

Daily Positioning Equipment Status. MV Orient Explorer. 25 October 2005. Report 05. 22.30hrs

1. SIPS 1. Acoustics

1. Comments : Seq. 18 data quality much improved d't favourable sea state

2. 5000 Series Streamer Compass Birds

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

2. Comments : Seq. 18 compasses data quiet d't favourable sea state

3. rGPS Units Source.

rGPS Tailbuoy units

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

3. Comments : Some drop outs for 3 shot points max., otherwise a satisfactory performance

4. dGPS

Reference Stations .

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

4.Comments: Satisfactory two system mean position comparison sub 0.5m

5. Other Positioning Aids

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

5.Comments: All satisfactory.

P1 comparisons to Seq. 17. FGPS net adj. to Seq. 19 inclusive. Results satisfactory

Mean Gyro comparison sub 0.1 deg : Streamer rotation max +/- 0.2 deg.

Inline offset 95 metres : Mean front end seps +/- 5m around 100m

Processed feather Max +/- 5deg., with two of outliers of +9deg.

Water depth uncorrected for tide, velocity or draught Max 74.8m, Min 69.7m.

Avg difference max /min along each line 2.6m.