



# Fermat-1 Starfix Final Fix Report



Fugro Job Number 07066 Fermat 1  
 Job Name West Triton Rig Move  
 Fugro Personnel G. Marshall - Surveyor in Charge  
 B. Harper - Surveyor  
 Client Name ADA  
 Client Representative S. De Freitas  
 Sampling Started 12 Dec 2008 1:30:43 PM UTC  
 Sampling Ended 12 Dec 2008 11:28:43 PM UTC  
 Output File Name "347 23 28 43(2).pdf"  
 Comment Fermat-1 Final Position Fix and Rotary Table  
 Heighting

## West Triton At Fermat-1 - Final DGPS Position Fix Summary for DS

### DS Offset From CRP

Starboard 0.000 m  
 Forward 0.000 m  
 Up 0.000 m

### Geodetic Datum GDA94-ITRF2008.50

Latitude 38°11'47.0287"S  
 Longitude 141°03'13.7734"E

### Projection Universal Transverse Mercator Zone: 54

Easting 504713.143 m  
 Northing 5772392.606 m

Final Rig Heading 128.46 °T (Convergence 0.03° Aust/NZ)  
 Gyro C-O 65.13 °

DS Position is 9.49 m on a bearing of 249.00 °T (249.03 °G) FROM intended location

The Rotary Table is 38.040m Above the Australian Height Datum (AHD)


## Intended Offset / Well Location


### Geodetic Datum GDA94-ITRF2008.50

Latitude 38°11'46.9184"S  
 Longitude 141°03'14.1375"E

### Projection Universal Transverse Mercator Zone: 54

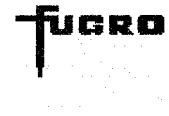
Easting 504722.000 m  
 Northing 5772396.000 m

Team Leader / Surveyor: 

Client Representative: 



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## Geodetic Parameters

**Geodetic Datum**                    **GDA94-ITRF2008.50**  
**Spheroid**                            **GRS80**  
Semi-Major Axis                    6378137.000  
Inverse Flattening                    298.2572221010  
Eccentricity<sup>2</sup>                        0.006694380022901  
DX                                    0.0174m                    RX                    0.0176 arc seconds  
DY                                    -0.0484m                    RY                    0.0151 arc seconds  
DZ                                    -0.1035m                    RZ                    0.0182 arc seconds  
D Scale                                0.0034ppm  
Rotation Convention +RZ=-RLongitude  
**Projection**                        **Universal Transverse Mercator Zone: 54**  
Latitude of Origin                    0°00'00.0000"N  
Longitude of Origin                    141°00'00.0000"E  
False Easting                        500000.000m  
False Northing                        10000000.000m  
Convergence                         0°02'01.9283"

## Final Primary Antenna Position (Port PORH.GGA)

3375 observations used out of a total of 3589

**Primary Antenna Offset from CRP**  
Starboard                    -13.704 m  
Forward                      94.883 m  
Up                             16.890 m

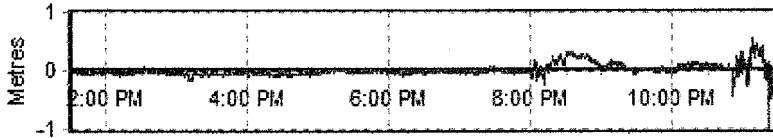
## Mean

**Geodetic Datum**                    **WGS84**  
Latitude                            38°11'48.5688"S  
Longitude                            141°03'17.1924"E  
Spheroidal Ht                        36.49 m  
**Geodetic Datum**                    **GDA94-ITRF2008.50**  
Latitude                            38°11'48.5951"S  
Longitude                            141°03'17.1786"E  
Spheroidal Ht                        36.54 m  
**Projection**                        **Universal Transverse Mercator Zone: 54**  
Easting                              504795.938 m  
Northing                              5772344.278 m  
HDOP                                0.99  
Heading                              128.46 °T  
Age Of Corrections                    11.1 s  
Satellites                              9

