

## Lea Bond - NOAA Affiliate <lea.bond@noaa.gov>

Fri, Sep 29, 2023 at 10:11 AM

## OPUS solution: 72772651.230 OP1696007424229

1 message

opus <opus@ngs.noaa.gov> Reply-To: ngs.opus@noaa.gov

To: lea.bond@noaa.gov

FILE: 72772651.23o OP1696007424229

NGS OPUS SOLUTION REPORT

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: September 29, 2023

RINEX FILE: 7277265p.230 TIME: 17:11:06 UTC

SOFTWARE: page5 2008.25 master294.pl 160321 START: 2023/09/22 15:45:00

EPHEMERIS: igr22805.eph [rapid] STOP: 2023/09/22 21:34:00

NAV FILE: brdc2650.23n OBS USED: 13903 / 14863 : 94%

ANT NAME: TRMR10 NONE # FIXED AMB: 61 / 66 : 92%

ARP HEIGHT: 1.550 OVERALL RMS: 0.015(m)

REF FRAME: NAD 83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2023.7254)

X: -2718365.705(m) 0.012(m) -2718366.837(m) 0.012(m) Y: -4311936.015(m) 0.013(m) -4311934.289(m) 0.013(m) Z: 3820943.629(m) 0.014(m) 3820943.865(m) 0.014(m)

LAT: 37 2 24.86962 0.012(m) 37 2 24.89248 0.012(m) E LON: 237 46 17.45699 0.005(m) 237 46 17.38099 0.005(m) W LON: 122 13 42.54301 0.005(m) 122 13 42.61901 0.005(m)

EL HGT: -25.294(m) 0.019(m) -25.835(m) 0.019(m)

ORTHO HGT: 8.384(m) 0.057(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 10) SPC (0403 CA 3)

Northing (Y) [meters] 4099614.783 561377.140
Easting (X) [meters] 568610.825 1846233.740
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)

DN7544 P176 MILLSCREEKCN2007 CORS GRP N372818.368 W1222125.650 49236.4 DN7479 SLAC SLAC\_BARD\_CN2002 CORS ARP N372459.450 W1221215.296 41814.8 DM7565 P534 COOKEPEAK\_CN2007 CORS GRP N370340.419 W1221415.345 2476.8

NEAREST NGS PUBLISHED CONTROL POINT

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HT3652 24.85=269

N370225.740 W1221344.220 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.

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