

APPENDIX 1: LDEO Tech-in-Charge Daily Reports

Daily Report for 11 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/11/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/11/2008

Recording	0.00
Line Change	0.00
Maneuvering	0:00
Weather	0:00
Fishing Interferences	0:00
Instrument	0:00
Hydraulics	0:00
Source	0.00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	24:00
Mobilization	0.00
Streamer Control	0.00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	24:00	Transit to Prospect Area.

UTC Midnight (24:00) Position / Heading:

Pos 49 42.60234 N
128 35.41586 W
HDG: 318 Deg
SPEED: 9.9 Kts

Weather:

Winds: WNW @ 10-15 kts..
Seas 4-6 ft

Comments: Local time is UTC-7.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Robert Steinhaus
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

We Continued Transiting towards prospect. We are continuing to work on Equipment and Towed Gear that needs to be made ready before we can start deployment of the streamer equipment. We have also been helping the OBS Tech get the data inputs they need up to the Dry Lab from the Main Lab.

Tomorrow:

We will continue the transit to the prospect area, continuing working on equipment and task that need to be completed before deployment of the gear can start

Daily Report for 12 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/12/2008
Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/12/2008

Recording	0.00
Line Change	0.00
Maneuvering	0:00
Weather	0:00
Fishing Interferences	0:00
Instrument	0:00
Hydraulics	0:00
Source	0.00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	24:00
Mobilization	0.00
Streamer Control	0.00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	24:00	Transit to Prospect Area.

UTC Midnight (24:00) Position / Heading:

Pos 52 51.056 N
132 36.669 W
HDG: 328 Deg
SPEED: 10 Kts

Weather:

Winds: Light & Variable
Seas 1-3 ft

Comments: Local time is UTC-7.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Robert Steinhaus
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)

5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

We Continued Transiting towards prospect. We are continuing to work on Equipment and Towed Gear that needs to be made ready before we can start deployment of the streamer equipment. We have also been helping the OBS Tech get the data inputs they need up to the Dry Lab from the Main Lab.

Tomorrow:

We will continue the transit to the prospect area, continuing working on equipment and task that need to be completed before deployment of the gear can start. We will also make a close pass to Sitka, Alaska to Evac Robert Steinhaus (myself) due to so I can make my way back to Texas to survey the damage caused by hurricane Ike land fall near my home and make any repairs needed.

Daily Report for 14 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/14/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/14/2008

Recording	0.00
Line Change	0.00
Maneuvering	0:00
Weather	0:00
Fishing Interferences	0:00
Instrument	0:00
Hydraulics	0:00
Source	0.00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	12:50
Mobilization	0.00
Streamer Control	0.00

Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS deployments	11:50
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	12:30	Transit to Prospect Area
12:30	13:20	Prepare for OBS deployment 125
13:20	13:21	deployment OBS125
13:21	14:45	Transit/preparing for OBS124
14:45	14:46	Deploy OBS0124
14:46	15:50	Transit/preparing for OBS123
15:50	15:51	Deploy OBS123
15:51	16:59	Transit/preparing for OBS122
16:59	17:00	Deploy OBS0122
17:00	18:05	Transit/preparing for OBS121
18:05	18:06	Deploy OBS0121
18:06	19:10	Transit/preparing for OBS120
19:10	19:11	Deploy OBS0120
19:11	20:35	Transit/preparing for OBS119
20:35	20:36	Deploy OBS0119
20:36	21:33	Transit/preparing for OBS118
21:33	21:34	Deploy OBS0118
21:34	22:43	Transit/preparing for OBS117
22:43	22:44	Deploy OBS0117
22:44	23:43	Transit/preparing for OBS116
23:43	23:44	Deploy OBS0116
23:44	24:00	Transit/preparing for OBS115

UTC Midnight (24:00) Position / Heading:

Pos 58 56.0169 N
139 57.8967 W
HDG: 308 Deg
SPEED: 10 Kts

Weather:

Winds: Breezy raining
Seas 4-6 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Began deploying OBS instruments at 1320 UTC we have 10 instruments deployed by 2343 UTC Anemeter failure makes it difficult to predict lee of vessel for personnel working on deck. Science team investigating second wind bird on forward mast as a replacement input.

Tomorrow:

We will continue deploying OBS instruments to the end of STEEP01 then begin our deploying of the streamer by mid morning to late afternoon.

