.

Anthony Johnson



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

Daily Report for 04 Jun 2009

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed KM

06/04/2009

Prime Sail Line	0.000
Infill Sail Line	0.000
Reshoot Sail Line	0.000
Total:	0.000

Time Activity Analysis

06/04/2009

MCS Production	0:00
MCS Line Change	0:00
MCS Extended Line Change	0:00
Streamer Maintenance	0:00
Streamer Recovery	0:00
Streamer Deployment	0:00
Source Maintenance	0:00
Source Recovery	0:00
Source Deploy	0:00
PAM Deploy	0:00
PAM Recovery	0:00
Seismic Air Compressor	0:00
Hydraulic System	0:00
Fishing Traffic	0:00
Turn/Transition	0:00
IHA/MMO Mitigation	0:00
Magnetometer Survey	0:00
Multibeam survey	0:00
Transit/Mob/Demob	0:56
Port Call	23:04
Weather/Currents	0:00
Propulsion/Power Failure	0:00
Total:	24:00



Taiger Leg #2

MGL0906

R/V Marcus G. Langseth

To: Office of Marine Operations

Cc: Reports Group

Fm: Anthony Johnson – Technician in Charge (LDEO)

2. TIME SUMMARY

Start	End	Description/Comments
00:00	00:56	Transit to port
00:56	24:00	Pier side Kaohsiung

GMT Midnight (24:00) Position / Heading:

POS	22 36.8162 N
	120 17.2400 E
HDG:	297 Deg
SPEED:	0 Knots

Weather:

Winds	E @ 7 Kts
Seas	0'

Comments local time is UTC+8

Science technical staff currently on board:

Johnson, Spoto, McKiernan, Koczynski, Ng

Science party currently on board:

None.

Mammal observers currently on board vessel:

None.

Shipments received:

SCI09-006, SCI09-032, SCI09-089, SCI09-093, SCI09-0100, SCI09-101, SCI09-104
2 x JDR gun umbilical

Daily Summary:

All fast Kaohsiung at 0056Z. Received freight. Tech staff, MMO's, science party depart ~1400L. Gravity tie completed. Data package assembled.

Tomorrow:

Receive LDEO OBS group shipment. LDEO techs will visit and prepare equipment for departure.

Anthony Johnson