

OFFSHORE DATA MARKETING

1. OFFSHORE 2D SEISMIC: UR07, UR08 Y UR11

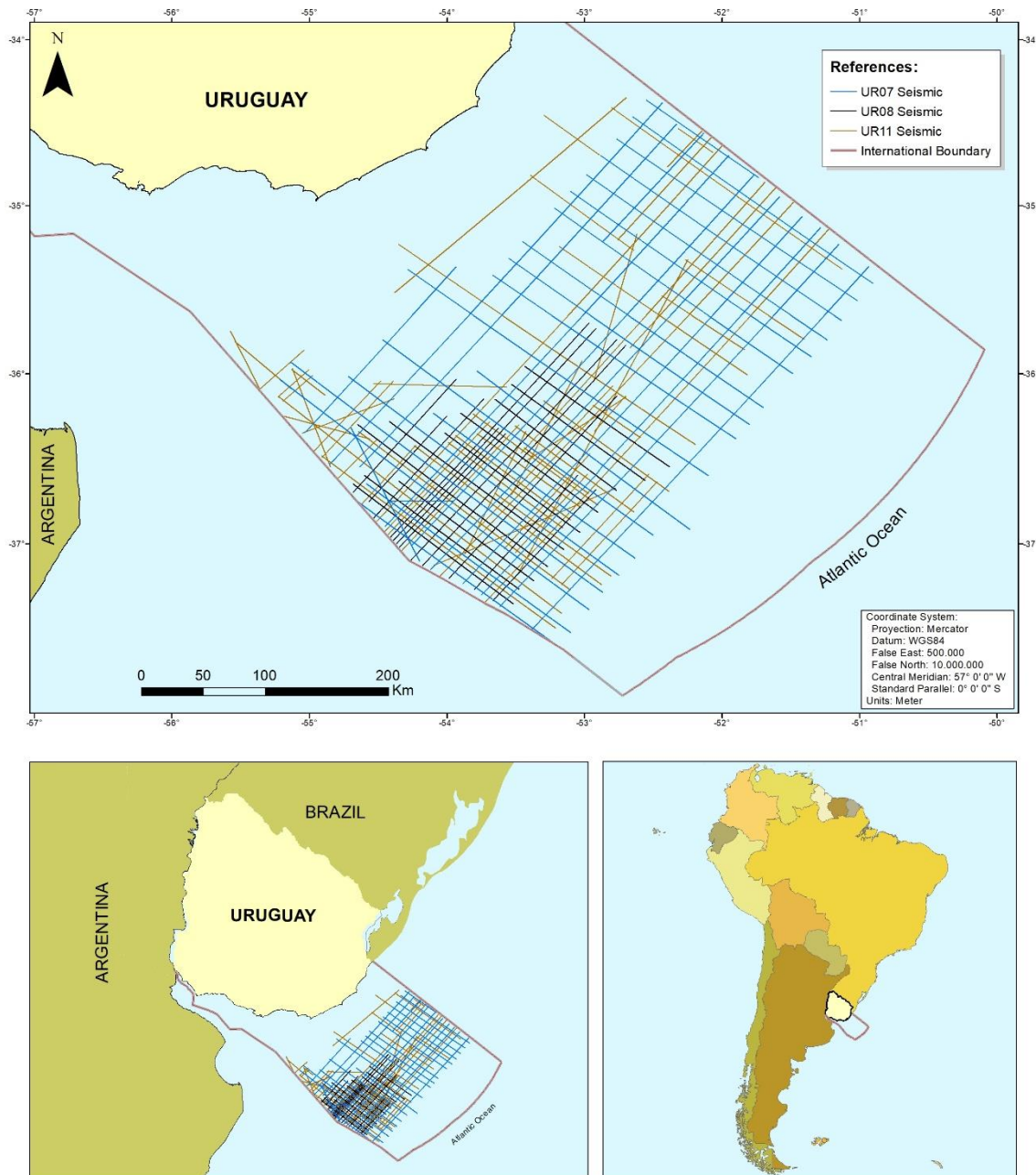


Figure 1: UR07, UR08 and UR11 Seismic

SURVEY UR07	SURVEY UR08	SURVEY UR11
Size: 6,991 Km Full Fold	Size: 2,817 Km Full Fold	Size: 6,294 Km Full Fold
Acquisition Company: Wavefield Inseis	Acquisition Company: Wavefield Inseis	Acquisition Company: Reflect Geophysical
Processed by: Geotrace	Processed by: Geotrace	Processed by: WesternGeco
<u>ACQUISITION PARAMETERS</u>	<u>ACQUISITION PARAMETERS</u>	<u>ACQUISITION PARAMETERS</u>
Vessel: BERGEN SURVEYOR	Vessel: AKADEMIK SHATSKIY	Vessel: R/V REFLECT ARIES
Streamer: 8,000m @ 8m +/- 1m Numbers of groups: 640 Group Interval: 12.5m	Streamer: 8,100m @ 8m +/- 1m Numbers of groups: 640 Group Interval: 12.5m	Streamer: 8,100m @ 8m +/- 1m Numbers of groups: 648 Group Interval: 12.5m
Energy Source:	Energy Source:	Energy Source:
Type: Airgun Nominal air pressure: 2,000 psi Volume: 4,400 cu.in Source depth: 6m SP int.: 25m/37.5m	Type: Airgun Nominal air pressure: 2,000 psi Volume: 5,015 cu.in Source depth: 6m SP int.: 25m	Type: Airgun Nominal air pressure: 2,000 psi Volume: 3,400 cu.in Source depth: 6 m SP int.: 25m/37.5m
Data recording:	Data recording:	Data recording:
Instrument: Sercel Seal Recording length: 10 sec Sample rate: 2 ms	Instrument: Sercel Seal Recording length: 10 sec Sample rate: 2 ms	Instrument: Sercel Seal Recording length: 8 – 10 sec Sample rate: 2 ms
<u>PROCESSING</u>	<u>PROCESSING</u>	<u>PROCESSING</u>
Kirchhoff Pre-Stack Time Migration	Kirchhoff Pre-Stack Time Migration	Kirchhoff Pre-Stack Time Migration Kirchhoff Pre-Stack Depth Migration

Table 1: Acquisition parameters and processing type corresponding to the 2D seismic surveys: UR07, UR08 and UR11

DELIVERABLES
<ul style="list-style-type: none"> • Navigation data & maps • Mag&Grav raw and processed data • Final PSTM and PSDM SGY files • Stacking velocity files

Table 2: Deliverables corresponding to the 2D seismic surveys: UR07, UR08 and UR11

