



OPUS solution : 72772420.22o OP1662498946499

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Tue, Sep 6, 2022 at 2:16 PM

FILE: 72772420.22o OP1662498946499

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: September 06, 2022
RINEX FILE: 7277242p.22o TIME: 21:16:33 UTC

SOFTWARE: page5 2008.25 master270.pl 160321 START: 2022/08/30 15:32:00
EPHEMERIS: igr22252.eph [rapid] 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: 1.75 OVERALL RMS: 0.013(m)

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

X:	-2718365.593(m)	0.007(m)	-2718366.698(m)	0.007(m)
Y:	-4311935.883(m)	0.003(m)	-4311934.192(m)	0.003(m)
Z:	3820943.515(m)	0.009(m)	3820943.731(m)	0.009(m)

LAT:	37 2 24.87001	0.008(m)	37 2 24.89204	0.008(m)
E LON:	237 46 17.45800	0.008(m)	237 46 17.38366	0.008(m)
W LON:	122 13 42.54200	0.008(m)	122 13 42.61634	0.008(m)
EL HGT:	-25.499(m)	0.004(m)	-26.040(m)	0.004(m)
ORTHO HGT:	8.179(m)	0.050(m)	[NAVD88 (Computed using GEOID18)]	

UTM COORDINATES STATE PLANE COORDINATES

	UTM (Zone 10)	SPC (0403 CA 3)
Northing (Y) [meters]	4099614.796	561377.152
Easting (X) [meters]	568610.850	1846233.765
Convergence [degrees]	0.46476111	-1.05823333
Point Scale	0.99965799	1.00000557
Combined Factor	0.99966199	1.00000957

US NATIONAL GRID DESIGNATOR: 10SEF6861199615(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI7526	P210 ELKHRNSLGHHCN2005	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	2476.8

NEAREST NGS PUBLISHED CONTROL POINT

HT3652	24.85=269	N370200025. W1221300044.	49.4
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