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OPUS solution : 72772420.22o OP1664927802886

1 message

opus <opus@ngs.noaa.gov>
Reply-To: ngs.opus@noaa.gov
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Tue, Oct 4, 2022 at 4:58 PM

FILE: 72772420.22o OP1664927802886

NGS OPUS SOLUTION REPORT
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All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: lea.bond@noaa.gov DATE: October 04, 2022
RINEX FILE: 7277242p.22o TIME: 23:58:32 UTC

SOFTWARE: page5 2008.25 [master278.pl](#) 160321 START: 2022/08/30 15:32:00
EPHEMERIS: igs22252.eph [precise] STOP: 2022/08/30 23:44:00
NAV FILE: brdc2420.22n OBS USED: 22565 / 23214 : 97%
ANT NAME: TRMR10 NONE # FIXED AMB: 67 / 72 : 93%
ARP HEIGHT: 1.55 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2022.6625)

X: -2718365.675(m) 0.005(m) -2718366.780(m) 0.005(m)
Y: -4311936.013(m) 0.009(m) -4311934.322(m) 0.009(m)
Z: 3820943.632(m) 0.012(m) 3820943.848(m) 0.012(m)

LAT: 37 2 24.87005 0.007(m) 37 2 24.89208 0.007(m)
E LON: 237 46 17.45800 0.009(m) 237 46 17.38366 0.009(m)
W LON: 122 13 42.54200 0.009(m) 122 13 42.61634 0.009(m)
EL HGT: -25.306(m) 0.009(m) -25.847(m) 0.009(m)
ORTHO HGT: 8.372(m) 0.051(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

	UTM (Zone 10)	SPC (0403 CA 3)
Northing (Y) [meters]	4099614.797	561377.153
Easting (X) [meters]	568610.850	1846233.765
Convergence [degrees]	0.46476111	-1.05823333
Point Scale	0.99965799	1.00000557
Combined Factor	0.99966196	1.00000954

US NATIONAL GRID DESIGNATOR: 10SEF6861199615(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI7526	P210 ELKHRNSLGHCN2005	CORS ARP	N364858.082 W1214354.579	50759.8
DN7577	P277 PIGEONPT_CN2007	CORS ARP	N371132.527 W1222200.726	20888.5
DM7563	P534 COOKEPEAK_CN2007	CORS ARP	N370340.419 W1221415.345	2476.7

NEAREST NGS PUBLISHED CONTROL POINT

HT3652 24.85=269 N370200025. W1221300044. 49.4

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.