2. OFFSHORE 2D SEISMIC: UR12 (UruguaySPAN)

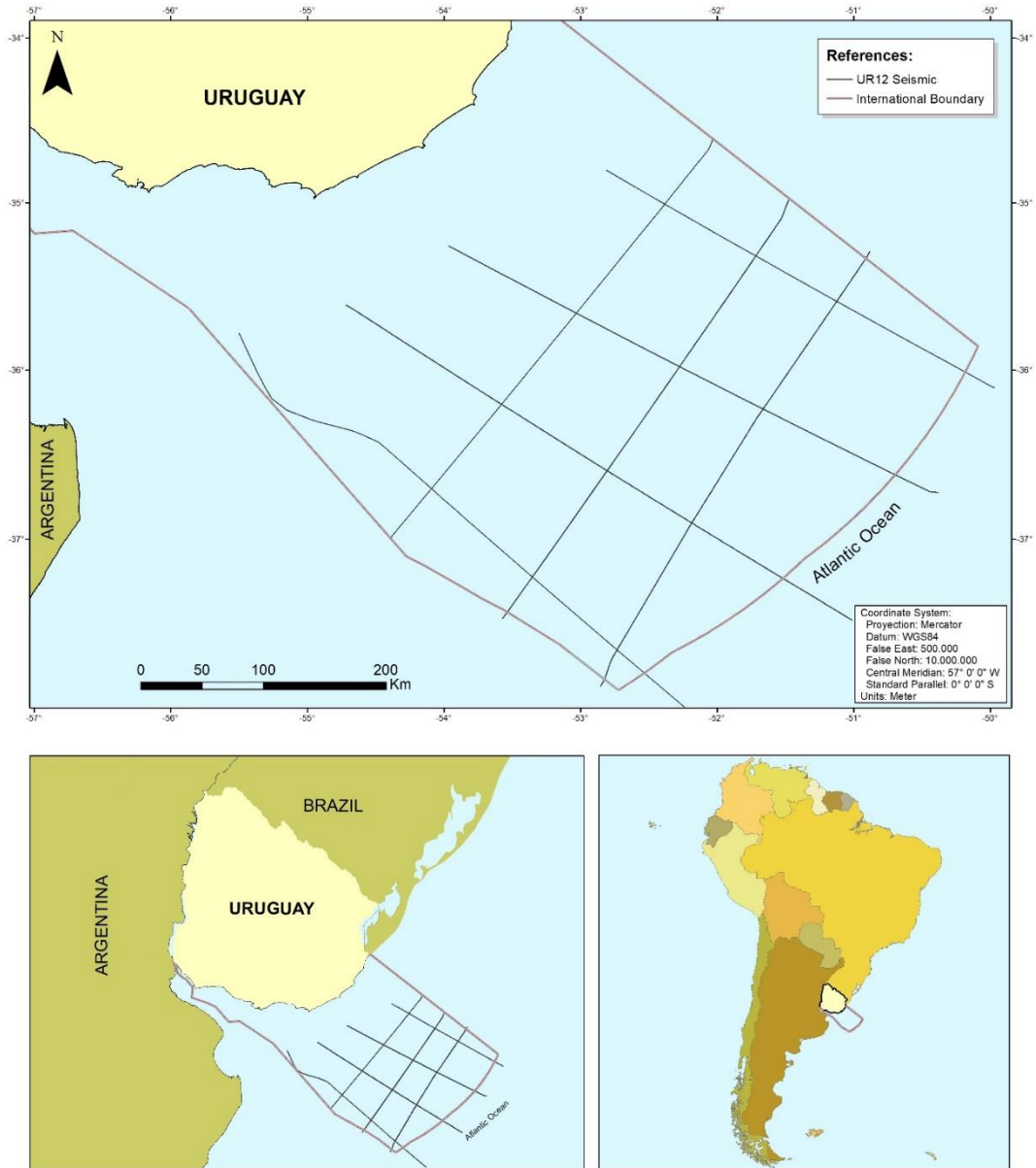


Figure 2: UR12 Seismic

SURVEY UR12 (UruguaySPAN)	DELIVERABLES
<p>Size: 2,739.2 Km Full Fold</p> <p>Acquisition Company: GXT-ION</p> <p>Reprocessed by: GXT-ION</p> <p><u>ACQUISITION PARAMETERS</u></p> <p>Vessel: M/V Discoverer</p> <p>Streamer: Solid, 10,200m @ 9.5m ± 1m Numbers of groups: 408 Group Interval: 25m</p> <p>Energy Source: Type: Airgun Nominal air pressure: 2,000 psi Volume: 6,420 cu.in Source depth: 8.5m ± 1m SP int.: 50m</p> <p>Data recording: Instrument: Sercel Seal 428 Recording length: 18 sec Sample rate: 2 ms</p> <p><u>PROCESSING</u></p> <p>Kirchhoff Pre-Stack Time Migration (reprocessed in 2016) Kirchhoff Pre-Stack Depth Migration (reprocessed in 2016)</p>	<ul style="list-style-type: none"> • Acquisition Report • Navigation data & maps • Mag&Grav raw and processed data • Seismic Processing Report • Interpretation Report • Interpreted horizons and faults. <ul style="list-style-type: none"> • Final PSTM and PSDM SGY files • PSDM and PSTM Anglestacks (in SGY format): <ul style="list-style-type: none"> ○ Near: 5° to 15° ○ Mid: 15° to 25° ○ Far: 25° to 35° ○ Ultrafar: 35° to 45° ○ Full: 5° to 35° • PSDM Depth-Interval Velocity Model • PSTM Interval Velocity Model • Others, such as RMO Kirchhoff PSDM and PSTM Gathers, and NAVMERGE SP Gathers may be available upon request from the client (*).

Table 3: Acquisition parameters, type of processing and deliverables corresponding to the 2D seismic survey UR12 (UruguaySPAN)

