



### Network Adjustment

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Created: 12/01/2011 07:31:09

#### Project Information

Project name: sw0811\_1\_2011\_11\_30  
 Date created: 11/30/2011 16:46:55  
 Time zone: -5h 00'  
 Coordinate system name: WGS 1984  
 Application software: LEICA Geo Office 8.0  
 Processing kernel: MOVE3 4.0.4

#### General Information

**Adjustment**  
 Type: Inner constrained  
 Dimension: 3D  
 Coordinate system: WGS 1984  
 Height mode: Ellipsoidal

Number of iterations: 1  
 Maximum coord correction in last iteration: 0.0000 ft ✓ (tolerance is met)

**Stations**  
 Number of (partly) known stations: 0  
 Number of unknown stations: 5  
 Total: 5

**Observations**  
 GPS coordinate differences: 18 (6 baselines)  
 Inner constraints: 3  
 Total: 21

**Unknowns**  
 Coordinates: 15  
 Total: 15

Degrees of freedom: 6

**Testing**  
 Alfa (multi dimensional): 0.2222  
 Alfa 0 (one dimensional): 5.0 %  
 Beta: 80.0 %  
 Sigma a-priori (GPS): 10.0

file://C:/Documents and Settings/usur022/Local Settings/Temp/~Rpf0.html

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Critical value W-test: 1.96  
 Critical value T-test (2-dimensional): 2.42  
 Critical value T-test (3-dimensional): 1.89  
 Critical value F-test: 1.37  
 F-test: 0.05 ✓ (accepted)

Results based on a-posteriori variance factor

#### Adjustment Results

##### Coordinates

Station	Coordinate	Corr	Sd
7400	Latitude	34° 00' 29.55000" N	0.0002 ft
	Longitude	96° 22' 16.00667" W	-0.0006 ft
	Height	531.7292 ft	0.0011 ft
7401	Latitude	34° 00' 49.90685" N	-0.0004 ft
	Longitude	96° 22' 21.42103" W	0.0017 ft
	Height	544.5030 ft	-0.0028 ft
OKAR	Latitude	34° 10' 06.45074" N	0.0027 ft
	Longitude	97° 10' 09.25148" W	-0.0053 ft
	Height	777.2989 ft	0.0146 ft
PEANUT	Latitude	33° 53' 37.89808" N	0.0001 ft
	Longitude	96° 28' 45.03218" W	-0.0004 ft
	Height	615.0086 ft	0.0006 ft
TXSR	Latitude	33° 35' 29.83999" N	-0.0027 ft
	Longitude	96° 36' 25.17379" W	0.0047 ft
	Height	641.4387 ft	-0.0135 ft

##### Observations and Residuals

	Station	Target	Adj obs	Resid	Resid (ENH)	Sd
DX	TXSR	PEANUT	45569.8445 ft	-0.0005 ft	-0.0005 ft	0.0010 ft
		7401	56290.5701 ft	0.0006 ft	-0.0002 ft	0.0027 ft
		7400	91445.2329 ft	-0.0006 ft	-0.0008 ft	0.0019 ft
DY	TXSR	7401	80420.6761 ft	0.0003 ft	0.0005 ft	0.0008 ft
		7400	76981.7318 ft	-0.0019 ft	0.0003 ft	0.0020 ft
		7400	127647.9432 ft	0.0016 ft	0.0024 ft	0.0014 ft
DX	TXSR	7400	80747.0969 ft	-0.0001 ft	-0.0003 ft	0.0008 ft
		7400	75797.6901 ft	0.0019 ft	-0.0002 ft	0.0020 ft
		7400	125934.9466 ft	-0.0014 ft	-0.0024 ft	0.0014 ft
DX	OKAR	PEANUT	200973.5079 ft	0.0005 ft	0.0005 ft	0.0010 ft
		7401	-80252.6036 ft	-0.0006 ft	0.0002 ft	0.0027 ft
		7401	-82926.9496 ft	0.0006 ft	0.0008 ft	0.0019 ft
DY	OKAR	7401	235824.3395 ft	-0.0009 ft	-0.0012 ft	0.0010 ft
		7401	-59561.4419 ft	0.0032 ft	-0.0004 ft	0.0022 ft
		7400	-46724.2394 ft	-0.0026 ft	-0.0040 ft	0.0016 ft
DX	OKAR	7400	236150.7603 ft	0.0001 ft	0.0003 ft	0.0008 ft
		7400	-60745.4837 ft	-0.0017 ft	0.0002 ft	0.0020 ft
		7400	-48437.2360 ft	0.0013 ft	0.0022 ft	0.0014 ft

##### External Reliability

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