Daily Report for 15 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/15/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/15/2008

Recording	0.00
Line Change	0.00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0.00
Streamer	10.26
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00

Transit	0:00
Mobilization	0.00
Streamer Control	0.00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS Deployment	13:34
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:47	Transit/preparing for OBS115
00:47	00:48	Deploy OBS0115
00:48	01:42	Transit/preparing for OBS114
01:42	01:43	Deploy OBS0114
01:43	02:34	Transit/preparing for OBS113
02:34	02:35	Deploy OBS0113
02:35	03:39	Transit/preparing for OBS112
03:39	03:40	Deploy OBS0112
03:40	04:32	Transit/preparing for OBS111
04:32	04:33	Deploy OBS0111
04:33	05:32	Transit/preparing for OBS110
05:32	05:33	Deploy OBS110
05:33	06:23	Transit/preparing for OBS109
06:23	06:24	Deploy OBS0109
06:24	07:22	Transit/preparing for OBS108
07:22	07:23	Deploy OBS0108
07:23	08:15	Transit/preparing for OBS107
08:15	08:16	Deploy OBS0107
08:16	09:14	Transit/preparing for OBS106
09:14	09:15	Deploy OBS0106
09:15	10:08	Transit/preparing for OBS105
10:08	10:09	Deploy OBS0104
10:09	11:00	Transit/preparing for OBS104
11:00	11:01	Deploy OBS0104
11:01	11:50	Transit/preparing for OBS103
11:50	11:51	Deploy OBS0103
11:51	12:39	Transit/preparing for OBS102
12:39	12:40	Deploy OBS0102
12:40	13:34	Transit/preparing for OBS101
13:34	13:35	deploy OBS101
13:35	14:26	transit to streamer deployment area
14:26	24:00	deployment of streemer.

UTC Midnight (24:00) Position / Heading:

Pos 59 47.064 N
142 57.058 W
HDG: 175 Deg
SPEED: 4.0 Kts

Weather:

Winds: Breezy raining
Seas 4-6 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

We completed OBS deployments by 0530 Local. The tail buoy was deployed at 0630 local and 8K of streamer took until 2015 local to complete. This prevented us from getting the source deployed to begin shooting before sunset. Weather reports indicate a low is moving in with sea state at 3-4 meters and winds at 20 kts gusting to 50 kts.
Tomorrow:

We plan on having the guns out and properly placed prior to sunrise for the MMO to complete a visual surveillance so we can begin our survey of STEEP09. I have allocated a few hours to getting the wind speed indicator displayed to the bridge.

Daily Report for 16 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/16/2008
Prime	43.2500
Infill	0.0000
Reshoot	0.0000
Total:	43.2500

Time Activity Analysis

09/16/2008

Recording	4.46
Line Change	0:00
Maneuvering	4.44
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	2.30
Streamer	9.46
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS Deployment	2.14

Total: 24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	02:14	Continue Streamer deployment
02:14	12:00	Streamer deployed/maneuvering
12:00	14:30	deploying guns
14:30	19:14	guns deployed maneuvering towards line
19:14	00:00	Line STEEP09 FSP711 MSP1576 Line continues on new day.

UTC Midnight (24:00) Position / Heading:

Pos 59 47.064 N
142 57.058 W
HDG: 175 Deg
SPEED: 4.0 Kts

Weather:

Winds: Breezy raining
Seas 4-6 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Deployed source with some wrangling with moving the yale grip on the streamer another 50 meters and then placing the guns in the correct position guns all in place at 1753 UTC
First shot fired at 1845 UTC. Mammal sighting at 1936 UTC powered down for dolphin
Ramp up began 1954 no more MMO sightings.

Tomorrow:

Continue shooting line STEEP09 then go to STEEP 13. Investigated Wind speed indicator and have a plan to get the second wind bird to the bridge.

Daily Report for 17 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/17/2008
Prime	188.8000
Infill	0.0000
Reshoot	0.0000
Total:	188.8000

Time Activity Analysis

	09/17/2008
Recording	23.04
Line Change	0:56
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00

Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:00	First shot of day 1577 STEEP09
00:00	06:04	EOL of STEEP09 LSP 2510
06:04	06:49	Line Change to Start of Line STEEP15 FSP 996
06:49	10:04	EOL of STEEP15 LSP1585
10:04	10:16	Line Change to Start of line STEEP13 FSP 1007
10:16	24:00	STEEP 13 continues to new day MSP3261.

