

OPUS Projects - "Clear Creek County Geodetic Network - 2013 Sessions"



MARK Datasheet Mock-up

Description		Close-up View
PID	AB2084	
stamping*	VAIL PASS 1994	
name*	VAIL PASS	
type*	D = Disk DH = Horizontal control disk	
setting*	80 = In a boulder specific setting Set in top of large boulder	
description*	See NGS Data Sheet <small>18 chars (500 chars max)</small>	
stability	C = May hold, commonly subject to ground movement	
magnetic	N = No magnetic material	
application	O = Other special application, see descriptive text	
condition	<input checked="" type="radio"/> Good condition <input type="radio"/> Poor, disturbed, mutilated, requires maintenance	
* required fields		

MARK Occupations

DATA FILE	SPAN		HARDWARE						
vail281p.13o	Start	2013-10-08T15:40:00 GPS	Antenna	Model:	LEIAT502 NONE	S/N:	6356	Height (m):	1.016
	End	2013-10-08T23:42:40 GPS	Receiver	Model:	LEICA SR520	S/N:	20668	Firmware:	5.10

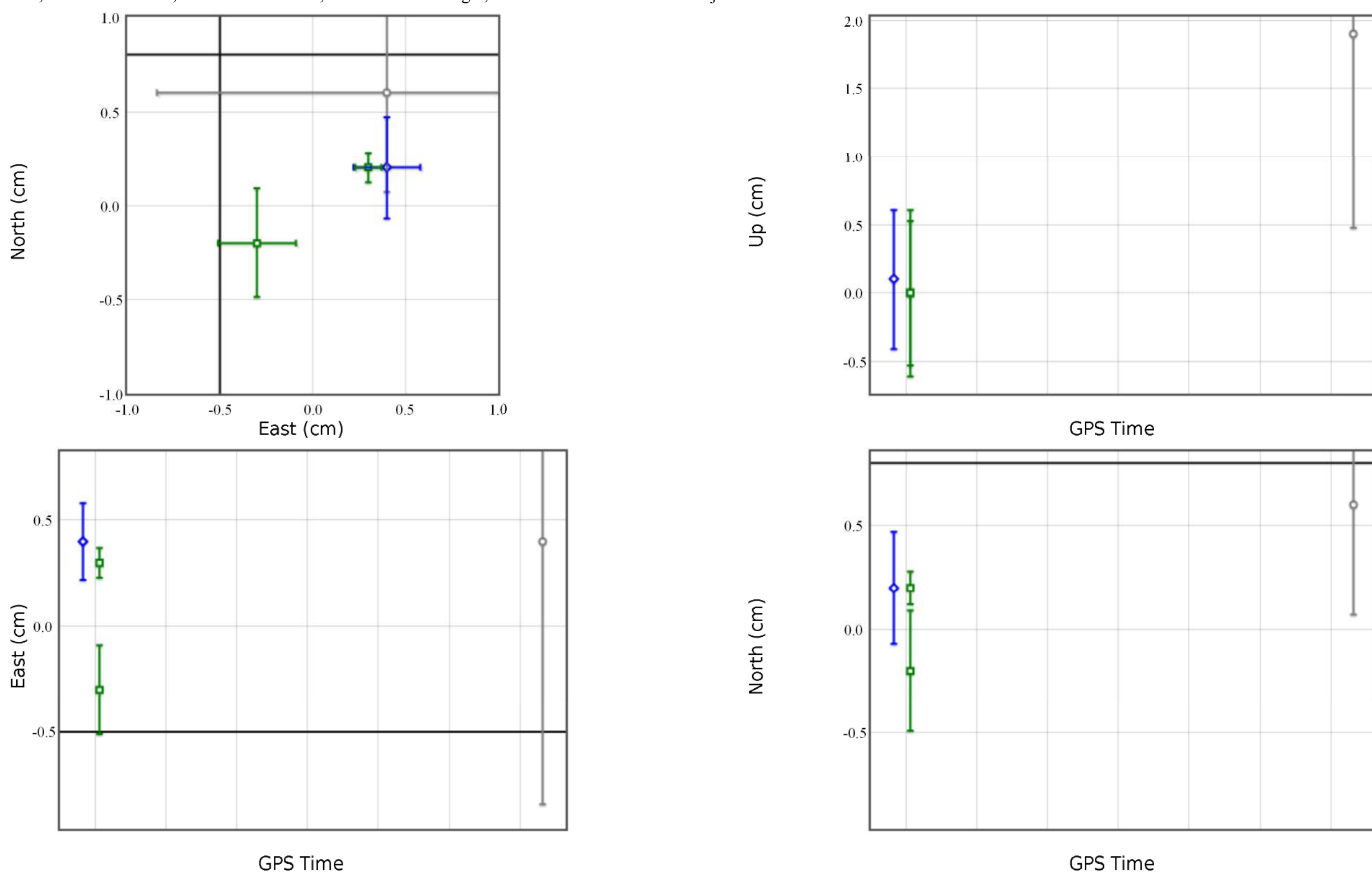
MARK Processing Results From

Scale uncertainties by .

Coordinate Source: network-Final Normal Constraint											
REF FRAME:	IGS08 (2013.7694)		NAD_83(2011) (2010.0000)		COORDINATE SYSTEM:		SPC 0502 CO C		UTM 13		
LAT:	N39:31:44.06296 ±0.003 m		N39:31:44.04395 ±0.003 m		NORTHING:		1618330.093 ft US		4376179.680 m		
EAST LON:	E253:46:56.77911 ±0.002 m		E253:46:56.82726 ±0.002 m		EASTING:		2797604.382 ft US		395358.280 m		
WEST LON:	W106:13:03.22089 ±0.002 m		W106:13:03.17274 ±0.002 m		CONVERGENCE:		-0.45255002°		-0.77499979°		
EL HGT:	3220.902 ±0.006 m		3221.760 ±0.006 m		POINT SCALE:		0.99996374		0.99973481		
X:	-1376499.606 ±0.002 m		-1376498.790 ±0.002 m		COMBINED FACTOR:		0.99945856		0.99922975		
Y:	-4732528.037 ±0.005 m		-4732529.353 ±0.005 m		U.S. NATIONAL GRID:		13SCD9535876179				
