

Daily Positioning Equipment Status. MV Orient Explorer. 28 October 2005. Report 08.  
21.10hrs

**1. SIPS 1. Acoustics**

1. Comments : A total change from the previous period. Calm seas, and therefore good quality acoustic data.

**2. 5000 Series Streamer Compass Birds**

<b>Strm1</b>	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
<b>Faulty</b>																		
<b>Strm2</b>	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
<b>Faulty</b>																		
<b>Strm3</b>	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
<b>Faulty</b>																		
<b>Strm4</b>	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
<b>Faulty</b>																		

2. Comments : As acoustic comments.

**3. rGPS Units Source.**

**rGPS Tailbuoy units**

	G2R5	G2R3	G2R1	G1R5	G1R3	G1R1	TB 1	TB 2	TB 3	TB 4
<b>Faulty</b>										

3. Comments : Satisfactory

**4. dGPS**

**Reference Stations .**

<b>Unit</b>	SkyFix	StarFix	Melbourne	Bathurst	Cobar	Ceduna	Brisbane
<b>Faulty</b>							

4. Comments: Satisfactory

**5. Other Positioning Aids**

<b>Unit</b>	Sprint	Spectra	Robtrack	E/S	Sp Log	Seapath	C-Plath
<b>Faulty</b>							

5. Comments: Satisfactory

T/S Dip. @ 8m 1504.37m-s Thru' the column 1503.85 m-s  
Battery change T/buoy 1. Compass/bird changes in the period

P1 comparisons to Seq. 25 inclusive. FGPS net adjust to Seq 27 inclusive.  
Seq 25 magnitude of difference greater than the norm on Mid & Far receiver groups  
this d/t very noisy compasses, and more work by Sprint processor on the data.  
Vessel, source, & tail comparisons magnitude of difference – as the norm.  
After a full review of data with the Nav dept, Seq. 23 was accepted.

The bathy data shows a reasonably flat sea bed, except for what appears to be a mound/ridge of approx 2m height. The mound extends from approx. SP1090 to 1550.  
The raised mound has been observed on E/S records on all lines Az. 307.9deg.  
A bathy attribute is under construction.

Today was a pleasure to process positioning data surveyed in calm sea conditions.  
It is sometime since I have reviewed data acquired in sea state similar to the S. North Sea. Short wave period, slightly confused, with gusting winds - as they say here a mucky sea –  
It is something for all to consider that a more phlegmatic attitude is required with compass, and acoustic data acquired at this location.  
Sea state in other waters of Australia, and the tropics are more sympathetic to the mentioned systems.