

10/28/2023

Page 1

Client: Lamont-Doherty Earth Observatory
Job No: MGL2314
Block: South Puerto Rico
Client Contact:
Consultancy:
Job No:

Contractor: Lamont-Doherty Earth Observatory
Job No: MGL2314
Vessel: Marcus G Langseth
Supervisor:
Party Chiefs: Cody Bahlau
Client Reps: Dr. Uri S. ten Brink

Daily Comment Summaries - Daily Summary

Sat 28 Oct

The Science Team, PSOs and Tech teams all arrived today.
A busy day of moving in to the vessel and checking equipment prior to sailing on the 29th.
A vessel orientation was done for the all new crew to the vessel.
A operations meeting was held to discuss the upcoming cruise and all relevant details were covered; Line order, Acq parameters etc
The Lead PSO reviewed the environmental requirements.
The captain went through the vessel risk assessment.
A covid test was done for all crew on the vessel.
Towards the end of day it was seen that we could not power up the Hi-Rez sections on Reel 1. Will trouble shoot in the morning.

Daily Comment Summaries - Plan for Tomorrow

Sat 28 Oct

Trouble Shoot Reel 1.
Sail at 1100 Local

Timing Diary (Marcus G Langseth, Hi-Rez)

Start	End	Category	Code	Duration (hrs)
00:00	24:00	Mob Ashore	MB_MA	24.000
Mobilizing Ashore.				

Timing Day By Day (Marcus G Langseth, Hi-Rez)

28-Oct	Hours	% Percent
Mobilisation	24.000	100.000
Mob Ashore	24.000	100.000
Day's Total	24.000	100.000

Timing Breakdown Summary - Project (Marcus G Langseth, Hi-Rez)

Category	Hours	% Percent
Mobilisation	24.000	100.000
Mob Ashore	24.000	100.000
Total	24.000	

Basic Project Details

Hi-Rez					
General Details					
Record length:	4000 ms	Sample rate:	0.5 ms	Shotpoint interval:	12.5 m
CoS to CNG:	100 m	Fold Coverage:	0		
Cable Details					
No of Cables:	1	Chans Per Cable:	144	Front Depth:	4 m

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Hi-Rez					
Tail Depth:	4 m	Length:	900	Group interval:	6.25 m

Production Totals (Chgd Main km) - Prime: Full Fold, Infill: Unknown

Hi-Rez

Charged km	Day	Week	Month	Project
Prime	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00

Production Listing (Chgd Main km) - Prime: Full Fold, Infill: Unknown

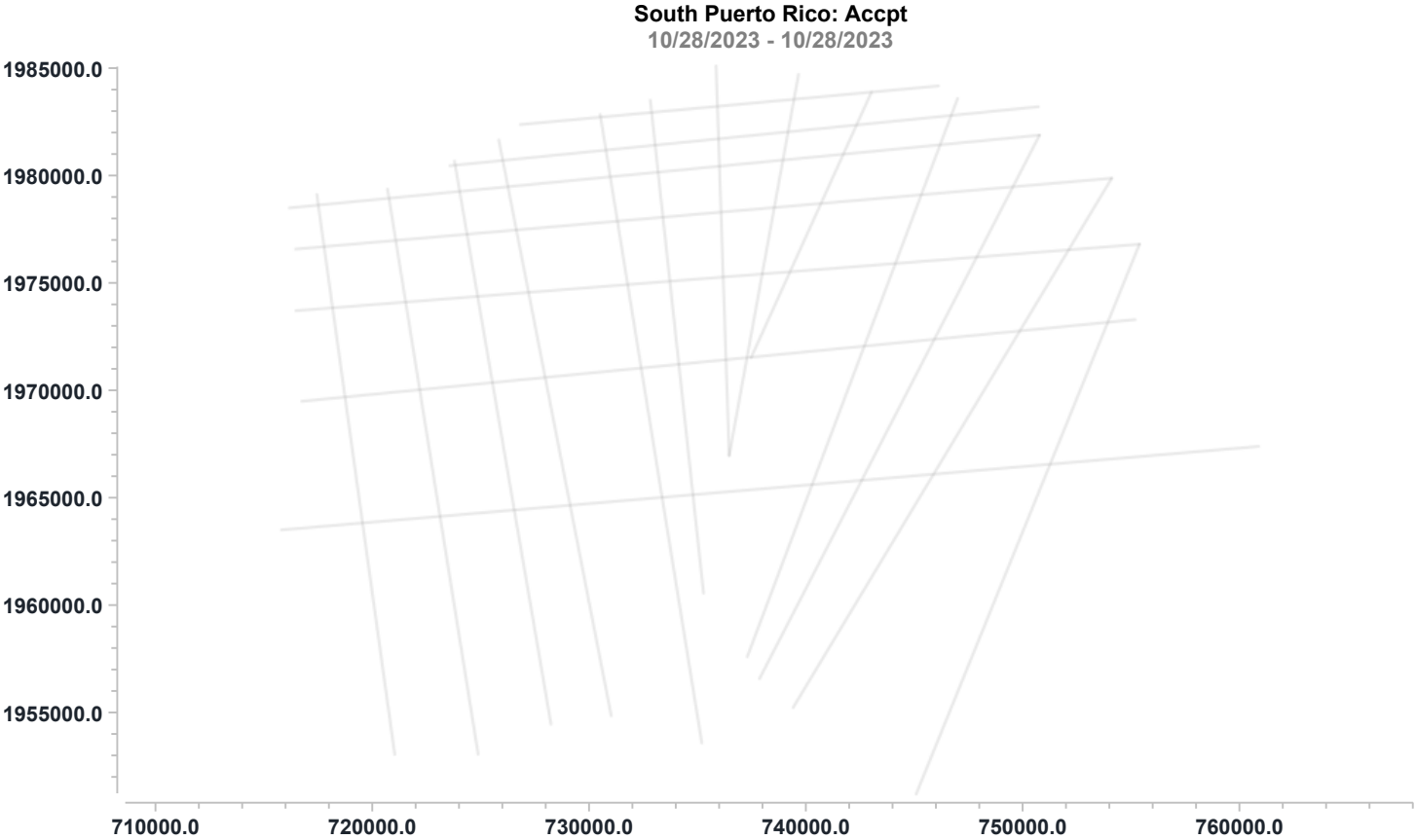
OBS_Deployment, Hi-Rez

Seq	Line	FCSP	LCSP	Prod Type	Production	Ave Knots	Seq Status	Line Status
Total					0.00			

Production Totals (Acpt Main km) - Prime: Full Fold, Infill: Unknown

Hi-Rez

Accepted km	Day	Week	Month	Project
Prime	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00



Daily Comment Summaries - Daily Comments On Status of Equipment

Sat 28 Oct

Navigation:

No Major Issues to Report

Information Technology (IT):

No Major Issues to Report

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Acquisition (MCS):

No Major Issues to Report

Towing and Handling (Source):

No Major Issues to Report

General Purpose Science:

No Major issues to Report.