3. OFFSHORE 3D SEISMIC: TO12_3D

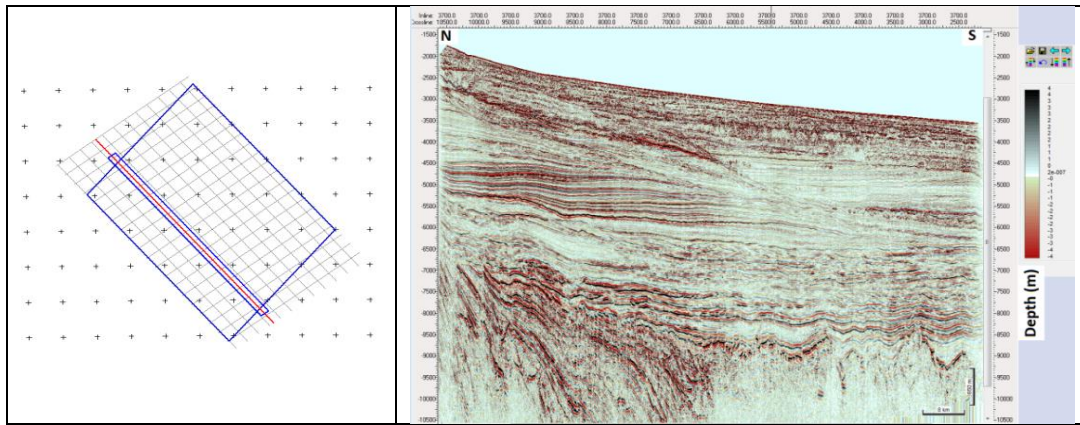


Figure 3: Example of a seismic section from the TO12_3D survey

SURVEY TO12_3D	DELIVERABLES
<p>Size: 7,145 Full Fold Km²</p> <p>Acquisition Company: Western Geco between 2012 and 2014.</p> <p>Processed by: Schlumberger Geosolutions and TOTAL between 2013 and 2014.</p> <p><u>ACQUISITION PARAMETERS</u></p> <p>Vessels: M/V WG Tasman - M/V WG Regent</p> <p>Streamers: Length: 12x8,000 m @ 9 +/- 1 m (Tasman) 10x8,000 m @ 9 +/- 1 m (Regent) Separation between streamers: 100 m Numbers of groups: 2560 per streamer Group Interval: 3.125 m</p> <p>Energy Source: Type: Airgun Nominal air pressure: 2,000 psi Volume: 2x5,085 cu.in Source depth: 6 m SP int.: 25 m</p> <p>Data recording: Recording System: TRIACQ V/Omega DGF Recording length: 10.240 s Sample rate: 2 ms</p> <p><u>PROCESSING</u></p> <p>Kirchhoff TTI Pre-Stack Depth Migration</p>	<ul style="list-style-type: none"> • Acquisition Report • Processing Reports (Schlumberger and Total) • Navigation data • Final PSDM cube (in SGY format) • Final PSDM cube stretched to Time (in SGY format) • PSDM Anglestacks (in SGY format): <ul style="list-style-type: none"> ○ Near: 4° to 14° ○ Mid: 14° to 24° ○ Far: 24° to 34° ○ Ultrafar1: 34° to 44° ○ Ultrafar2: 39° to 49° • Velocity cubes (in SGY format) • Others, such as Gathers, may be available upon request from the client.

Table 4: Acquisition parameters, type of processing and deliverables corresponding to the 3D seismic survey TO12_3D

4. OFFSHORE 3D SEISMIC: BG12 3D

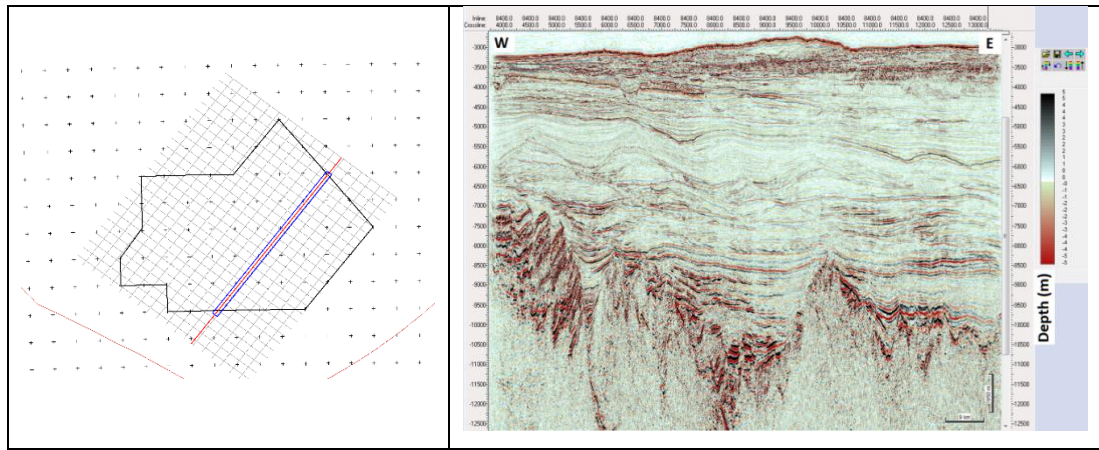


Figure 4: Example of a seismic section from the BG12_3D survey

SURVEY BG12_3D	DELIVERABLES
<p>Size: 13,306.3 Full Fold Km²</p> <p>Acquisition Company: Polarcus between 2012 and 2014.</p> <p>Processed by: PGS Geophysical between 2013 and 2014.</p> <p><u>ACQUISITION PARAMETERS</u></p> <p>Vessel: M/V Polarcus Amani</p> <p>Streamers: Length: 10x6,000 m @ 9 +/- 1 m Separation between streamers: 125 m Numbers of groups: 480 per streamer Group Interval: 12.5 m</p> <p>Energy Source: Type: Airgun Nominal air pressure: 2,000 psi Volume: 2x4,240 cu.in Source depth: 8 m SP int.: 25 m</p> <p>Data recording: Recording System: SEAL-428 Recording length: 10.050 s Sample rate: 2 ms</p> <p><u>PROCESSING</u></p> <p>VTI PGS hyperBeam Velocity Model Building and Depth Imaging with Kirchhoff Pre-Stack Depth Migration</p>	<ul style="list-style-type: none"> • Acquisition Report • Navigation data • Processing Report • Final PSDM cube (in SGY format) • PSDM Anglestacks (in SGY format): <ul style="list-style-type: none"> ○ Near: 5° to 14° ○ Mid: 15° to 24° ○ Far: 25° to 34° ○ Far Far: 35° to 44° • Final PSDM migration velocity cube (in SGY format) • Others, such as Gathers, may be available upon request from the client.

