

**Daily Positioning Equipment Status. MV Orient Explorer. 26 October 2005.  
Report 06A. 1640 hrs**

Frank, you asked me to advise daily of positioning equipment performance  
Below a subject which relates to the streamer compasses, and their  
performance.

***Magnetic Anomalies.***

It is early days, but it appears there is a magnetic anomaly across the survey  
area.

Initially I brought it to the attention of the onboard nav. dept (see status report  
No 03)

The examples below gives an indication of all compass streamer rotation data  
reviewed to date..

Seq 20 Line Azimuth 308 deg.

The magnitude of the streamer rotation angle at SolL around 0.4 deg. there is  
a linear fall off to the end of line to minus 0.4 deg, passing through zero  
around the centre of the line.

Lines Azimuth 128deg the magnitude of the streamer rotation is generally  
slightly less.

I inspected the Admiralty chart for the area, and noted a warning "Local  
Magnetic Anomaly" scribed close to the project area.

I scanned the Australian Pilot. The pilot stated that local survey results show  
significant anomalies between Birnie & Ullveston at position S 41.00 E  
146.15deg. due south of the project

Finally, there is a submarine power cable running approx S-N close to the  
west edge of the prospect area.

I am sure this plays no part in the above.

We obviously will have a better idea of the anomaly as the survey progresses,  
but it will have an affect on streamer positioning as seen by the above rotation  
angles recorded.