UTC Midnight (24:00) Position / Heading:

Pos 59 22 13857 N
143 04 00672 W
HDG: 348 Deg
SPEED: 4.0 Kts

Weather:

Winds: Breezy raining
Seas 4-6 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Good day of recording seismic data. Completed STEEP09/STEEL15 and most of STEEP13

Tomorrow:
Finish STEEP13 maneuver for STEEP07

Daily Report for 18 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/18/2008

Prime	118.7500
Infill	0.0000
Reshoot	0.0000
Total:	118.7500

Time Activity Analysis

09/18/2008

Recording	15.55
Line Change	4:05
Maneuvering	0:00
Weather	4:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:00	MSP 3261 STEEP13
00:00	02:53	EOL of STEEP13 LSP 3727
02:53	06:52	Maneuver to STEEP07 FSP 921
06:52	19:54	EOL STEEP07 LSP2830
19:54	24:00	Maneuver for re-shoot of STEEP07 due to weather.

UTC Midnight (24:00) Position / Heading:

Pos 58 51.695 N
144 26.826 W
HDG: 191 Deg
SPEED: 4.0 Kts

Weather:

Winds: 33 KTS raining
Seas 9-12 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Completed STEEP13 line change to STEEP07. String 2 gun 1 developed a leak made repairs during line change. Weather picked up significantly causing Maggie and PAM to entangle in gun umbilical. Was able to recover Maggie but PAM is currently powered down and is most likely damaged and is still deployed. Maggie was stowed back onboard till weather clears. Very difficult day trying to get the streamer to maintain depth tried a reshoot of line STEEP07 to no avail.

Tomorrow:

Finish STEEP07B hopefully weather will improve as forecast and perform gun maintenance while making transit to STEEP01.

Daily Report for 19 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/19/2008
Prime	84.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/19/2008

Recording	18.05
Line Change	1:10
Maneuvering	0:00
Weather	4:45
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:04	Continued maneuver from previous day
00:04	00:19	SOL STEEP07A FSP 2690
00:19	00:19	EOL STEEP07A due to weather LSP2776
00:19	05:04	Continued on STEEP07 but unable to record due to weather
05:04	05:05	SOL STEEP07B FSP 3338
05:05	10:22	EOL STEEP07B LSP 3990
10:22	11:43	Transit to STEEP16
11:43	11:44	SOL STEEP16 FSP 1042
11:44	18:47	EOL STEEP16 LSP 1644
18:47	20:30	Line change for STEEP19
20:30	20:31	SOL STEEP19 FSP 990
20:31	21:47	EOL STEEP19 LSP 1088
21:47	21:48	SOL STEEP18 FSP 995
21:48	24:00	Continue line to new day MSP1237.

UTC Midnight (24:00) Position / Heading:

Pos 58 59 16 18220 N
143 31 70781 W
HDG: 74Deg
SPEED: 4.0 Kts

Weather:

Winds: 33 KTS raining
Seas 9-12 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

STEEP07 was difficult at best with very little actually shot well due to sea state until 1400 UTC when we finally were able to get the streamer back down to 12m. Gun string 2 needed repairs and was retrieved. PAM was recovered as well with no damage to PAM streamer only to the towed cable. Deployed guns and all seem to be working well 6600 cubic inch volume completed STEEP19 and STEEP18.

Tomorrow: (at the time of this report we are on STEEP01)

Online to STEEP01 weather looks good seas are calm tension is running high at 3800-4100 lbs so our speed is slower 3.0kts over ground this puts us to a 60 hour line. Hopefully we will move out of this current and be able to speed up.

