ANG Kwanza 3D GeoStreamer®

26 400 sq. km of GeoStreamer data to support the exploration of Kwanza and Benguela Basins

This high quality 3D dataset in the prospective Angola offshore area provides excellent imaging of presalt structures and sediments.

Explore a detailed image of the presalt basement, syn-rift, and sag-phase sediments. Ideal for prospect identification and analysis, and enabling direct comparisons with the presalt of the prolific Brazilian margin.
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**SURVEY SUMMARY**
- **Type:** 3D
- **Geostreamer:** Yes
- **Geometry:** Standard
- **Size:** 26 300 sq. km
- **Acquisition year:** 2012
- **Completion of processing:** 2014
- **Water depth:** 200 - 3 000 m
- **Shooting direction:** 180/360
- **Vessels:** Ramform Valiant, PGS Apollo
- **In partnership with:** Sonangol

**ACQUISITION PARAMETERS**
- **Number of streamers:** 10
- **Streamer length:** 8 100 m
- **Streamer separation:** 100 m
- **Shot interval:** 25 m
- **Record length:** 10 000 ms
- **Source depth:** 8 m
- **Sample rate:** 2 ms
- **Bin dimensions (Acquisition):** 6.25 x 25 m
- **Bin dimensions (Processing):** 12.5 x 12.5 m
- **Fold:** 81

**PROCESSING AND DELIVERABLES**
- **Processing:** P-UP generation, 3D surface related multiple elimination (SRME), High resolution radon demultiple, Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM), Beam depth migration

**Depth products:** Final Kirchhoff PSDM stack, Final beam PSDM stack, PSDM gathers, Velocity model, Angle Stacks, Final WEM PSDM Stack (Blk 25 & 40), Final MAZ PSDM Stack (Blk 24)

**Time products:** Final post-stack time migration, PSTM gathers, Angle Stacks

**Additional products:** Gravity, Magnetics

Example dip line taken through the Kwanza MC3D GeoStreamer dataset showing significant presalt and postsalt prospectivity

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