Table 5: Acquisition parameters, type of processing and deliverables corresponding to the 3D seismic survey BG12_3D

5. OFFSHORE 3D SEISMIC: YF13_3D

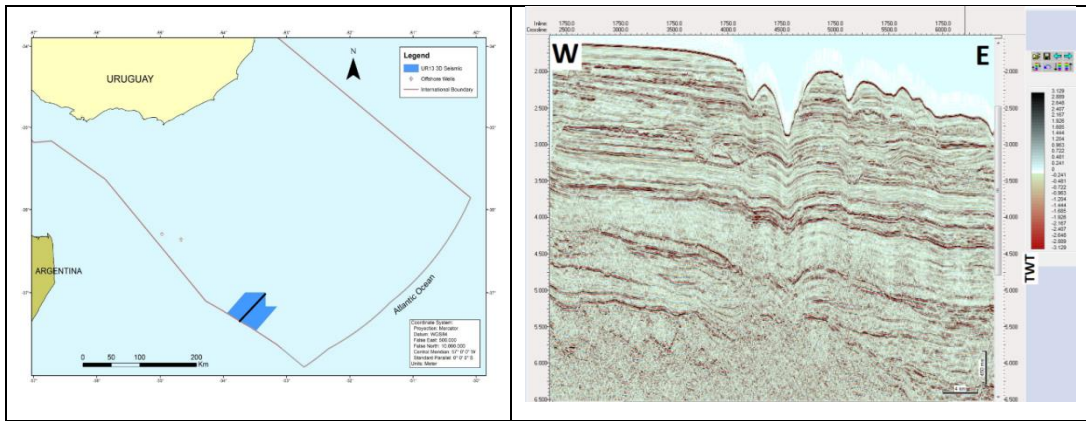


Figure 5: Example of a seismic section from the YF13_3D survey

SURVEY YF13_3D	DELIVERABLES
<p>Size: 2,082 Full Fold Km²</p> <p>Acquisition Company: WesternGeco in 2013.</p> <p>Processed by: WesternGeco between 2013 and 2014.</p> <p><u>ACQUISITION PARAMETERS</u></p> <p>Vessel: GECO TRITON</p> <p>Streamers: Length: 10x7,000 m @ 9 +/- 1 m Separation between streamers: 120 m Numbers of groups: 560 per streamer Group Interval: 12.5 m</p> <p>Energy Source: Type: Airgun Nominal air pressure: 2,000 psi Volume: 2x5,085 cu.in Source depth: 7 m SP int.: 25 m</p> <p>Data recording: Instrument: TRIACQ V and Omega-DGF Recording length: 9.728 s Sample rate: 2 ms</p> <p><u>PROCESSING</u></p> <p>Pre-Stack Time Kirchhoff Migration</p>	<ul style="list-style-type: none"> • Acquisition Report • Navigation data • Processing Report • Final PSTM cube (in SGY format) • PSTM Anglestacks (in SGY format): <ul style="list-style-type: none"> ○ Near: 0° to 11° ○ Mid: 10° to 21° ○ Far: 20° to 31° ○ Far Far: 30° to 41° • Final PSTM Stacking velocity cube (in SGY format): • Others, such as Gathers, may be available upon request from the client.

Table 6: Acquisition parameters, type of processing and deliverables corresponding to the 3D seismic survey YF13_3D

