Lodermeier, Blaise <bloderme@blm.gov>

OPUS solution : log20150706_073342.tps OP1436231993360

1 message

opus <opus@ngs.noaa.gov> Mon, Jul 6, 2015 at 7:21 PM
Reply-To: ngs.opus@noaa.gov
To: bloderme@blm.gov

```
FILE: log20150706_073342.tps OP1436231993360

2005   NOTE:  The IGS precise and IGS rapid orbits were not available
2005   at processing time.  The IGS ultra-rapid orbit was/will be used to
2005   process the data.
2005
                    NGS OPUS SOLUTION REPORT
                    ========================

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy

     USER: bloderme@blm.gov                DATE: July 07, 2015
RINEX FILE: log2187o.15o                  TIME: 01:21:12 UTC


  SOFTWARE: page5  1209.04 master50.pl 022814      START: 2015/07/06  14:45:00
 EPHEMERIS: igu18521.eph [ultra-rapid]             STOP: 2015/07/06  18:52:00
  NAV FILE: brdc1870.15n                     OBS USED: 10949 / 10992   : 100%
  ANT NAME: TPSGR5          NONE             # FIXED AMB:    48 /    48   : 100%
ARP HEIGHT: 0.902208                       OVERALL RMS: 0.012(m)


 REF FRAME: NAD_83(2011)(EPOCH:2010.0000)          IGS08 (EPOCH:2015.5115)

        X:     -1096147.849(m)   0.006(m)        -1096148.716(m)   0.006(m)
        Y:     -4383481.615(m)   0.011(m)        -4383480.345(m)   0.011(m)
        Z:      4487914.520(m)   0.011(m)         4487914.468(m)   0.011(m)

      LAT:   44 59 53.13536      0.010(m)       44 59 53.15757      0.010(m)
    E LON:  255 57 37.23646      0.007(m)      255 57 37.18400      0.007(m)
    W LON:  104  2 22.76354      0.007(m)      104  2 22.81600      0.007(m)
   EL HGT:         1012.550(m)   0.012(m)            1011.791(m)   0.012(m)
 ORTHO HGT:        1028.027(m)   0.022(m) [NAVD88 (Computed using GEOID12B)]

                    UTM COORDINATES    STATE PLANE COORDINATES
                    UTM (Zone 13)          SPC (4001 SD N)
Northing (Y) [meters]     4983187.130          137375.704
Easting (X)  [meters]      575692.271          281626.721
Convergence  [degrees]     0.67907489          -2.85901919
Point Scale                0.99967045          0.99993954
Combined Factor            0.99951177          0.99978082

US NATIONAL GRID DESIGNATOR: 13TEK7569283187(NAD 83)


                    BASE STATIONS USED
PID       DESIGNATION                    LATITUDE    LONGITUDE DISTANCE(m)
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DP1963 SDRC RAPID CITY CORS ARP N440457.973 W1031332.337 120559.1
DI2251 P043 NEWCASTLE_WY2006 CORS ARP N435252.101 W1041108.484 124683.5
DI2263 P055 GLENDIVEWTMT2006 CORS ARP N470700.144 W1044106.394 240742.9

NEAREST NGS PUBLISHED CONTROL POINT
PV0443 BOUNDARY MON SE CORNER MT N445953.168 W1040222.793 1.2

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.

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