Daily Comment Summaries - Personnel Onboard

Sat 28 Oct

Technical Staff On-board the Langseth

Cody Bahlau L-DEO OMO Chief Science Officer
Josh Kasinger L-DEO OMO Chief Source Mechanic
Brian Agee L-DEO OMO Source Mechanic
Gilles Guerin - L-DEO OMO Observer
Koray Ergun.- L-DEO OMO Navigator
Aaron Martin.- Contract Navigator
Mark Walker - Contract Source Mechanic
Ray Hatton - Contract Source Mechanic
Jacon Greenberg - Contract Source Mechanic



PSO Staff On-board the Langseth

Amanda Dubuque - RPS Lead PSO
Cassandra Frey - RPS PSO
Elizabeth Breton - RPS PSO
Tiffany Ramdoo - RPS PSO
Maria Sandoval - RPS PSO




Science Party On-board the Langseth

Uri Ten Brink - Lead Pi
Shuoshuo Han - Co-PI
Hanchao Jian - Co-Chief Scientist
William Danforth - Technical staff
Seth Ackerman - Technical staff
Dave Foster - Technical staff
Wayne Baldwin - Technical staff
Nick Harmon - Res. Specialist
Jose-Luis Granaha-Bruna - Professor
Sam Heller - Technical staff
Eric Moore - Technical staff
Charles Babendreier - Student

HSE Events Diary (Marcus G Langseth)

Start	End	Category	Code
13:05	14:05	 Vessel Induction Tours	Trng_VIT
HSE - Vessel Induction Tour			
14:05	15:05	 Departmental Meeting	Mtgs_Dept
HSE - Start of Cruise Ops Meeting			

HSE Event Period Totals - Project (Marcus G Langseth)

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
 Training	Trng	1	1	1	1	1.000	
 Vessel Induction Tours	VIT	1	1	1	1	1.000	
 Meetings	Mtgs	1	1	1	1	1.000	

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
<div></div> Departmental Meeting	Dept	1	1	1	1	1.000	

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Consultancy:
Job No:

Contractor: Lamont-Doherty Earth Observatory
Job No: MGL2314
Vessel: Marcus G Langseth
Supervisor:
Party Chiefs: Cody Bahlau
Client Reps: Dr. Uri S. ten Brink

Daily Comment Summaries - Daily Summary

Sun 29 Oct

After trouble shooting reel 1 it was seen that the Leadin was bad at 9am local.
The deck crew did a great job of getting our spare leadin down, the spooler stands and the empty reel before we sailed at 11am.
The tech department started to change the leadin and test.
By 7pm local the leadin was changed, the front ends built up and the 900 meters added back to reel 1. All tested good and we are ready to deploy.
The air guns were clicked tested good on deck.
The Tail buoy and front float were tested good.

The line order was agreed upon and the ops plan created and sent to the departments.
At end of day we are transiting towards our deployment area.

Daily Comment Summaries - Plan for Tomorrow

Sun 29 Oct

Deploy Streamer and start line 1

Timing Diary (Marcus G Langseth, Hi-Rez)

Start	End	Category	Code	Duration (hrs)
00:00	15:00	Mob Ashore	MB_MA	15.000
Mobilizing Ashore.				
15:00	24:00	Transit to Prospect	MB_TT	9.000
In transit to prospect, for mobilising deployment.				

Timing Day By Day (Marcus G Langseth, Hi-Rez)

29-Oct	Hours	% Percent
Mobilisation	24.000	100.000
Mob Ashore	15.000	62.500
Transit to Prospect	9.000	37.500
Day's Total	24.000	100.000

Timing Breakdown Summary - Project (Marcus G Langseth, Hi-Rez)

Category	Hours	% Percent
Mobilisation	48.000	100.000
Transit to Prospect	9.000	18.750
Mob Ashore	39.000	81.250
Total	48.000	

Basic Project Details

Hi-Rez
General Details

Hi-Rez					
Record length:	4000 ms	Sample rate:	0.5 ms	Shotpoint interval:	12.5 m
CoS to CNG:	100 m	Fold Coverage:	0		
Cable Details					
No of Cables:	1	Chans Per Cable:	144	Front Depth:	4 m
Tail Depth:	4 m	Length:	900	Group interval:	6.25 m

Production Totals (Chgd Main km) - Prime: Full Fold, Infill: Unknown

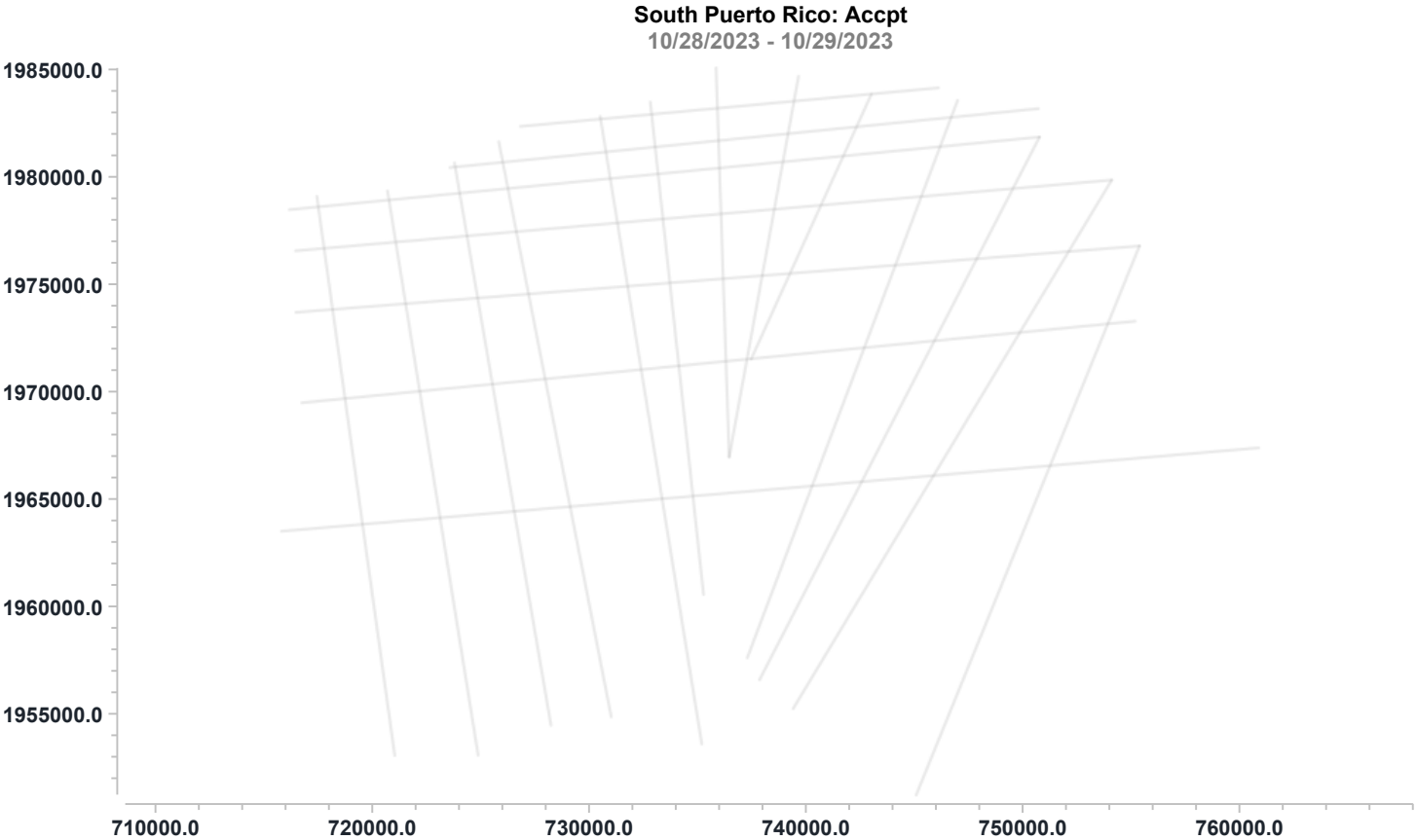
Charged km	Day	Week	Month	Project
Prime	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00

Production Listing (Chgd Main km) - Prime: Full Fold, Infill: Unknown

Seq	Line	FCSP	LCSP	Prod Type	Production	Ave Knots	Seq Status	Line Status
Total					0.00			

Production Totals (Acpt Main km) - Prime: Full Fold, Infill: Unknown

Accepted km	Day	Week	Month	Project
Prime	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00



Daily Comment Summaries - Daily Comments On Status of Equipment

Sun 29 Oct

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Navigation:

No Major Issues to Report

Information Technology (IT):

No Major Issues to Report

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No Major Issues to Report

Towing and Handling (Source):

No Major Issues to Report

General Purpose Science:

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Daily Comment Summaries - Personnel Onboard

Sun 29 Oct

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Amanda Dubuque - RPS Lead PSO
Cassandra Frey - RPS PSO
Elizabeth Breton - RPS PSO
Tiffany Ramdoo - RPS PSO
Maria Sandoval - RPS PSO