Daily Report for 20 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/20/2008

Prime	149.500
Infill	0.0000
Reshoot	0.0000
Total:	149.500

Time Activity Analysis

09/20/2008

Recording	20.00
Line Change	0:45
Maneuvering	0:00
Weather	0:00

Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	3:15
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	02:05	Continued line from previous day MSP 1237 EOL STEEP18 SP 1484
02:05	02:46	Maneuver for STEEP01
02:46	02:46	SOL STEEP01 FSP 1031
02:46	17:35	STEEP01 Compressor failure SP 2966
17:35	20:24	Compressor repairs
20:24	20:54	Air pressure returns ramp up guns
20:54	24:00	STEEP01 FSP 3448 continues to new day MSP 3956

UTC Midnight (24:00) Position / Heading:

Pos 59 58.302 N
143 10.808 W
HDG: 67Deg
SPEED: 4.0 Kts

Weather:

Winds: 12 KTS
Seas 3-9 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto

Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Continued shooting STEEP01. Had 1 mammal mitigation a dolphin only shut down for 7 minutes. We also lost compressor twice today the first failure was for 21 minutes. Second failure was for long enough to stop recording the line but continued along STEEP01. We did hit a current for a few hours and were at 5.0KTS speed over ground.

Tomorrow:

Continue STEEP01 expect to complete line by 4:00 local and recover guns strings and streamer to begin deploying OBS instruments on STEEP02.

Daily Report for 21 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/21/2008
Prime	190.500
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

	09/21/2008
Recording	22.22
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	1.05
Streamer	0.38
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00

Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
	Total: 24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:00	MSP 3956
00:00	22:22	EOL STEEP01 LSP 7766
22:22	22:43	Prepare for Gun retrieval
22:43	23:27	guns recovered
23:27	24:00	Recover Streamer

UTC Midnight (24:00) Position / Heading:

Pos 59 16.075 N
 140 49.454 W
 HDG: 132 Deg
 SPEED: 4.0 Kts

Weather:

Winds: calm
 Seas 1-3 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
 Jenny White
 Robbie Gunn
 Ryan Eaton
 Mike Tatro
 David Martinson (NCS SubSea)
 5 MMO's
 11 Science Party
 Bern McKiernan
 Michael Zang

Daily Summary:

Continued STEEP01 weather was calm had some gun issues resolved air leak strings 3 and 4. Toward the end of the line MMO sighting required a shutdown. The marine mammal continued to stay in the area so we ended the line early and began the retrieval of the gun strings followed by the 8K streamer

Tomorrow:

Recover the remaining streamer and transit to the first OBS to begin recovering them.

Daily Report for 22 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/23/2008

Prime	00.000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/23/2008

Recording	0.00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	4:51
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	9:56
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	10:17
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:42	recovering streamer head float
00:42	00:52	recovery of stretch section
00:52	04:51	Tail buoy secured
04:51	06:37	Transit to OBS125 site
06:37	06:45	OBS release sent
06:45	06:51	OBS recovered
06:51	07:46	Transit to OBS124 site

07:46	07:54	OBS release sent
07:54	08:07	OBS recovered
08:07	09:14	Transit to site OBS123
09:14	09:16	OBS release sent
09:16	09:27	OBS recovered
09:27	10:25	Transit to OBS122 site
10:25	11:28	OBS release sent no response abandoned
11:28	12:21	Transit to OBS121 site
12:21	13:39	OBS release sent no response abandoned
13:39	14:38	Transit to OBS120 site
14:38	14:55	OBS release sent
14:55	15:06	OBS recovered
15:06	15:59	Transit to OBS 119 site
15:59	16:08	OBS release sent
16:08	16:17	OBS recovered
16:17	17:11	transit to OBS 118 site
17:11	17:20	OBS release sent
17:20	17:30	OBS recovered
17:30	18:25	Transit to OBS117 site
18:25	18:33	OBS release sent
18:33	18:39	OBS recovered
18:39	19:31	Transit to OBS116 site
19:31	19:38	OBS release sent
19:38	19:47	OBS recovered
19:47	20:46	Transit to OBS115 site
20:46	20:51	OBS release sent
20:51	21:02	OBS recovered
21:02	21:58	Transit to OBS114 site
21:58	22:05	OBS release sent
22:05	22:19	OBS recovered
22:19	23:19	transit to OBS113 site
23:19	23:23	OBS release sent
23:23	23:31	OBS recovered
23:31	24:00	Transit to OBS112 site

UTC Midnight (24:00) Position / Heading:

Pos 59 08.584 N

140 30.586

HDG: 132 Deg

SPEED: 10 KTS

Weather:

Winds: calm

Seas 1-3 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto

Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:
Perfect weather conditions for recovery of OBS
Tomorrow:
Recover remainder of OBS

Daily Report for 23 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/23/2008
Prime	00.000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