6. OFFSHORE 3D SEISMIC: TU17_3D

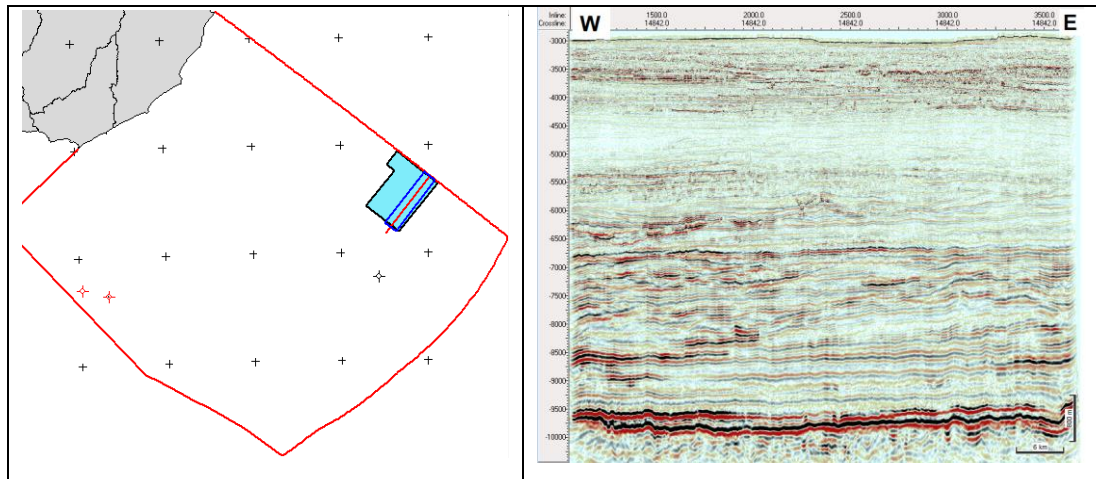


Figure 6: Example of a seismic section from the TU17_3D survey

SURVEY TU17_3D	DELIVERABLES
<p>Size: 2,533 Full Fold Km²</p> <p>Acquisition Company: Polarcus in 2017.</p> <p>Processed by: WesternGeco between 2017 and 2018.</p> <p><u>ACQUISITION PARAMETERS</u></p> <p>Vessel: Polarcus Alima</p> <p>Streamers: Length: 12x8,100 m @ 12 m Separation between streamers: 100 m Numbers of groups: 648 per streamer Group Interval: 12.5 m</p> <p>Energy Source: Type: Airgun Nominal air pressure: 2,000 psi Volume: 2x4,240 cu.in Source depth: 6 m SP int.: 25 m</p> <p>Data recording: Recording System: SEAL-428 Recording length: 10.200 s Sample rate: 2 ms</p> <p><u>PROCESSING</u></p> <p>Kirchhoff TTI Pre-Stack Depth Migration</p>	<ul style="list-style-type: none"> • Acquisition Report • Navigation data • Processing Report (Schlumberger) • Final PSDM cube (in SGY format) • Final PSDM cube stretched to Time (in SGY format) • PSDM Anglestacks (in SGY format): <ul style="list-style-type: none"> ○ Near: 5° to 15° ○ Mid: 15° to 25° ○ Far: 25° to 35° ○ Ultrafar: 35° to 45° • AVO intercept and gradient (in SGY format) • Velocity cubes (in SGY format) • Others, such as Gathers, may be available upon request from the client.

Table 7: Acquisition parameters, type of processing and deliverables corresponding to the 3D seismic survey TU17_3D