Science Party On-board the Langseth

Uri Ten Brink - Lead PI
Shuoshuo Han - Co-PI
Hanchao Jian - Co-Chief Scientist
William Danforth - Technical staff
Seth Ackerman - Technical staff
Dave Foster - Technical staff
Wayne Baldwin - Technical staff
Nick Harmon - Res. Specialist
Jose-Luis Granaha-Bruna - Professor
Sam Heller - Technical staff
Eric Moore - Technical staff
Charles Babendreier - Student

HSE Events Diary (Marcus G Langseth)

Start	End	Category	Code
19:10	20:10	 Fire Drill	Drls_Fi
HSE - Fire Drill			
20:10	21:10	 Abandon Ship Drill	Drls_AS
HSE - Abandon Ship Drill			

HSE Event Period Totals - Project (Marcus G Langseth)

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
 Training	Trng	0	1	1	1	1.000	
 Vessel Induction Tours	VIT	0	1	1	1	1.000	
 Drills	Drls	2	2	2	2	2.000	
 Abandon Ship Drill	AS	1	1	1	1	1.000	
 Fire Drill	Fi	1	1	1	1	1.000	
 Meetings	Mtgs	0	1	1	1	1.000	
 Departmental Meeting	Dept	0	1	1	1	1.000	

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Page 1

Client:	Lamont-Doherty Earth Observatory	Contractor:	Lamont-Doherty Earth Observatory
Job No:	MGL2314	Job No:	MGL2314
Block:	South Puerto Rico	Vessel:	Marcus G Langseth
Client Contact:		Supervisor:	
Consultancy:		Party Chiefs:	Cody Bahlau
Job No:		Client Reps:	Dr. Uri S. ten Brink

Daily Comment Summaries - Daily Summary

Mon 30 Oct

At the start of the day the vessel was in Transit.
At 06:52 UTC we had our tool box talk for streamer Deployment and put the tail buoy in the water.
Streamer and source deployment went safely and efficiently. Additional time was spent to re-tension the leadin after the change.
The vessel had to standby 30-45 minutes for compressor work before the air guns could be tested.
The first line, WE07, was started at 13:43.
This project has limitation with regards to Marine Sanctuaries and shallow waters to the North.
A detailed operations plan was created and reviewed. During the daily operations meeting it was discussed that the bridge and main lab will talk before each end of line.

Daily Comment Summaries - Plan for Tomorrow

Mon 30 Oct

Continue seismic acquisition

Timing Diary (Marcus G Langseth, Hi-Rez, Source Only)

Start	End	Category	Code	Duration (hrs)
00:00	06:52	<div>Transit to Prospect</div>	MB_TT	6.867
In transit to prospect, for mobilising deployment.				
06:52	13:43	<div>Deployment</div>	MB_DP	6.850
Mobilising offshore, deploying outboard equipment.				
13:43	16:57	<div>Prime</div>	AC_PP	3.233
Seq: 1 SOL Seq 1 Line:W-E7 Block:South Puerto Rico FGSP:880 Hdg:84.7° Prime EOL Seq 1 Line:W-E7 Block:South Puerto Rico LGSP:4099 Complete				
16:57	18:11	<div>Prime L/C</div>	AC_PLC	1.233
Seq: 1 Line: W-E7 Nominal Prime line change.				
18:11	23:31	<div>Prime</div>	AC_PP	5.333
Seq: 2 SOL Seq 2 Line:W-E5 Block:South Puerto Rico FGSP:6564 Hdg:264.4° Prime EOL Seq 2 Line:W-E5 Block:South Puerto Rico LGSP:1070 Complete				
23:31	23:51	<div>Prime L/C</div>	AC_PLC	0.333
Seq: 2 Line: W-E5 Nominal Prime line change.				
23:51	24:00	<div>Prime</div>	AC_PP	0.150
Seq: 3 SOL Seq 3 Line:W-E4 Block:South Puerto Rico FGSP:1067 FCSP:N/A Hdg:85° Prime MSP Seq 3 Line:W-E4 Block:South Puerto Rico LGSP:1138 LCSP:1138 Midnight				

Timing Day By Day (Marcus G Langseth, Hi-Rez, Source Only)

30-Oct	Hours	% Percent
Acquisition	10.283	42.847
Prime	8.717	36.319
Prime L/C	1.567	6.528
Mobilisation	13.717	57.153
Deployment	6.850	28.542
Transit to Prospect	6.867	28.611
Day's Total	24.000	100.000

Timing Breakdown Summary - Project (Marcus G Langseth, Hi-Rez, Source Only)

Category	Hours	% Percent
Mobilisation	61.717	85.718
Deployment	6.850	9.514
Mob Ashore	39.000	54.167
Transit to Prospect	15.867	22.037
Acquisition	10.283	14.282
Prime	8.717	12.106
Prime L/C	1.567	2.176
Total	72.000	

Basic Project Details

Hi-Rez					
General Details					
Record length:	4000 ms	Sample rate:	0.5 ms	Shotpoint interval:	12.5 m
CoS to CNG:	100 m	Fold Coverage:	0		
Cable Details					
No of Cables:	1	Chans Per Cable:	144	Front Depth:	4 m
Tail Depth:	4 m	Length:	900	Group interval:	6.25 m

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	55.37	55.37	55.37	55.37
Combined	55.37	55.37	55.37	55.37

Production Listing (Accpt Main km) - Full Fold

Hi-Rez, Source Only

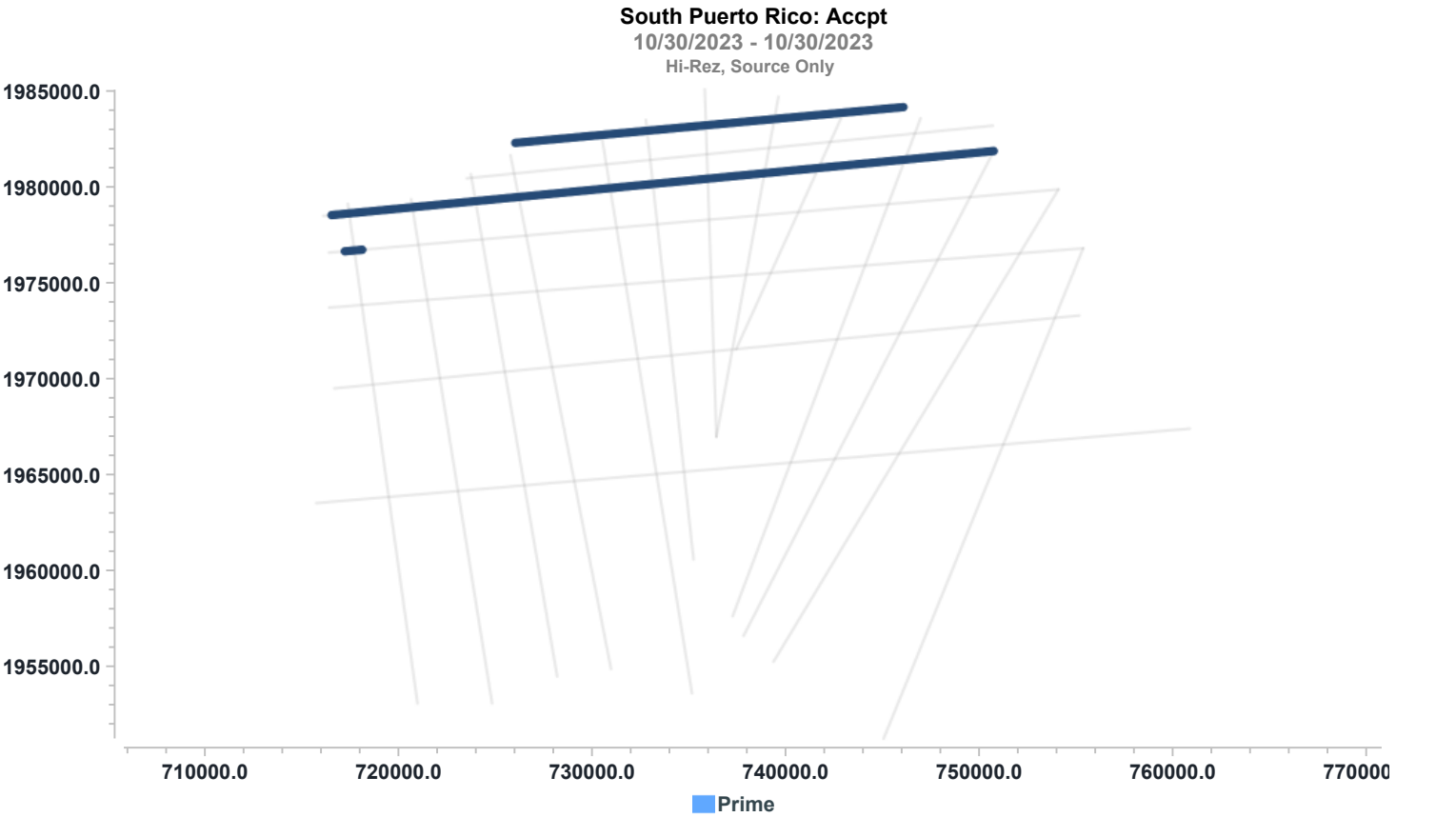
Seq	Line	Heading	FGSP	LGSP	Prod Type	Production	Ave Knots	Seq Status	Line Status
1	W-E7	84.7	880	4099	Prime	20.13	3.360	Complete	Complete
2	W-E5	264.4	6564	1070	Prime	34.34	3.476	Complete	Complete
3	W-E4	85.0	1067	1138	Prime	0.90	3.195	Midnight	Part
Total						55.37			