	09/23/2008
Recording	0.00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	18:00
Hydraulics	0:00
Source	0:00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	6:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00

Work Boat Ops 0:00
 Ship Traffic 0:00
 Total: 24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:32	Transit to OBS112 site
00:32	01:19	OBS112 release sent/abandoned
01:19	02:44	OBS112 radio signal received/recovered
02:44	03:13	Transit to OBS111 site
03:13	03:23	OBS Release sent
03:23	03:43	OBS111 recovered
03:43	04:38	Transit to OBS110 site
04:38	04:49	Release sent
04:49	05:04	OBS110 recovered
05:04	06:00	Transit to OBS109
06:00	06:08	Release sent
06:08	06:15	OBS109 recovered
06:15	07:06	Transit to OBS 108 site
07:06	08:33	Release sent abandoned
08:33	09:27	Transit to OBS 107
09:27	09:36	Release sent
09:36	09:44	OBS107 recovered
09:44	10:37	Transit to OBS106
10:37	10:45	Release sent
10:45	11:00	OBS106 recovered
11:00	11:49	Transit to OBS105
11:49	11:56	Release sent
11:56	12:11	OBS105 recovered
12:11	12:59	Transit to OBS104
12:59	13:15	Release sent
13:15	13:44	OBS104 recovered
13:44	14:28	Transit to OBS103
14:28	14:52	Release sent
14:52	15:17	OBS103 recovered
15:17	16:03	Transit to OBS102
16:03	16:53	OBS102 release sent/abandoned
16:53	17:35	Transit to OBS101
17:35	17:47	Release sent
17:47	17:56	OBS101 recovered
17:56	18:21	XBT Launch
18:21	24:00	Transit to STEEP02.

UTC Midnight (24:00) Position / Heading:

Pos 59 08.584 N

140 30.586

HDG: 132 Deg

SPEED: 10 KTS

Weather:

Winds: calm
Seas 1-3 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Perfect weather conditions, Recovered remainder of OBS instruments total no recovery is 4. Transit to STEEP02.

Tomorrow:

Complete transit ETA to start of line is 2200 Local. Begin OBS for STEEP02

Daily Report for 24 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

	09/24/2008
Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

	09/24/2008
Recording	0.00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00

Transit	5:56
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS deployment`	18:04
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	05:56	Transit to STEEP02
05:56	05:57	OBS218 deployed
05:57	06:16	XBT Launch
06:15	07:01	Transit to OBS217
07:01	07:02	OBS217 deployed
07:02	07:53	Transit to OBS216
07:53	07:54	OBS216 deployed
07:54	08:50	Transit to OBS215
08:50	08:51	OBS215 deployed
08:51	09:49	Transit to OBS214
09:49	09:50	OBS214 Deployed
09:50	10:46	Transit to OBS213
10:46	10:47	OBS213 deployed
10:47	11:42	Transit to OBS212
11:42	11:43	OBS212 deployed
11:43	12:45	Transit to OBS211
12:45	12:46	OBS211 deployed
12:46	14:20	transit to OBS210
14:20	14:21	OBS210 deployed
14:21	15:22	Transit to OBS209
15:22	15:23	OBS209 deployed
15:23	16:17	Transit to OBS208
16:17	16:18	OBS208 deployed
16:18	17:14	Transit to OBS207
17:14	17:15	OBS207 deployed
17:15	18:23	Transit to OBS206
18:23	18:24	OBS206 deployed
18:24	19:20	Transit to OBS205
19:20	19:21	OBS205 deployed
19:21	20:15	Transit to OBS204
20:15	20:16	OBS204 deployed
20:16	20:21	Launch XBT
20:21	21:33	Transit to OBS203
21:33	21:34	OBS203 deployed
21:34	22:26	Transit to OBS202

22:26 22:27 OBS202 deployed
22:27 23:35 Awaiting pilot
23:35 24:00 Transit to OBS201

UTC Midnight (24:00) Position / Heading:

Pos 58 59.570 N

142 45.779 W

HDG: 174 Deg

SPEED: 10 KTS

Weather:

Winds: calm

Seas 1-3 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's

11 Science Party

Bern McKiernan

Michael Zang

Daily Summary:

Perfect weather conditions, Transit and launched OBS for STEEP02 await pilot in Yakutat bay. Sill is 22 meters depth outside our spec of min 25 meters for streamer towing.

