Aurora 3D GeoStreamer®

True broadband data acquired in the Caswell Sub-basin and Yampi Shelf of the Browse Basin

To produce a single continuous 3D GeoStreamer volume over the Browse Basin, from the depocentre of the gas-dominated Caswell Sub-basin to the oil-bearing Yampi Shelf area, while utilizing the latest acquisition, processing and imaging techniques.

The basin major prospective fairways lie within the Early-Middle Jurassic extensional phase, and the Late Jurassic-Cenozoic thermal subsidence phase.

True broadband Dual sensor 3D seismic data with pre-stack AVO/AVA fidelity.
### Survey Summary

**Type:** 3D  
**Geostreamer:** Yes  
**Geometry:** Standard  
**Size:** 7,719 sq. km  
**Acquisition year:** 2011  
**Completion of processing:** 2012  
**Water depth:** 80-300 m  
**Shooting direction:** North - South  
**Vessel:** Ramform Explorer

### Acquisition Parameters

- **Number of streamers:** 10  
- **Streamer length:** 6,000 m  
- **Streamer separation:** 100 m  
- **Shot interval:** 25 m  
- **Record length:** 7,168 ms  
- **Source depth:** 6 m  
- **Sample rate:** 2 ms

### Processing and Deliverables

**Processing:** 2D surface related multiple elimination (SRME), High resolution radon demultiple, XT / Tau-P Deconvolution, Kirchhoff prestack time migration (PSTM)

**Time products:** Angle stack near, Angle stack mid, Angle stack far, PSTM gathers, Stacking velocity, Migration velocity, Final post-stack time migration, Angle stack u-far

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High fidelity GeoStreamer imaging illustrating high signal to noise and low-frequency signal preservation

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