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	55.37	55.37	55.37	55.37

Accepted km	Day	Week	Month	Project
Combined	55.37	55.37	55.37	55.37



Daily Comment Summaries - Daily Comments On Status of Equipment

Mon 30 Oct

Navigation:

No Major Issues to Report

Information Technology (IT):

No Major Issues to Report

Acquisition (MCS):

No Major Issues to Report

Towing and Handling (Source):

No Major Issues to Report

General Purpose Science:

No Major issues to Report.

Daily Comment Summaries - Personnel Onboard

Mon 30 Oct

Technical Staff On-board the Langseth

- Cody Bahlau L-DEO OMO Chief Science Officer
- Josh Kasinger L-DEO OMO Chief Source Mechanic
- Brian Agee L-DEO OMO Source Mechanic
- Gilles Guerin - L-DEO OMO Observer
- Koray Ergun.- L-DEO OMO Navigator
- Aaron Martin.- Contract Navigator
- Mark Walker - Contract Source Mechanic
- Ray Hatton - Contract Source Mechanic

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Jacon Greenberg - Contract Source Mechanic


PSO Staff On-board the Langseth

Amanda Dubuque - RPS Lead PSO
Cassandra Frey - RPS PSO
Elizabeth Breton - RPS PSO
Tiffany Ramdoo - RPS PSO
Maria Sandoval - RPS PSO

Science Party On-board the Langseth










Uri Ten Brink - Lead PI
Shuoshuo Han - Co-PI
Hanchao Jian - Co-Chief Scientist
William Danforth - Technical staff
Seth Ackerman - Technical staff
Dave Foster - Technical staff
Wayne Baldwin - Technical staff
Nick Harmon - Res. Specialist
Jose-Luis Granaha-Bruna - Professor
Sam Heller - Technical staff
Eric Moore - Technical staff
Charles Babendreier - Student

HSE Events Diary (Marcus G Langseth)

Start	End	Category	Code
16:10	17:10	 Daily HSE Ops Meeting	Mtgs_DOps
HSE - Daily Operation Meeting			

Daily Total Category	Code	Count
 Toolbox Meetings	Mtgs_Tbox	1
TBT - Streamer Deployment		

HSE Event Period Totals - Project (Marcus G Langseth)

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
 Drills	Drls	0	0	2	2	2.000	
 Abandon Ship Drill	AS	0	0	1	1	1.000	
 Fire Drill	Fi	0	0	1	1	1.000	
 Meetings	Mtgs	2	2	3	3	2.000	
 Daily HSE Ops Meeting	DOps	1	1	1	1	1.000	
 Departmental Meeting	Dept	0	0	1	1	1.000	
 Toolbox Meetings	Tbox	1	1	1	1		
 Training	Trng	0	0	1	1	1.000	
 Vessel Induction Tours	VIT	0	0	1	1	1.000	

10/31/2023

Page 1

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Consultancy:
Job No:

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Vessel: Marcus G Langseth
Supervisor:
Party Chiefs: Cody Bahlau
Client Reps: Dr. Uri S. ten Brink

Daily Comment Summaries - Daily Summary

Tue 31 Oct

Communications with the streamer failed around 2:30 local.
After trouble shooting on-board on the acquisition system it was decided to recover the gear and trouble shoot in water.
The problem was isolated to the leadin, and was found to be the HLFOI board on the dry end of the leadin.
Once this was changed out and tested the gear was deployed again.
The vessel came back on to line, overlapping some shot points from Seq 4.
Total downtime was ~7 hrs.

The time to meet the crew change vessel is 1700 on the 2nd.
Several lines were shortened and removed, a new coordinate file was created, version 3.
The line was re-ordered to create more efficiencies after the lines were shortened.








Daily Comment Summaries - Plan for Tomorrow

Tue 31 Oct

Continue Acquisition

Timing Diary (Marcus G Langseth, Hi-Rez, Source Only)



Start	End	Category	Code	Duration (hrs)
00:00	03:59	 Prime	AC_PP	3.983
Seq: 3 SOL Seq 3 Line:W-E4 Block:South Puerto Rico FGSP:1139 Hdg:85° Prime EOL Seq 3 Line:W-E4 Block:South Puerto Rico LGSP:4024 Complete				
03:59	05:03	 Prime L/C	AC_PLC	1.067
Seq: 3 Line: W-E4 Nominal Prime line change.				
05:03	06:30	 Prime	AC_PP	1.450
Seq: 4 SOL Seq 4 Line:W-E6 Block:South Puerto Rico FGSP:5363 Hdg:264.2° Prime EOL Seq 4 Line:W-E6 Block:South Puerto Rico LGSP:3953 Complete				
06:30	13:03	 Streamers	DT_ST	6.550
Downtime due to streamers, Loss of commuication to the streamer. Failed HLFOI board at the vessel end of the leadin.				
13:03	13:50	 Prime	AC_PP	0.783
Seq: 5 SOL Seq 5 Line:W-E6 Block:South Puerto Rico FGSP:4732 Hdg:84.2° Prime EOL Seq 5 Line:W-E6 Block:South Puerto Rico LGSP:3953 Incomplete Overlap of shot points from seq 4.				
13:50	16:47	 Prime	AC_PP	2.950
Seq: 5 SOL Seq 5 Line:W-E6 Block:South Puerto Rico FGSP:3952 Hdg:84.2° Prime EOL Seq 5 Line:W-E6 Block:South Puerto Rico LGSP:1001 Complete				
16:47	18:15	 Prime L/C	AC_PLC	1.467

Start	End	Category	Code	Duration (hrs)
Seq: 5 Line: W-E6 Nominal Prime line change.				
18:15	20:50	<div></div> Prime	AC_PP	2.583
Seq: 6 SOL Seq 6 Line:S-N5 Block:South Puerto Rico FGSP:1001 Hdg:170.9° Prime EOL Seq 6 Line:S-N5 Block:South Puerto Rico LGSP:2843 Complete				
20:50	21:17	<div></div> Prime L/C	AC_PLC	0.450
Seq: 6 Line: S-N5 Nominal Prime line change.				
21:17	23:46	<div></div> Prime	AC_PP	2.483
Seq: 7 SOL Seq 7 Line:S-N6 Block:South Puerto Rico FGSP:2843 Hdg:353.9° Prime EOL Seq 7 Line:S-N6 Block:South Puerto Rico LGSP:1001 Complete				
23:46	24:00	<div></div> Prime L/C	AC_PLC	0.233
Seq: 7 Line: S-N6 Nominal Prime line change.				