Tomorrow: Deploy guns and shoot going out the bay.

Daily Report for 25Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/25/2008

Prime 171.3000

Infill 0.0000

Reshoot 0.0000

Total: 171.3000

Time Activity Analysis

09/25/2008

Recording	19.51
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	3:07
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS deployment	1:02
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	01:02	Transit to OBS201site
01:02	01:03	OBS201 Deployed
01:03	03:29	Guns deployed
03:29	04:10	Ramp-up complete
04:10	04:10	Pam deployed
04:10	05:12	transit to STEEP02
05:12	07:18	SOL for STEEP02 FSP 1001
07:18	24:00	Shooting STEEP02 into new day MSP2143

UTC Midnight (24:00) Position / Heading:

Pos 59 38.852 N
139 53.029 W
HDG: 223 Deg
SPEED: 5 KTS

Weather:

Winds: calm
Seas 1-3 feet

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Perfect weather conditions, Picked up Pilot deployed last OBS201 deployed the guns in the bay and began shooting the STEEP02 OBS line.

Tomorrow: Continue STEEP02 OBS line and recover guns for the OBS recovery. ETA to end of line is 0100 26 September local time.

Daily Report for 26Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/26/2008

Prime	83.5000
Infill	0.0000
Reshoot	0.0000
Total:	83.5000

Time Activity Analysis

09/26/2008

Recording	9.07
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	1:32
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00

Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	13.20
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:00	Continue STEEP02 new day MSP2143
00:00	09:07	EOL of STEEP02 LSP 2700
09:07	10:49	Gun recovery
10:49	11:38	Transit to OBS218 site
11:38	13:09	Release sent
13:09	13:31	OBS218 recovered
13:31	14:40	transit to OBS217
14:40	16:08	Release sent
16:08	16:19	OBS217 recovered
16:19	17:20	transit to OBS216
17:20	18:30	release sent
18:30	18:31	OBS216 recovered
18:31	19:33	transit to OBS215
19:33	21:03	Release sent
21:03	21:16	OBS215 recovered
21:16	22:23	transit to OBS214
22:23	24:00	Release sent

UTC Midnight (24:00) Position / Heading:

Pos 558 38.35285 N

141 41.49967 W

HDG: 217 Deg

SPEED: 5 KTS

Weather:

Winds: 20 KTS

Seas 9-12 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's

11 Science Party

Bern McKiernan
Michael Zang

Daily Summary:

Weather forecast has increased wind speed and seas. Completed STEEP02 OBS line and began the recovery of instruments.

Tomorrow:

Continue OBS recovery

Daily Report for 27Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/27/2008

Prime	00.000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

09/27/2008

Recording	0.00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	24:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	00:44	Release OBS214 sent/abandoned
00:44	01:44	Transit to OBS 213 site
01:44	03:02	release sent
03:02	03:22	OBS 213 recovered
03:22	04:24	transit to OBS212 site
04:24	05:37	release sent
05:37	05:48	OBS212 recovered
05:48	06:51	transit to OBS211 site
06:51	08:32	release sent
08:32	08:57	OBS211 recovered
08:57	09:59	transit to OBS210
09:59	10:42	release sent
10:42	10:52	OBS210 recovered
10:52	11:54	transit to OBS 209
11:54	12:12	release sent
12:12	12:27	OBS209 recovered
12:27	13:43	transit to OBS208
13:43	13:46	release sent
13:46	13:56	OBS208 recovered
13:56	14:57	transit to OBS207
14:57	15:05	release sent
15:05	15:13	OBS207 recovered
15:13	16:11	transit to OBS206 site
16:11	16:24	release sent
16:24	16:30	OBS206 recovered
16:30	17:28	transit to OBS205 site
17:28	17:40	release sent
17:40	17:49	OBS205 recovered
17:49	18:46	transit to OBS204
18:46	19:02	OBS204 recovered
19:02	20:15	transit to OBS203
20:15	20:22	release sent
20:22	20:34	OBS203 recovered
20:34	21:46	transit to pilot pickup
23:00	23:20	GYRO Simrad failure/back online
23:20	23:42	Pilot onboard W/ Robert Steinhaus
23:42	24:00	transit to OBS202

UTC Midnight (24:00) Position / Heading:

Pos 59 35.49733 N

139 50.33770 W

HDG: .88Deg

SPEED: 5 KTS

Weather:

Winds: 8 KTS
Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus
Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Weather was a factor as we recovered OBS instruments but it calm down as the day wore on. Rescue boat had engine failure at pier and was required to be towed back to the vessel. No working FRC or work boat available for emergency situation.