Z:	4039829.409 ±0.005 m		4039829.503 ±0.005 m								
ORTHO HGT: 3234.221 ±0.025 m (H = h - N WHERE N = GEOID12A HGT)											
DATA FILE	ANTENNA		HEIGHT (m)	EPH TYPE	OBS (%)	FIXED (%)	RMS (m)	LAT (m)	LON (m)	HGT (m)	SOLUTION
vail281p.13o	LEIAT502 NONE		1.016	precise	98.0	96.0	—	0.003	0.002	0.006	network-Final Normal Constraint
Preferences				Best Available	≥80.0	≥80.0	≤0.025	≤0.020	≤0.020	≤0.040	Preferences

MARK Processing Results Plots

Scale uncertainties by . Show preferences network session OPUS published.
The "zero" point coordinates, N39:31:44.06304, W106:13:03.22078, 3220.902 m el. height, are the mean of all network adjustments.



MARK Processing Results Table

Scale uncertainties by . Show preferences network session OPUS published.
The "zero" point coordinates, N39:31:44.06304, W106:13:03.22078, 3220.902 m el. height, are the mean of all network adjustments.

<input checked="" type="checkbox"/> PUBLISHED	NORTH (cm)	EAST (cm)	UP (cm)	REFERENCE FRAME	EPOCH (GPS)
AB2084	0.8 ±0.0	-0.5 ±0.0	-0.9 ±0.0	IGS08	2013-10-08T19:47:08
<input type="checkbox"/> OPUS SOLUTIONS	NORTH (cm)	EAST (cm)	UP (cm)	REFERENCE FRAME	EPOCH (GPS)
vail281p.13o	0.6 ±0.5	0.4 ±1.2	1.9 ±1.4	IGS08	2013-10-08T19:56:38
<input checked="" type="checkbox"/> SESSION SOLUTIONS	NORTH (cm)	EAST (cm)	UP (cm)	REFERENCE FRAME	EPOCH (GPS)
2013-281-Vail	0.2 ±0.3	0.4 ±0.2	0.1 ±0.5	IGS08	2013-10-08T19:43:40
<input checked="" type="checkbox"/> NETWORK SOLUTIONS	NORTH (cm)	EAST (cm)	UP (cm)	REFERENCE FRAME	EPOCH (GPS)
network-Final Normal Constraint	-0.2 ±0.3	-0.3 ±0.2	0.0 ±0.6	IGS08	2013-10-08T19:44:08
network-Final Tight Constraint	0.2 ±0.1	0.3 ±0.1	0.0 ±0.5	IGS08	2013-10-08T19:44:08