Timing Day By Day (Marcus G Langseth, Hi-Rez, Source Only)

31-Oct	Hours	% Percent
Acquisition	17.450	72.708
Prime	14.233	59.306
Prime L/C	3.217	13.403
DownTime	6.550	27.292
Streamers	6.550	27.292
Day's Total	24.000	100.000

Timing Breakdown Summary - Project (Marcus G Langseth, Hi-Rez, Source Only)

Category	Hours	% Percent
Mobilisation	61.717	64.288
Deployment	6.850	7.135
Mob Ashore	39.000	40.625
Transit to Prospect	15.867	16.528
Acquisition	27.733	28.889
Prime	22.950	23.906
Prime L/C	4.783	4.983
DownTime	6.550	6.823
Streamers	6.550	6.823
Total	96.000	

Basic Project Details

Hi-Rez					
General Details					
Record length:	4000 ms	Sample rate:	0.5 ms	Shotpoint interval:	12.5 m
CoS to CNG:	100 m	Fold Coverage:	0		
Cable Details					

Hi-Rez					
No of Cables:	1	Chans Per Cable:	144	Front Depth:	4 m
Tail Depth:	4 m	Length:	900	Group interval:	6.25 m

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	109.42	164.79	164.79	164.79
Combined	109.42	164.79	164.79	164.79

Production Listing (Accpt Main km by Shotpoint) - Full Fold

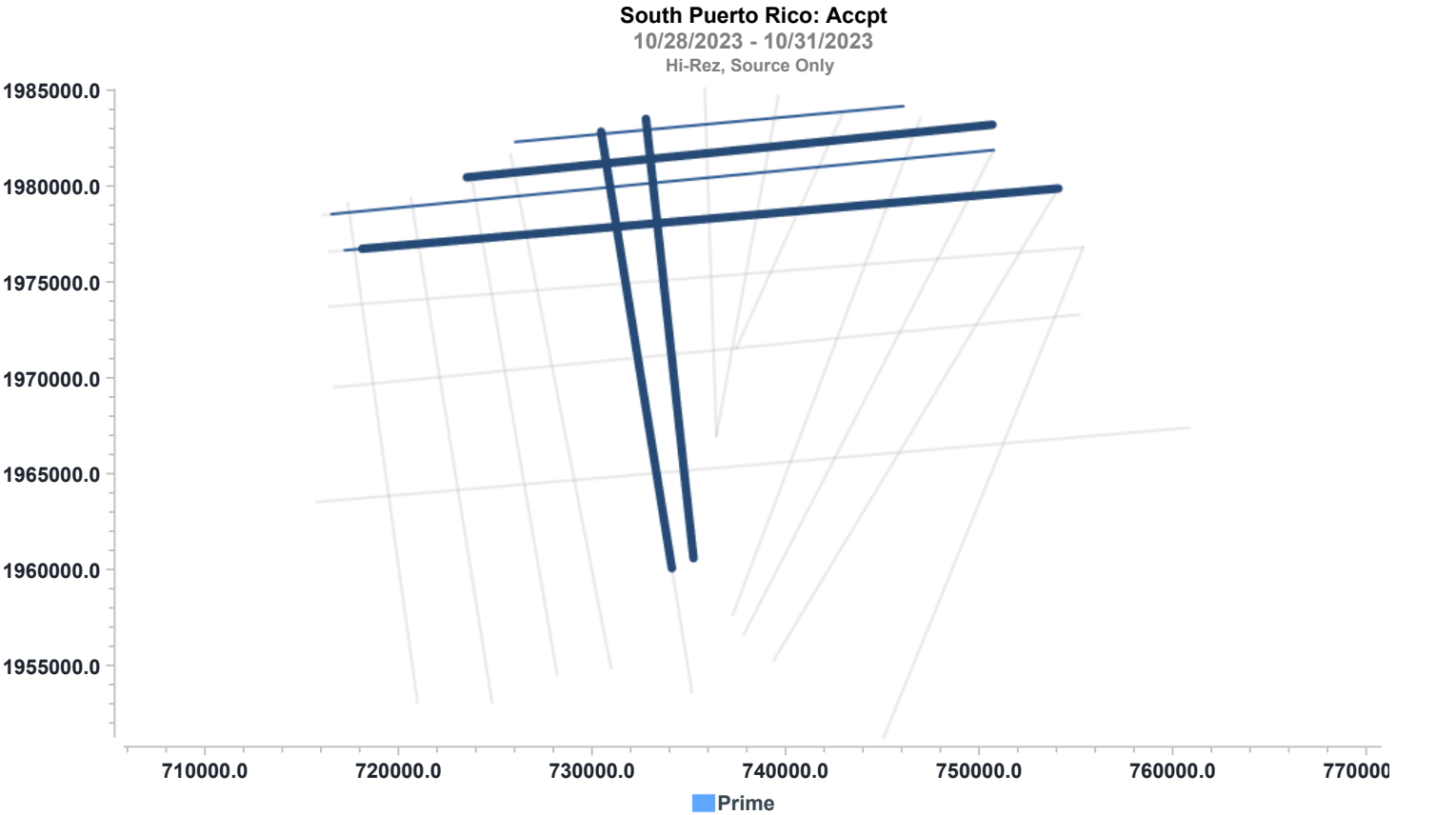
Hi-Rez, Source Only

Seq	Line	Heading	FGSP	LGSP	Prod Type	Production	Ave Knots	Seq Status	Line Status
3	W-E4	85.0	1139	4024	Prime	36.08	4.829	Complete	Complete
4	W-E6	264.2	5363	3953	Prime	8.82	3.282	Complete	Complete
5	W-E6	84.2	3952	1001	Prime	18.45	3.373	Complete	Complete
Overlap (accpt): 4732 - 3953, NTBP: 3952 - 3953 (not chgd)									
6	S-N5	170.9	1001	2843	Prime	23.04	4.813	Complete	Complete
7	S-N6	353.9	2843	1001	Prime	23.04	5.006	Complete	Complete
Total						109.42			

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	109.42	164.79	164.79	164.79
Combined	109.42	164.79	164.79	164.79



Daily Comment Summaries - Daily Comments On Status of Equipment

Tue 31 Oct

Navigation:

No Major Issues to Report

Information Technology (IT):

No Major Issues to Report

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No Major Issues to Report

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HSE Events Diary (Marcus G Langseth)

Start	End	Category	Code
17:05	18:05	 Daily HSE Ops Meeting	Mtgs_DOps
HSE - Daily Operation Meeting			

HSE Event Period Totals - Project (Marcus G Langseth)

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
 Drills	Drls	0	0	2	2	2.000	
 Abandon Ship Drill	AS	0	0	1	1	1.000	
 Fire Drill	Fi	0	0	1	1	1.000	
 Meetings	Mtgs	1	3	4	4	3.000	
 Daily HSE Ops Meeting	DOps	1	2	2	2	2.000	
 Departmental Meeting	Dept	0	0	1	1	1.000	
 Toolbox Meetings	Tbox	0	1	1	1		
 Training	Trng	0	0	1	1	1.000	
 Vessel Induction Tours	VIT	0	0	1	1	1.000	

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Client:	Lamont-Doherty Earth Observatory	Contractor:	Lamont-Doherty Earth Observatory
Job No:	MGL2314	Job No:	MGL2314
Block:	South Puerto Rico	Vessel:	Marcus G Langseth
Client Contact:		Supervisor:	
Consultancy:		Party Chiefs:	Cody Bahlau
Job No:		Client Reps:	Dr. Uri S. ten Brink

Daily Comment Summaries - Daily Summary

Wed 01 Nov

A good day of data acquisition.
The vessel speed was up all day and the seas have been down.
The early look at the data has been very positive, hardly any need for a lot of filtering,
Quite a bit of ongoing work for MGL 2315, the 15km MCS which will start on the 3rd.
Crew change plans are in place.

Daily Comment Summaries - Plan for Tomorrow

Wed 01 Nov

Finish MGL 2314 and change out crew in Ponce.