Tomorrow:

Continue OBS recovery of OBS202 and OBS201. Conduct pre-survey of MCS line and deploy streamer outside Yakutat bay.

Daily Report for 28Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

<u>Sailed Km</u>	09/28/2008
Prime	00.000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

	09/28/2008
Recording	0.00
Line Change	0:00
Maneuvering	2:05
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	3:06

Streamer	12.26
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	4:05
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	2:40
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	01:00	transit to OBS202
01:00	01:05	release sent
01:05	01:17	OBS202 recovered
01:17	02:30	transit to OBS201
02:30	02:37	release sent
02:37	02:40	OBS201 recovered
02:40	06:45	Maneuver for reverse track survey
06:45	06:59	Tail buoy deployed
06:59	19:11	Streamer deployment complete
19:11	22:17	Full source array deployed
22:17	22:41	Maggie deployed
22:41	22:52	PAM deployed
22:52	24:00	Transit to SOL of STEEP02 MCS.

UTC Midnight (24:00) Position / Heading:

Pos 59 35.49733 N
 139 50.33770 W
 HDG: .88Deg
 SPEED: 5 KTS

Weather:

Winds: 8 KTS
 Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus
 Tom Spoto
 Jenny White

Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Surveyed area prior to Streamer deployment. Once outside of Yakutat Bay, we commenced the Streamer deployment. Due to an unusual amount of problems with telemetry and powering of the streamer it took longer than anticipated to deploy the streamer. We did complete the deployment and moved all gear another 50 meters further deployed to get the lead in better placed to avoid the gun strings.

Tomorrow:

Begin shooting STEEP02 out of Yakutat bay

Daily Report for 29Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

	09/29/2008
Prime	188.0000
Infill	0.0000
Reshoot	0.0000
Total:	188.0000

Time Activity Analysis

	09/29/2008
Recording	22.30
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:30
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	1:00
Mobilization	0.00
Streamer Control	0:00

Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
	Total: 24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	01:36	Transit and ramp up to SOL STEEP02
01:36	24:00	SOL STEEP02 FSP 960 MSP4720

UTC Midnight (24:00) Position / Heading:

Position

59 42.99644 N

139 78.85001 W

HDG: 82.09Deg

SPEED: 5 KTS

Weather:

Winds: 8 KTS

Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's

11 Science Party

Bern McKiernan

Michael Zang

Daily Summary:

Perfect conditions for survey of Yakutat bay, seas calm no problem at any point in the survey of the bay. Pilot disembarked with no problems. We had a compressor failure but only for a few minutes. Another power down for a MMO sighting.

Tomorrow:
Continue shooting STEEP02 then make turn to STEEP11

Daily Report for 30 Sept. 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

09/30/2008

Prime	200.7500
Infill	0.0000
Reshoot	0.0000
Total:	200.7500

Time Activity Analysis

09/30/2008

Recording	24.00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0.00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	0:00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	02:41	EOL STEEP02 LSP5152
02:41	02:42	SOL STEEP11 FSP 365
02:42	24:00	Continue STEEP11 new day MSP 3948

UTC Midnight (24:00) Position / Heading:

Position
59 42.99644 N
139 78.85001 W
HDG: 82.09Deg
SPEED: 5 KTS

Weather:

Winds: 8 KTS
Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus
Tom Spoto
Jenny White
Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Finished STEEP02 blended right into STEEP11.

Tomorrow:

Go as far as time allows for STEEP11 then end line to recover towed gear and make way to abandoned OBS instruments.

Daily Report for 01 October 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

10/01/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

10/01/2008

Recording	1.55
Line Change	0:00
Maneuvering	0:00
Weather	0:00

Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	1.13
Streamer	3.57
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	15:50
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	1.05
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	01:55	EOL STEEP11 LSP 4305
01:55	03:08	Gun recovery
03:08	03:44	Head float recovery
03:44	04:11	Remove head stretch
04:11	07:05	Tail buoy onboard
07:05	17:46	Transit to OBS214 site
17:46	18:51	Abandoned OBS214
18:51	24:00	Transit to OBS121 site

UTC Midnight (24:00) Position / Heading:

Position

59 27.3991 N

144 21.64507 W

HDG: 316Deg

SPEED: 4.31KTS

Weather:

Winds: 8 KTS

Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus

Tom Spoto

Jenny White

Robbie Gunn
Ryan Eaton
Mike Tatro
David Martinson (NCS SubSea)
5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Completed STEEP11 recovered all gear and transited to abandoned OBS site in hopes of recovery.