## Standard Deviation

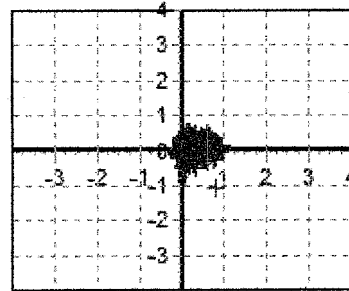
Latitude or Northing                    0.08 m  
Longitude or Easting                    0.11 m  
Spheroidal Height                        0.26 m  
HDOP                                0.18  
Heading                                0.06 °T

Primary (Port PORH.GGA) - Delta Latitude

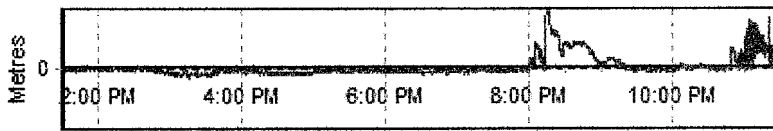


Time (UTC)

Delta Easting (m) V's Delta Northing (m)

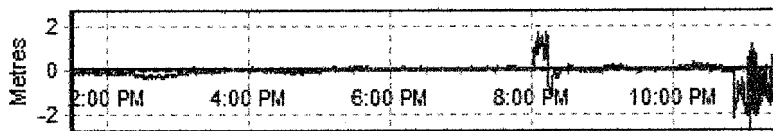


Primary (Port PORH.GGA) - Delta Longitude



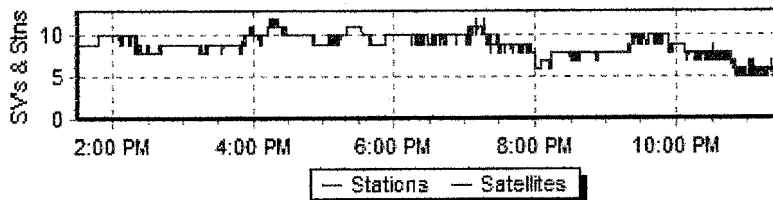
Time (UTC)

Primary (Port PORH.GGA) - Delta Height

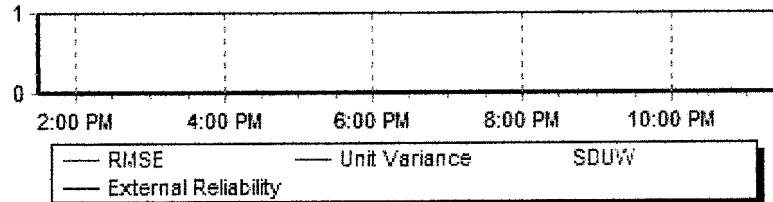


Time (UTC)

Primary (Port PORH.GGA) - Satellites & Stations



Primary (Port PORH.GGA) - Qualities





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**Final Secondary Antenna Position (Stbd OCSAT.GGA)**  
 3329 observations used out of a total of 3589

**Secondary Antenna Offset from CRP**

Starboard	13.616 m
Forward	94.893 m
Up	17.040 m

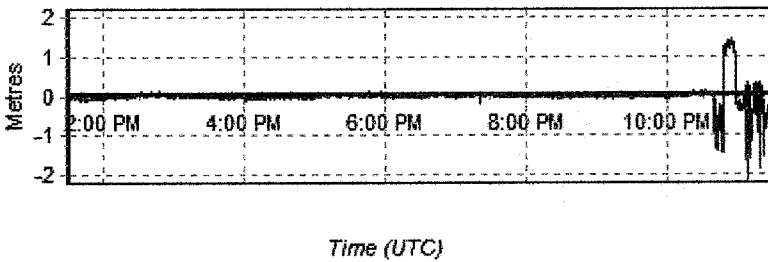
**Mean**

<b>Geodetic Datum</b>	<b>WGS84</b>
Latitude	38°11'49.2636"S
Longitude	141°03'16.4915"E
Spheroidal Ht	36.63 m
<b>Geodetic Datum</b>	<b>GDA94-ITRF2008.50</b>
Latitude	38°11'49.2899"S
Longitude	141°03'16.4778"E
Spheroidal Ht	36.69 m
<b>Projection</b>	<b>Universal Transverse Mercator Zone: 54</b>
Easting	504778.880 m
Northing	5772322.876 m
HDOP	0.99
Age Of Corrections	12.7 s
Satellites	9