Timing Diary (Marcus G Langseth, Hi-Rez)



Start	End	Category	Code	Duration (hrs)
00:00	00:21	Prime L/C	AC_PLC	0.350
Seq: 7 Line: S-N6 Nominal Prime line change.				
00:21	02:23	Prime	AC_PP	2.033
Seq: 8 SOL Seq 8 Line:S-N7 Block:South Puerto Rico FGSP:1001 Hdg:178.1° Prime EOL Seq 8 Line:S-N7 Block:South Puerto Rico LGSP:2449 Complete				
02:23	03:14	Prime L/C	AC_PLC	0.850
Seq: 8 Line: S-N7 Nominal Prime line change.				
03:14	04:45	Prime	AC_PP	1.517
Seq: 9 SOL Seq 9 Line:S-N9 Block:South Puerto Rico FGSP:2082 Hdg:24.2° Prime EOL Seq 9 Line:S-N9 Block:South Puerto Rico LGSP:1001 Complete				
04:45	05:13	Prime L/C	AC_PLC	0.467
Seq: 9 Line: S-N9 Nominal Prime line change.				
05:13	08:00	Prime	AC_PP	2.783
Seq: 10 SOL Seq 10 Line:S-N8 Block:South Puerto Rico FGSP:1001 Hdg:190.2° Prime EOL Seq 10 Line:S-N8 Block:South Puerto Rico LGSP:2940 Complete				
08:00	08:22	Prime L/C	AC_PLC	0.367
Seq: 10 Line: S-N8 Nominal Prime line change.				
08:22	10:49	Prime	AC_PP	2.450

Start	End	Category	Code	Duration (hrs)
Seq: 11 SOL Seq 11 Line:S-N4 Block:South Puerto Rico FGSP:2729 Hdg:349° Prime EOL Seq 11 Line:S-N4 Block:South Puerto Rico LGSP:1001 Complete				
10:49	11:07	<div></div> Prime L/C	AC_PLC	0.300
Seq: 11 Line: S-N4 Nominal Prime line change.				
11:07	13:16	<div></div> Prime	AC_PP	2.150
Seq: 12 SOL Seq 12 Line:S-N3 Block:South Puerto Rico FGSP:1003 Hdg:170.3° Prime EOL Seq 12 Line:S-N3 Block:South Puerto Rico LGSP:2547 Complete				
13:16	13:53	<div></div> Prime L/C	AC_PLC	0.617
Seq: 12 Line: S-N3 Nominal Prime line change.				
13:53	15:54	<div></div> Prime	AC_PP	2.017
Seq: 13 SOL Seq 13 Line:S-N2 Block:South Puerto Rico FGSP:2441 Hdg:351° Prime EOL Seq 13 Line:S-N2 Block:South Puerto Rico LGSP:1001 Complete				
15:54	16:22	<div></div> Prime L/C	AC_PLC	0.467
Seq: 13 Line: S-N2 Nominal Prime line change.				
16:22	18:25	<div></div> Prime	AC_PP	2.050
Seq: 14 SOL Seq 14 Line:S-N1 Block:South Puerto Rico FGSP:1001 Hdg:172.1° Prime EOL Seq 14 Line:S-N1 Block:South Puerto Rico LGSP:2419 Complete				
18:25	19:26	<div></div> Prime L/C	AC_PLC	1.017
Seq: 14 Line: S-N1 Nominal Prime line change.				
19:26	22:54	<div></div> Prime	AC_PP	3.467
Seq: 15 SOL Seq 15 Line:W-E1 Block:South Puerto Rico FGSP:1001 Hdg:85.1° Prime EOL Seq 15 Line:W-E1 Block:South Puerto Rico LGSP:3417 Complete				
22:54	24:00	<div></div> Prime L/C	AC_PLC	1.100
Seq: 15 Line: W-E1 Nominal Prime line change.				

Timing Day By Day (Marcus G Langseth, Hi-Rez)

1-Nov	Hours	% Percent
Acquisition	24.000	100.000
Prime	18.467	76.944
Prime L/C	5.533	23.056
Day's Total	24.000	100.000

Timing Breakdown Summary - Project (Marcus G Langseth, Hi-Rez, Source Only)

Category	Hours	% Percent
Mobilisation	61.717	51.431
Deployment	6.850	5.708
Mob Ashore	39.000	32.500
Transit to Prospect	15.867	13.222
Acquisition	51.733	43.111
Prime	41.417	34.514
Prime L/C	10.317	8.597
DownTime	6.550	5.458
Streamers	6.550	5.458
Total	120.000	

Basic Project Details

Hi-Rez					
General Details					
Record length:	4000 ms	Sample rate:	0.5 ms	Shotpoint interval:	12.5 m
CoS to CNG:	100 m	Fold Coverage:	0		
Cable Details					
No of Cables:	1	Chans Per Cable:	144	Front Depth:	4 m
Tail Depth:	4 m	Length:	900	Group interval:	6.25 m

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	162.78	327.56	162.78	327.56
Combined	162.78	327.56	162.78	327.56

Production Listing (Accpt Main km by Shotpoint) - Full Fold

Hi-Rez, Source Only

Seq	Line	Heading	FGSP	LGSP	Prod Type	Production	Ave Knots	Seq Status	Line Status
8	S-N7	178.1	1001	2449	Prime	18.11	4.807	Complete	Complete
9	S-N9	24.2	2082	1001	Prime	13.53	4.811	Complete	Complete
10	S-N8	190.2	1001	2940	Prime	24.25	4.702	Complete	Complete
11	S-N4	349.0	2729	1001	Prime	21.61	4.760	Complete	Complete
12	S-N3	170.3	1003	2547	Prime	19.31	4.847	Complete	Complete
13	S-N2	351.0	2441	1001	Prime	18.01	4.819	Complete	Complete
14	S-N1	172.1	1001	2419	Prime	17.74	4.669	Complete	Complete
15	W-E1	85.1	1001	3417	Prime	30.21	4.704	Complete	Complete
Total						162.78			

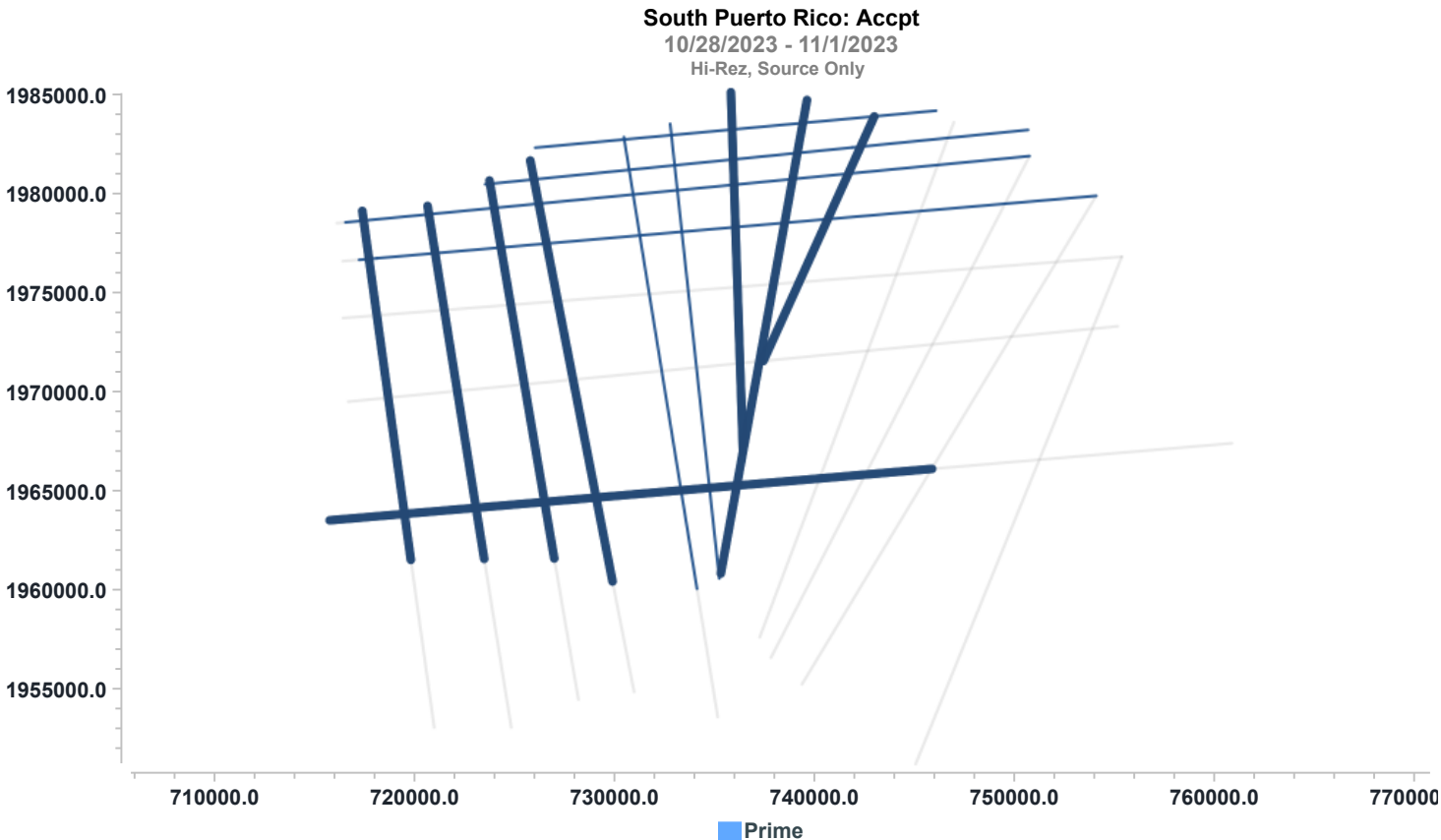
Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	162.78	327.56	162.78	327.56
Combined	162.78	327.56	162.78	327.56

