

OPUS-RS solution : 018697_14_268_A0.14O OP1411933748459

opus <opus@ngs.noaa.gov>

Sun 9/28/2014 1:54 PM

To: John Freetly <John.Freetly@neciusa.com>;

FILE: 018697_14_268_A0.14O OP1411933748459

6024
 6024 ***** WARNING *****
 6024 The Network Quality Indicator for the rover solution
 6024 is less than 1.0. This is often a warning sign that
 6024 one or more of the baselines involving your station were
 6024 weakly determined. You should check other quality indicators,
 6024 such as standard errors. If possible, corroborate
 6024 this position with a solution involving a different time period.
 6024 ***** WARNING *****
 6024

NGS OPUS-RS SOLUTION REPORT
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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: john.freetly@neciusa.com DATE: September 28, 2014
 RINEX FILE: 0186268q.14o TIME: 19:53:44 UTC

SOFTWARE: rsgps 1.37 RS53.prl 1.99.2 START: 2014/09/25 16:40:00
 EPHEMERIS: igr18114.eph [rapid] STOP: 2014/09/25 17:46:15
 NAV FILE: brdc2680.14n OBS USED: 2108 / 2800 : 75%
 ANT NAME: CHCX90D-OPUS NONE QUALITY IND. 7.86/ 0.22
 ARP HEIGHT: 1.8000 NORMALIZED RMS: 0.441

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2014.73347)

X: -1352871.780(m) 0.008(m) -1352872.640(m) 0.008(m)
 Y: -4290745.622(m) 0.026(m) -4290744.368(m) 0.026(m)
 Z: 4507477.985(m) 0.026(m) 4507477.943(m) 0.026(m)

LAT: 45 14 47.37041 0.009(m) 45 14 47.39101 0.009(m)
 E LON: 252 29 59.78653 0.007(m) 252 29 59.73164 0.007(m)
 W LON: 107 30 0.21347 0.007(m) 107 30 0.26836 0.007(m)
 EL HGT: 1128.024(m) 0.036(m) 1127.334(m) 0.036(m)
 ORTHO HGT: 1141.872(m) 0.037(m) [NAVD88 (Computed using GEOID12A)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5013373.786	112760.242
Easting (X) [meters]	303804.219	756972.529
Convergence [degrees]	-1.77596202	1.46296503
Point Scale	1.00007331	0.99986099
Combined Factor	0.99989647	0.99968419

US NATIONAL GRID DESIGNATOR: 13TCL0380413373(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DM7161	WYSH SHERIDAN CORS ARP	N444801.769	W1070035.715	62852.0
DG9745	MTEI ENGINC CORS ARP	N454447.035	W1083600.736	102392.8
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	144052.5
DL7758	P722 YNPBASSRCHMT2005 CORS ARP	N452725.985	W1093415.586	163989.7

NEAREST NGS PUBLISHED CONTROL POINT

QV0343	LG 15	N451341.635	W1073008.056	2039.8
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This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.