Tomorrow:

Transit to other abandoned OBS sites then to Astoria

Daily Report for 02 October 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

10/02/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

10/02/2008

Recording	0:00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	19.40
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00

Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	4.20
Total: 24.00	

2. TIME SUMMARY

Start	End	Description / Comments
00:00	11:40	Transit to OBS121
11:40	14:55	Abandon OBS121
14:55	15:43	Transit to OBS122 site
15:43	16:00	OBS122 recovered
16:00	24:00	transit to Astoria

UTC Midnight (24:00) Position / Heading:

Position

59 19.17234 N

141 35.29138 W

HDG: 12 Deg

SPEED: 10.88KTS

Weather:

Winds: 8 KTS

Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's

11 Science Party

Bern McKiernan

Michael Zang

Daily Summary:

Transit to other abandoned OBS recovered 1 OBS sites then to Astoria

Tomorrow:

Transit to Astoria secure and process paper work for off going shipments

Daily Report for 03 October 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

10/03/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

10/03/2008

Recording	0:00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	24.00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	0.00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	24:00	Transit to Astoria

UTC Midnight (24:00) Position / Heading:

Position

57 22.854 N

137 49.912 W

HDG: Deg

SPEED: 10.88KTS

Weather:

Winds: 8 KTS

Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's

11 Science Party

Bern McKiernan

Michael Zang

Daily Summary:

Transit to Astoria

Tomorrow:

Transit to Astoria

Daily Report for 04 October 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

10/04/2008

Prime 0.0000

Infill 0.0000

Reshoot 0.0000

Total: 0.0000

Time Activity Analysis

10/04/2008

Recording 0:00

Line Change 0:00

Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	24.00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	0.00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	24:00	Transit to Astoria

UTC Midnight (24:00) Position / Heading:

Position

54 03.803 N

134 29.906 W

HDG: 140 Deg

SPEED: 9.88KTS

Weather:

Winds: 8 KTS

Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's
11 Science Party
Bern McKiernan
Michael Zang

Daily Summary:

Transit to Astoria. Pack items to be shipped. General clean up

Tomorrow:

Transit to Astoria Work on Squawk boxes for the streamer deck and gun slip

Daily Report for 05 October 2008

1. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Charge Analysis

Sailed Km

10/05/2008

Prime	0.0000
Infill	0.0000
Reshoot	0.0000
Total:	0.0000

Time Activity Analysis

10/05/2008

Recording	0:00
Line Change	0:00
Maneuvering	0:00
Weather	0:00
Fishing Interference	0:00
Instrument	0:00
Hydraulics	0:00
Source	0:00
Streamer	0:00
In-Sea Positioning	0:00
Ship	0:00
Seismic Air Compressor	0:00
Transit	24.00
Mobilization	0.00
Streamer Control	0:00
Cetaceans - PAM	0:00
Streamer Damage	0.00
Debris/Flotsam	0.00
Port Call	0:00
Medical/EVAC Transfer	0:00
Work Boat Ops	0:00
Ship Traffic	0:00
OBS recovery	0.00
Total:	24.00

2. TIME SUMMARY

Start	End	Description / Comments
00:00	24:00	Transit to Astoria

UTC Midnight (24:00) Position / Heading:

Position

50 52.3357 N

130 06.62158 W

HDG: 138 Deg

SPEED: 10.9 KTS

Weather:

Winds: 8 KTS

Seas 1-3 ft

Comments: Local time is UTC-8.

Science personnel currently on board:

Robert Steinhaus

Tom Spoto

Jenny White

Robbie Gunn

Ryan Eaton

Mike Tatro

David Martinson (NCS SubSea)

5 MMO's

11 Science Party

Bern McKiernan

Michael Zang

Daily Summary:

Transit to Astoria. Install squawk boxes.

Tomorrow:

Arrive in Astoria