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Daily Comment Summaries - Daily Comments On Status of Equipment

Wed 01 Nov

Navigation:

No Major Issues to Report

Information Technology (IT):

No Major Issues to Report

Acquisition (MCS):

No Major Issues to Report

Towing and Handling (Source):

No Major Issues to Report

General Purpose Science:

No Major issues to Report.

Daily Comment Summaries - Personnel Onboard

Wed 01 Nov

Technical Staff On-board the Langseth

Cody Bahlau L-DEO OMO Chief Science Officer
Josh Kasinger L-DEO OMO Chief Source Mechanic
Brian Agee L-DEO OMO Source Mechanic
Gilles Guerin - L-DEO OMO Observer
Koray Ergun.- L-DEO OMO Navigator
Aaron Martin.- Contract Navigator
Mark Walker - Contract Source Mechanic
Ray Hatton - Contract Source Mechanic
Jacon Greenberg - Contract Source Mechanic

PSO Staff On-board the Langseth

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Amanda Dubuque - RPS Lead PSO
Cassandra Frey - RPS PSO
Elizabeth Breton - RPS PSO
Tiffany Ramdoo - RPS PSO
Maria Sandoval - RPS PSO










Science Party On-board the Langseth

Uri Ten Brink - Lead PI
Shuoshuo Han - Co-PI
Hanchao Jian - Co-Chief Scientist
William Danforth - Technical staff
Seth Ackerman - Technical staff
Dave Foster - Technical staff
Wayne Baldwin - Technical staff
Nick Harmon - Res. Specialist
Jose-Luis Granaha-Bruna - Professor
Sam Heller - Technical staff
Eric Moore - Technical staff
Charles Babendreier - Student

HSE Events Diary (Marcus G Langseth)

Start	End	Category	Code
16:05	17:05	 Daily HSE Ops Meeting	Mtgs_DOps
HSE - Daily Operation Meeting			

HSE Event Period Totals - Project (Marcus G Langseth)

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
 Drills	Drls	0	0	0	2	2.000	
 Abandon Ship Drill	AS	0	0	0	1	1.000	
 Fire Drill	Fi	0	0	0	1	1.000	
 Meetings	Mtgs	1	4	1	5	4.000	
 Daily HSE Ops Meeting	DOps	1	3	1	3	3.000	
 Departmental Meeting	Dept	0	0	0	1	1.000	
 Toolbox Meetings	Tbox	0	1	0	1		
 Training	Trng	0	0	0	1	1.000	
 Vessel Induction Tours	VIT	0	0	0	1	1.000	

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Client: Lamont-Doherty Earth Observatory
Job No: MGL2314
Block: South Puerto Rico
Client Contact:
Consultancy:
Job No:

Contractor: Lamont-Doherty Earth Observatory
Job No: MGL2314
Vessel: Marcus G Langseth
Supervisor:
Party Chiefs: Cody Bahlau
Client Reps: Dr. Uri S. ten Brink

Daily Comment Summaries - Daily Summary

Thu 02 Nov

Completed acquisition for MGI 2314.
Recovered gear and transited to the location for boat transfer of crew.
Crew change was safe and efficient.
Last daily log of MGL 2314

Daily Comment Summaries - Plan for Tomorrow

Thu 02 Nov

Timing Diary (Marcus G Langseth, Hi-Rez)



Start	End	Category	Code	Duration (hrs)
00:00	00:08	Prime L/C	AC_PLC	0.133
Seq: 16 Line: W-E2 Nominal Prime line change.				
00:08	03:51	Prime	AC_PP	3.717
Seq: 16 SOL Seq 16 Line:W-E2 Block:South Puerto Rico FGSP:3663 Hdg:264.4° Prime EOL Seq 16 Line:W-E2 Block:South Puerto Rico LGSP:1012 Complete				
03:51	04:18	Prime L/C	AC_PLC	0.450
Seq: 16 Line: W-E2 Nominal Prime line change.				
04:18	08:18	Prime	AC_PP	4.000
Seq: 17 SOL Seq 17 Line:W-E3 Block:South Puerto Rico FGSP:1029 Hdg:85.5° Prime EOL Seq 17 Line:W-E3 Block:South Puerto Rico LGSP:3829 Complete				
08:18	09:09	Prime L/C	AC_PLC	0.850
Seq: 17 Line: W-E3 Nominal Prime line change.				
09:09	12:21	Prime	AC_PP	3.200
Seq: 18 SOL Seq 18 Line:S-N11 Block:South Puerto Rico FGSP:1001 Hdg:207.1° Prime EOL Seq 18 Line:S-N11 Block:South Puerto Rico LGSP:3306 Complete				
12:21	12:43	Prime L/C	AC_PLC	0.367
Seq: 18 Line: S-N11 Nominal Prime line change.				
12:43	16:00	Prime	AC_PP	3.283

Start	End	Category	Code	Duration (hrs)
Seq: 19 SOL Seq 19 Line:S-N10 Block:South Puerto Rico FGSP:1001 Hdg:200.5° Prime EOL Seq 19 Line:S-N10 Block:South Puerto Rico LGSP:1001 Complete				
16:00	18:15	<div></div> Recovery	DM_RC	2.250
Demobilizing offshore, recovering outboard equipment.				
18:15	19:30	<div></div> Transit From Prospect	DM_TF	1.250
In Transit from prospect to crew transfer location.				
19:30	21:44	<div></div> Field Operations	NC_FO	2.233
Standing by for crew transfer.				