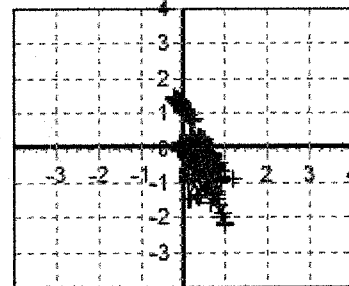
**Standard Deviation**

Latitude or Northing	0.05 m
Longitude or Easting	0.06 m
Spheroidal Height	0.17 m
HDOP	0.15

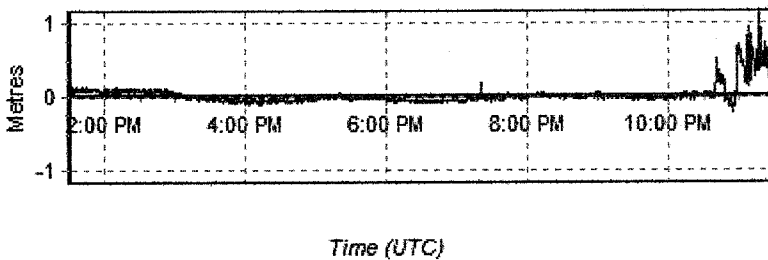
Secondary (Stbd OCSAT.GGA) - Delta Latitude



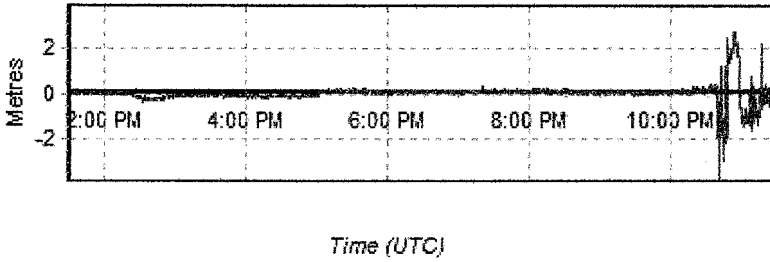
Delta Easting (m) V's Delta Northing (m)



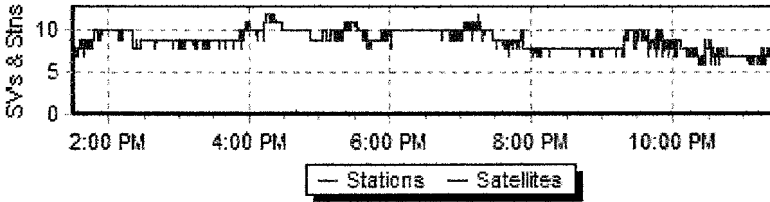
Secondary (Stbd OCSAT.GGA) - Delta Longitude



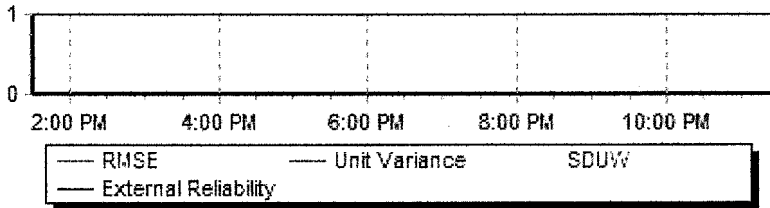
Secondary (Stbd OCSAT.GGA) - Delta Height



Secondary (Stbd OCSAT.GGA) - Satellites & Stations



Secondary (Stbd OCSAT.GGA) - Qualities



SGBROWN NO\_1.HDT - Delta Heading