7. OFFSHORE 3D ELECTROMAGNETISM

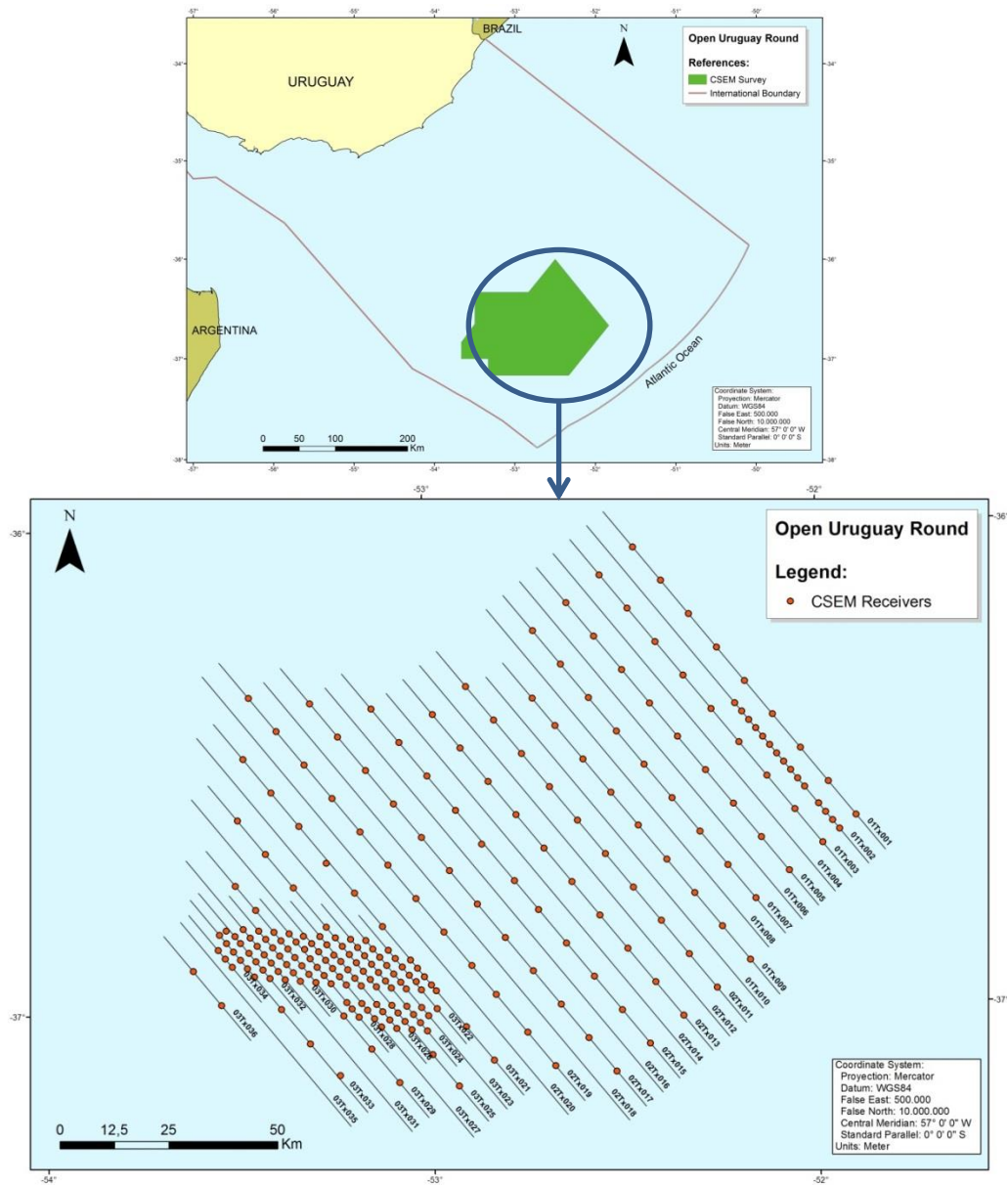


Figure 7: Surface covered by 3D electromagnetism acquired by EMGS

SURVEY CSEM_3D	DELIVERABLES
<p>Size: 13,080 Km²</p> <p>Acquisition Company: EMGS between 2014 and 2015.</p> <p>Processed by: EMGS</p> <p><u>ACQUISITION PARAMETERS</u></p> <p>Vessel: EM Leader</p> <p>3 Survey Layout Sheets</p> <ul style="list-style-type: none"> • SLS01: 01Tx001 to 01Tx010 • SLS02: 02Tx011 to 02Tx020 • SLS03: 03Tx021 to 03Tx036 <p>Sources and receivers:</p> <p>10 Km receiver spacing and 5 Km source spacing Infill located in the west: 2.5 Km receiver and source spacing One short denser line (line 01Tx002), with a 2.5 Km receiver spacing Total number of receivers: 274</p> <p>Source parameters:</p> <p>Frequencies: 0.125, 0.25, 0.375, 0.625, 0.75, 1.125, 1.375, 1.75, 1.875, 2.25, 3.25 Hz (base frequency of 0.125 Hz) Tow speed: 2.0 knots Current: 1200 A</p>	<ul style="list-style-type: none"> • Processed CSEM data • Inversion Report • Integrated Interpretation Report • MMT data previously acquired for CSEM survey design • Other relevant reports and information • Raw data may be available upon request from the client.

Table 8: Acquisition parameters and deliverables corresponding to CSEM data

8. RAYA X-1 EXPLORATORY WELL DATAPACKAGE

The Raya X-1 well Datapackage contains the following well logs:

- Wireline logs for the final section of the well, in LAS and PDF format:
 - Caliper, GR and spectral GR, Density, Neutron, Resistivity, Sonic, MDTs.
- LWD logs in LAS and PDF format:
 - Caliper, GR, Resistivity, Sonic.

Additionally, the following documents are included:

- Mudlogging logs and reports.
- Reports of formation fluids analyses.
- Reports of geochemical analyses.
- Mineralogy reports of cuttings analyses.
- Reports of biostratigraphic analyses of cuttings.
- Final geological report.
- Final drilling report.

9. GRAV&MAG DATAPACKAGE

Gravimetric and magnetometric data acquired during:

- 2D seismic surveys UR07, UR08, UR11 and UR12, and
- 3D seismic survey TO12_3D

Includes:

- Grav & Mag data, both raw and processed
- Other related data and information (such as maps, acquisition and processing reports)

10.GEOCHEMISTRY, BIOESTRATIGRAPHY & HEATFLOW DATAPACKAGE

This datapackage contains the data, analyses, and reports corresponding to two seabed sampling surveys conducted in 2014 offshore Uruguay, at depths ranging from 300 to 3500 meters. One of the campaigns, conducted by BG, consisted of the analysis of 554 samples corresponding to 195 seabed cores and the measurement of heat flow at 13 stations. The other campaign, conducted by TOTAL, consisted of the analysis of 149 samples corresponding to 50 seabed cores and the measurement of heat flow at 15 stations.