Timing Day By Day (Marcus G Langseth, Hi-Rez)

2-Nov	Hours	% Percent
Acquisition	16.000	66.667
Prime	14.200	59.167
Prime L/C	1.800	7.500
Demobilisation	3.500	14.583
Recovery	2.250	9.375
Transit From Prospect	1.250	5.208
Non-Chargeable StandBy	2.233	9.306
Field Operations	2.233	9.306
Day's Total	21.733	90.556

Timing Breakdown Summary - Project (Marcus G Langseth, Hi-Rez, Source Only)

Category	Hours	% Percent
Mobilisation	61.717	43.544
Deployment	6.850	4.833
Mob Ashore	39.000	27.516
Transit to Prospect	15.867	11.195
Non-Chargeable StandBy	2.233	1.576
Field Operations	2.233	1.576
Acquisition	67.733	47.789
Prime	55.617	39.240
Prime L/C	12.117	8.549
Demobilisation	3.500	2.469
Recovery	2.250	1.587
Transit From Prospect	1.250	0.882
DownTime	6.550	4.621
Streamers	6.550	4.621
Total	141.733	

Basic Project Details

Hi-Rez					
General Details					
Record length:	4000 ms	Sample rate:	0.5 ms	Shotpoint interval:	12.5 m
CoS to CNG:	100 m	Fold Coverage:	0		
Cable Details					

Hi-Rez					
No of Cables:	1	Chans Per Cable:	144	Front Depth:	4 m
Tail Depth:	4 m	Length:	900	Group interval:	6.25 m

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	126.89	454.45	289.66	454.45
Combined	126.89	454.45	289.66	454.45

Production Listing (Accpt Main km by Shotpoint) - Full Fold

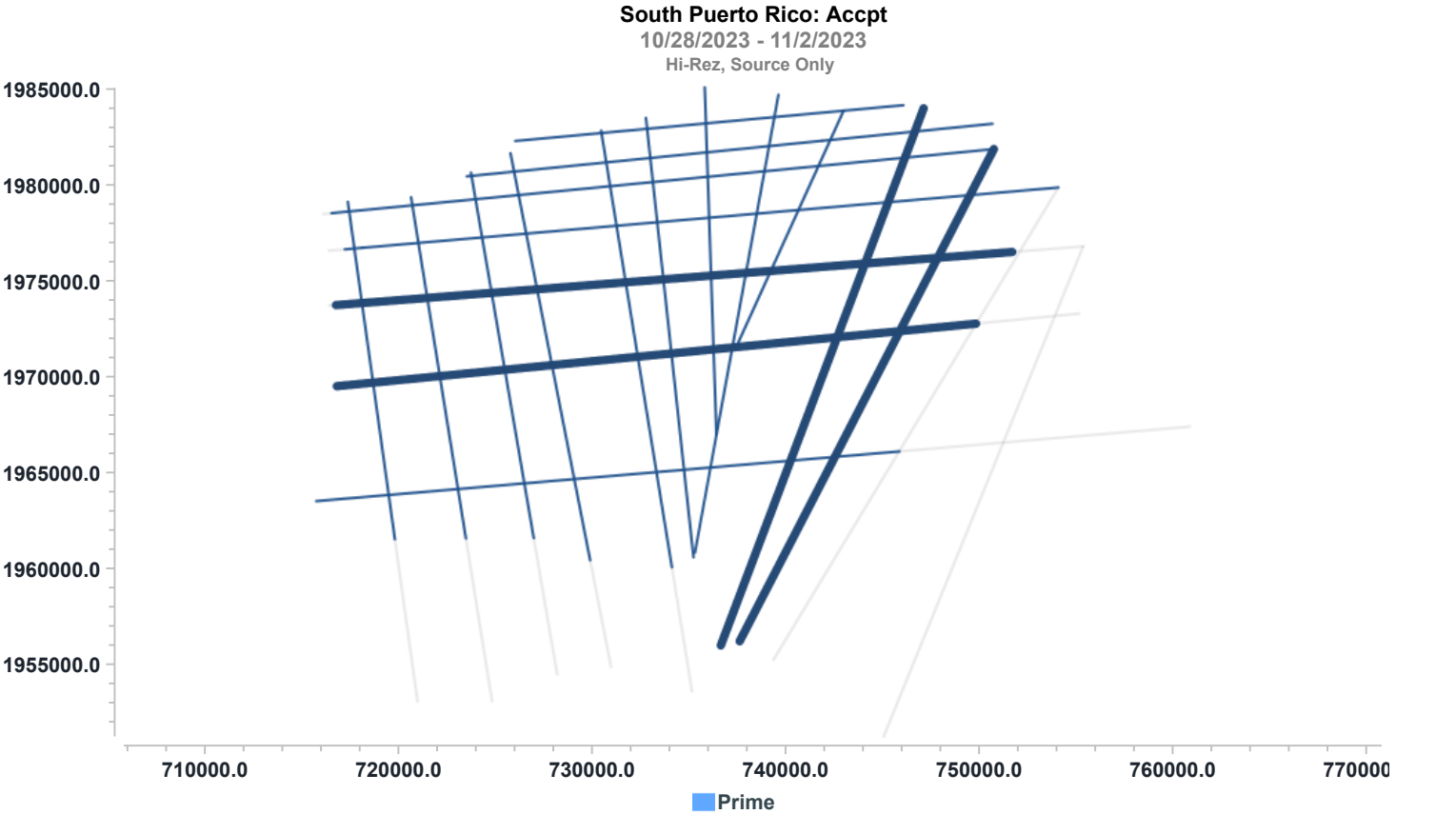
Hi-Rez, Source Only

Seq	Line	Heading	FGSP	LGSP	Prod Type	Production	Ave Knots	Seq Status	Line Status
16	W-E2	264.4	3663	1012	Prime	33.15	4.814	Complete	Complete
17	W-E3	85.5	1029	3829	Prime	35.01	4.725	Complete	Complete
18	S-N11	207.1	1001	3306	Prime	28.83	4.862	Complete	Complete
19	S-N10	200.5	3356	965	Prime	29.90	4.915	Complete	Complete
Total						126.89			

Production Totals (Accpt Main km) - Full Fold

Hi-Rez, Source Only

Accepted km	Day	Week	Month	Project
Prime	126.89	454.45	289.66	454.45
Combined	126.89	454.45	289.66	454.45



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Daily Comment Summaries - Daily Comments On Status of Equipment

Thu 02 Nov

Navigation:

No Major Issues to Report

Information Technology (IT):

No Major Issues to Report

Acquisition (MCS):

No Major Issues to Report

Towing and Handling (Source):

No Major Issues to Report

General Purpose Science:

No Major issues to Report.

Daily Comment Summaries - Personnel Onboard

Thu 02 Nov

Technical Staff On-board the Langseth

Cody Bahlau L-DEO OMO Chief Science Officer
Josh Kasinger L-DEO OMO Chief Source Mechanic
Brian Agee L-DEO OMO Source Mechanic
Gilles Guerin - L-DEO OMO Observer
Koray Ergun.- L-DEO OMO Navigator
Aaron Martin.- Contract Navigator
Mark Walker - Contract Source Mechanic
Ray Hatton - Contract Source Mechanic
Jacon Greenberg - Contract Source Mechanic

PSO Staff On-board the Langseth

Amanda Dubuque - RPS Lead PSO
Cassandra Frey - RPS PSO
Elizabeth Breton - RPS PSO
Tiffany Ramdoo - RPS PSO
Maria Sandoval - RPS PSO










Science Party On-board the Langseth

Uri Ten Brink - Lead PI
Shuoshuo Han - Co-PI
Hanchao Jian - Co-Chief Scientist
William Danforth - Technical staff
Seth Ackerman - Technical staff
Dave Foster - Technical staff
Wayne Baldwin - Technical staff
Nick Harmon - Res. Specialist
Jose-Luis Granaha-Bruna - Professor
Sam Heller - Technical staff
Eric Moore - Technical staff
Charles Babendreier - Student

HSE Events Diary (Marcus G Langseth)

Start	End	Category	Code
17:10	18:10	 Daily HSE Ops Meeting	Mtgs_DOps
HSE - Daily Operation Meeting			

HSE Event Period Totals - Project (Marcus G Langseth)

Category	Code	Day (num)	Week (num)	Month (num)	Project (num)	Proj Hours	Man Hours
 Drills	Drls	0	0	0	2	2.000	
 Abandon Ship Drill	AS	0	0	0	1	1.000	
 Fire Drill	Fi	0	0	0	1	1.000	
 Meetings	Mtgs	1	5	2	6	5.000	
 Daily HSE Ops Meeting	DOps	1	4	2	4	4.000	
 Departmental Meeting	Dept	0	0	0	1	1.000	
 Toolbox Meetings	Tbox	0	1	0	1		
 Training	Trng	0	0	0	1	1.000	
 Vessel Induction Tours	VIT	0	0	0	1	1.000	