UC San Diego

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OPUS solution : opmt2920.19o OP1731636163226

opus <opus@ngs.noaa.gov> Thu, Nov 14, 2024 at 6:03 PM
Reply-To: ngs.opus@noaa.gov
To: thstone@ucsd.edu

FILE: opmt2920.19o OP1731636163226

1008 NOTE: You provided a zero or negative antenna height.
1008 If ARP HGT = 0.0, OPUS solves for the position of your selected antenna's reference point (ARP).
1008 If ARP HGT < 0.0, OPUS solves for a location inside or above the antenna
1008

NGS OPUS SOLUTION REPORT
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All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: https://urldefense.com/v3/__https://www.ngs.noaa.gov/OPUS/about.jsp*accuracy__;Iw!!Mih3wA!Eykq0egm1xalZ4WD8Rdg7S9JkM67iiL7Qs3xip7rLoQ5PLqP63GK7dKy7X38L0Y0QaIM9HdjhQN91Qe3$

USER: thstone@ucsd.edu DATE: November 15, 2024
RINEX FILE: opmt2920.19o TIME: 02:03:27 UTC

SOFTWARE: page5 2008.25 master250.pl 160321 START: 2019/10/19 00:00:00
EPHEMERIS: igs20756.eph [precise] STOP: 2019/10/19 23:59:00
NAV FILE: brdc2920.19n OBS USED: 54814 / 55481 : 99%
ANT NAME: ASH700936E NONE # FIXED AMB: 178 / 180 : 99%
ARP HEIGHT: 0.000 OVERALL RMS: 0.012(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7986)

X:	4202778.454(m)	0.010(m)	4202777.302(m)	0.010(m)
Y:	171366.583(m)	0.004(m)	171368.267(m)	0.004(m)
Z:	4778659.827(m)	0.011(m)	4778660.503(m)	0.011(m)

LAT:	48 50 9.27902	0.006(m)	48 50 9.31981	0.006(m)
E LON:	2 20 5.70736	0.003(m)	2 20 5.79214	0.003(m)
W LON:	357 39 54.29264	0.003(m)	357 39 54.20786	0.003(m)
EL HGT:	122.981(m)	0.015(m)	122.777(m)	0.015(m)

ORTHO HGT: [No NGS Geoid Model Available.]

	UTM COORDINATES (Zone 31)	STATE PLANE COORDINATES *** NOTE ***
Northing (Y) [meters]	5409428.280	Please manually select
Easting (X) [meters]	451194.820	SPC zone.
Convergence [degrees]	-0.50070000	
Point Scale	0.99962926	
Combined Factor	0.99960999	

US NATIONAL GRID DESIGNATOR: 31UDQ5119509428(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
	OAK2			344026.2
	LROC			400225.7
	HERS			267750.1

NEAREST NGS PUBLISHED CONTROL POINT

DE6606	ST. JOHN'S CORS ARP	N473542.824 W0524039.911 3999841.5

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.