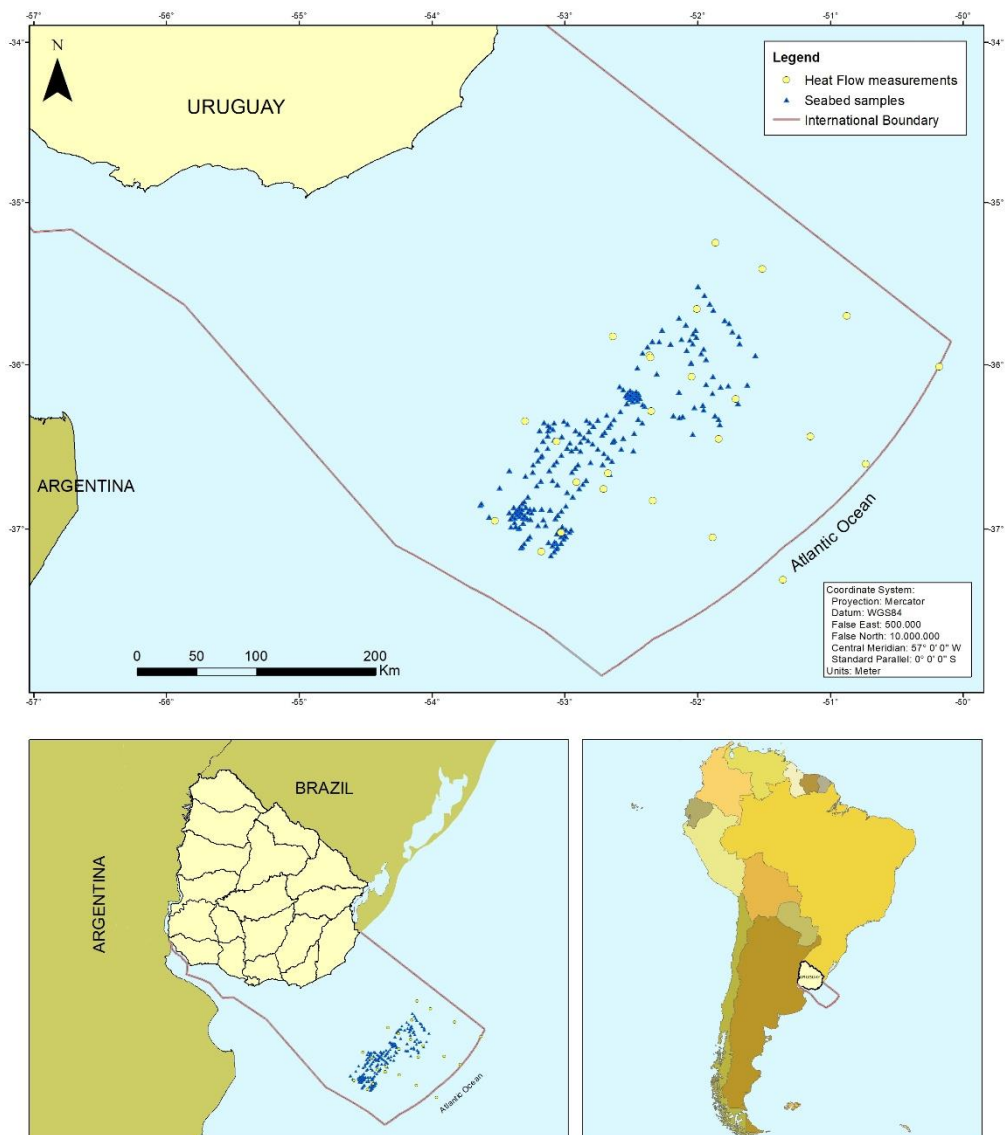


Figure 8: Location of heat flow stations and seabed samples

- Geochemistry:
 - Standard Surface Geochemistry and Microseepage Reports (PDF)
 - Spreadsheets and plots with geochemical analyses results (xlsx)
 - Histograms and Chromatograms (PDF)
 - Report on fluid inclusions in the Lobo X-1 and Gaviotín X-1 wells, including stratigraphy, petrography, API gravity studies, and petroleum biomarker analysis conducted by FIT. The deliverables are as follows:
 - Individual well reports on FIS results (distribution and type of petroleum, seals, etc.)
 - Fluid inclusion temperature data, API gravity, and salinity data for each well, based on FIS data
 - Integration of FIS data with a detailed analysis of the implications for exploration and production in the study area
 - Digital files of all data and reports

- Heatflow:
 - Heat Flow Reports (PDF)
 - Raw and processed Heat Flow data

- Biostratigraphy:
 - Biostratigraphy reports (PDF)

11.PRICES AND PURCHASE OPTIONS

Product	Price
2D Seismic data	
UR07, UR08, UR11	100 USD/km
UR12 (UruguaySPAN)	500 USD/km
2D Seismic data – Complete surveys	
Complete survey UR07	USD 600.000
Complete survey UR08	USD 250.000
Complete survey UR11	USD 550.000
Complete survey UR12	USD 1.000.000
Complete surveys UR07+UR08+UR11	USD 1.250.000
Complete surveys UR07+UR08+UR11+UR12	USD 2.000.000
3D Seismic data	
YF13, TO12, BG12, TU17	250 USD/Km ²
3D Seismic data – Complete volumes	
Total volume YF13_3D	USD 400,000
Total volume TO12_3D	USD 1,700,000
Total volume BG12_3D	USD 2,900,000
Total volume TU17_3D	USD 550,000
3D Electromagnetism data	USD 250,000
Grav & Mag Datapackage	USD 100.000
Raya X-1 Exploratory Well Datapackage	USD 50,000
Geochemistry, Bioestratigraphy & Heatflow Datapackage	USD 250,000
Purchase Options	
In case of acquiring offshore data for an amount exceeding USD 500,000, the “Raya X-1 Exploratory Well Datapackage” will be delivered free of charge.	
In case of acquiring offshore data for an amount exceeding USD 2,000,000, the “Raya X-1 Exploratory Well Datapackage” and the “Geochemistry, bioestratigraphy & heatflow Datapackage” will be delivered free of charge.	

Notes:

- All logistics (including courier), copying and data management costs should be covered and carried out by the company licensing the data
- For logistic purposes, please note that the field and processed data are available at ANCAP’s headquarters in Montevideo
- ANCAP can only provide copy of complete 2D lines and full 3D processed seismic volumes
- For the purchase of partial 3D surveys, costs associated to cropping the 3D data must be covered by the licensee