

# Network Adjustment Report

*Project : Auxillary Base*

|                          |                            |                        |                     |
|--------------------------|----------------------------|------------------------|---------------------|
| <b>User name</b>         | Andrew Balser              | <b>Date &amp; Time</b> | 4:03:48 PM 7/1/2007 |
| <b>Coordinate System</b> | UTM                        | <b>Zone</b>            | 6 North             |
| <b>Project Datum</b>     | NAD 1983 (Conus)<br>CORS96 |                        |                     |
| <b>Vertical Datum</b>    | NAVD88                     | <b>Geoid Model</b>     | Not selected        |
| <b>Coordinate Units</b>  | Meters                     |                        |                     |
| <b>Distance Units</b>    | Meters                     |                        |                     |
| <b>Height Units</b>      | Meters                     |                        |                     |

## Adjustment Style Settings - 95% Confidence Limits

### Residual Tolerances

**To End Iterations** : 0.000010m  
**Final Convergence Cutoff** : Final Convergence Cutoff = 9.4491 ET9hso91 ET9hso91 E24

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## Statistical Summary

### Successful Adjustment in 1 iteration(s)

Network Reference Factor : 2.36  
 Chi Square Test (a=95%) : FAIL  
 Degrees of Freedom : 6.00

### GPS Observation Statistics

Reference Factor : 2.36  
 Redundancy Number (r) : 6.00

### Individual GPS Observation Statistics

| Observation ID | Reference Factor | Redundancy Number |
|----------------|------------------|-------------------|
| B24            | 2.60             | 2.62              |
| B25            | 1.81             | 1.88              |
| B26            | 2.54             | 1.50              |

### Weighting Strategies

#### GPS Observations

Default Scalar Applied to All Observations

Scalar : 1.00

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## Adjusted Coordinates

Adjustment performed in **WGS-84**

Number of Points : 2  
 Number of Constrained Points : 1  
 Horizontal and Height Only : 1

### Adjusted Grid Coordinates

Errors are reported using 1.96s.

| Point Name | Easting     | E error | Northing     | N error | Elevation | e error | Fix      |
|------------|-------------|---------|--------------|---------|-----------|---------|----------|
| TOOL2845   | 394376.897m | 0.000m  | 7615061.725m | 0.000m  | N/A       | N/A     | N E<br>h |
| N153       | 412143.609m | 0.002m  | 7620224.431m | 0.003m  | N/A       | N/A     |          |

### Adjusted Geodetic Coordinates

|  |  |  |  |  |  |  |  |
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