Geometry 1
WP2

SIO Portable Marine Seismic System
Cruise: RR1313
Vessel: R/V Roger Revelle
Date: Sept 2013
Chief Sci: Yair Rosenthal

Section | Length (m) | Number of Channels
--- | --- | ---
Towing Cables | 75 | 
Active Sections | 600 | 48
Tail Stretch and Rope | 75 | 
Group Int | 12.5 | 

Bird Locations (Streamer, GPS Ref Plate)

- **Bird 1**: Start of Tow Stretch, (86x, 5.4y)
- **Bird 2**: Start of Ch 17 (Active 3), (311x, 5.4y)
- **Bird 3**: Start of Ch 33 (Active 5), (511x, 5.4y)
- **Bird 4**: Start of Tail Stretch, (711x, 5.4y)

**FOLD =**
No. Traces * Grp. Int
2*(Shot Interval)

**Source:**
- **Qty:** 2
- **Acq. Sys:** GeoEel
- **PreAmp Gain:** 18 db
- **Sample Int:** 1 ms
- **# of Channels:** 48
- **File Format:** SEG/D 8058 Rev 1
- **Rec. Length:** 8 sec

**GPS**
- **36.00 m**

**Notes:**
Set Yale Grip at 45m on Tow Leader

* Not drawn to Scale
SIO Portable Mar Seismic System
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Geometry 1

<table>
<thead>
<tr>
<th>Channel</th>
<th>Distance (m) from Stern</th>
<th>Distance (m) from Source</th>
<th>Distance (m) From GPS</th>
<th>Distance (m) off Ref Plate</th>
<th>Depth/Height from water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>81.25</td>
<td>56.25</td>
<td>117.25</td>
<td>5.4 (stbd)</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>668.75</td>
<td>643.75</td>
<td>704.75</td>
<td>5.4 (stbd)</td>
<td></td>
</tr>
</tbody>
</table>

Source 25 0 61 9.3 (port) 2
GPS 36 61 0 0 0

FOLD = 
No. Traces * Grp. Int
2*(Shot Interval)

Bird Locations (Streamer, GPS Ref Plate)

Bird 1 Start of Tow Stretch, (86x, 5.4y)
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**SIO Portable Mar Seismic System**
**Cruise:** RR1313  
**Vessel:** R/V Roger Revelle  
**Date:** Sept 2013  
**Chief Sci:** Yair Rosenthal  
**Techs:** Lee Ellett  
Jay Turnbull

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<td>668.75</td>
<td>643.75</td>
<td>704.75</td>
<td>5.4 (stbd)</td>
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<tr>
<td>Source</td>
<td>25</td>
<td>0</td>
<td>61</td>
<td>9.3 (port)</td>
<td></td>
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<tr>
<td>GPS</td>
<td>36</td>
<td>61</td>
<td>0</td>
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*Not drawn to Scale*
# SIO Portable Marine Seismic System

**Cruise:** RR1313  
**Vessel:** R/V Roger Revelle  
**Date:** Sept 2013  
**Chief Sci:** Yair Rosenthal  
**Techs:**  
Lee Ellett  
Jay Turnbull

## Geometry

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<td></td>
<td>36</td>
<td>61</td>
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<td>2</td>
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</table>

## Section Lengths

<table>
<thead>
<tr>
<th>Section</th>
<th>Length (m)</th>
<th>Number of Channels</th>
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</thead>
<tbody>
<tr>
<td>Towing Cables</td>
<td>75</td>
<td>48</td>
</tr>
<tr>
<td>Active Sections</td>
<td>600</td>
<td>48</td>
</tr>
<tr>
<td>Tail Stretch and Rope</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>Group Int</td>
<td>12.5</td>
<td></td>
</tr>
</tbody>
</table>

## Bird Locations (Streamer, GPS Ref Plate)

- **Bird 1**  
  Start of Tow Stretch, (86x, 5.4y)
- **Bird 2**  
  Start of Ch17 (Active 3), (311x, 5.4y)
- **Bird 3**  
  Start of Ch 33 (Active 5), (511x, 5.4y)
- **Bird 4**  
  Start of Tail Stretch, (711x, 5.4y)

## Technical Details

- **Source:** Gl gun 45/105 True Gl  
  **Qty:** 2
- **Acq. Sys:** GeoEel  
  **PreAmp Gain:** 18 db
- **Sample Int:** 1 ms  
  **# of Channels:** 48
- **File Format:** SEG D 8058 Rev 1
- **Rec. Length:** 5 sec  
  **Shot Interval:** 2

## Diagram

- **FOLD =**
  \[
  \text{No. Traces} \times \text{Grp. Int} \\
  2^*(\text{Shot Interval})
  \]

- **GPS**
  - 36.00 m

- **Source**
  - 25 m

- **Notes:**
  - Set Yale Grip at 45m on Tow Leader

*Not drawn to Scale*
SIO Portable Marine Seismic System
Cruise: RR1313
Vessel: R/V Roger Revelle
Date: Sept 2013
Chief Sci: Yair Rosenthal

Tows:
Lee Ellett
Jay Turnbull

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Source

GPS

Acq. Sys.: GeoEli... PreAmp Gain: 18 db
Sample Int: 1 ms   # of Channels: 48
File Format: SEG D 8058 Rev 1
Rec. Length: 5 sec Shot Interval: 12.5

FOLD = No. Traces * Grp. Int

2*(Shot Interval)

Source:

Towing Cables 75
Active Sections 600
Tail Stretch and Rope 75

Bird Locations (Streamer, GPS Ref Plate)

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SIO Portable Marine Seismic System
Cruise: RR131
Vessel: R/V Roger Revelle
Date: Sept 2013
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Geometry
(Bunham
(aka WP13)

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Source | 25 | 61 | 9.3 (port) | 2
GPS    | 36 | 61 | 0           | 0

Section | Length (m) | Number of Channels |
--------|------------|--------------------|
Towing Cables | 75         |                   |
Active Sections | 600         | 48                |
Tail Stretch and Rope | 75         |                   |
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