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1 FILE: 89691491.08o 000062905
2
3               NGS OPUS SOLUTION REPORT
4               =====
5
6 All computed coordinate accuracies are listed as peak-to-peak values.
7 For additional information: http://www.ngs.noaa.gov/OPUS/about.html#accuracy
8
9     USER: pdailey@njrati.org                DATE: February 21, 2010
10    RINEX FILE: 8969149w.08o                TIME: 14:15:33 UTC
11
12
13    SOFTWARE: page5 0909.08 master40.pl 081023    START: 2008/05/28 22:20:00
14    EPHEMERIS: igs14813.eph [precise]            STOP: 2008/05/29 20:40:00
15    NAV FILE: brdc1490.08n                      OBS USED: 58256 / 60076 : 97%
16    ANT NAME: TRM41249.00      NONE              # FIXED AMB: 157 / 181 : 87%
17    ARP HEIGHT: 1.5                          OVERALL RMS: 0.017(m)
18
19
20    REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)    ITRF00 (EPOCH:2008.4082)
21
22          X:      939900.953(m)    0.013(m)          939900.250(m)    0.013(m)
23          Y:     -5150611.985(m)    0.034(m)         -5150610.499(m)    0.034(m)
24          Z:      3630563.028(m)    0.016(m)          3630562.873(m)    0.016(m)
25
26    LAT:    34 55 8.30856          0.008(m)          34 55 8.33393          0.008(m)
27    E LON:  280 20 30.24299          0.008(m)          280 20 30.22626          0.008(m)
28    W LON:   79 39 29.75701          0.008(m)          79 39 29.77374          0.008(m)
29    EL HGT:           110.189(m)    0.037(m)          108.798(m)    0.037(m)
30    ORTHO HGT:        141.765(m)    0.045(m) [NAVD88 (Computed using GEOID03)]
31
32          UTM COORDINATES      STATE PLANE COORDINATES
33          UTM (Zone 17)          SPC (3200 NC )
34    Northing (Y) [meters]      3864879.243          129874.130
35    Easting (X) [meters]       622559.924          549457.257
36    Convergence [degrees]      0.76812774          -0.37993146
37    Point Scale                0.99978513          0.99988936
38    Combined Factor            0.99976784          0.99987206
39
40    US NATIONAL GRID DESIGNATOR: 17SPU2255964879(NAD 83)
41
42
43
44          BASE STATIONS USED
45    PID      DESIGNATION          LATITUDE      LONGITUDE DISTANCE(m)
46    DG7402 NCPO POLKTON CORS ARP    N345933.173 W0801037.858    48094.7
47    DK4045 NCTR TROY CORS ARP      N352201.845 W0795212.771    53345.6
48    DI1682 NCLU LUMBERTON CORS ARP  N343736.336 W0790439.695    62252.3
49
50          NEAREST NGS PUBLISHED CONTROL POINT
51    EB2854    FRUITLAND RM 2 AZIMUTH    N345516.664 W0793924.904    286.2
52
53 This position and the above vector components were computed without any
54 knowledge by the National Geodetic Survey regarding the equipment or
55 field operating procedures used.

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