

Angela Boyea

From: opus [opus@NGS.NOAA.GOV]
Sent: Tuesday, April 05, 2011 11:48 AM
To: Angela Boyea
Subject: OPUS solution : 15630881.DAT 000195200

FILE: 15630881.DAT 000195200

NGS OPUS SOLUTION REPORT =====

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: <http://www.ngs.noaa.gov/OPUS/about.html#accuracy>

USER: angela.boyea@towill.com DATE: April 05, 2011
RINEX FILE: 1563088t.11o TIME: 18:47:53 UTC

SOFTWARE: page5 1009.28 master11.pl 121510 START: 2011/03/29 19:05:00
EPHEMERIS: igr16292.eph [rapid] STOP: 2011/03/29 23:11:00
NAV FILE: brdc0880.11n OBS USED: 9769 / 10264 : 95%
ANT NAME: TRM14532.10 NONE # FIXED AMB: 40 / 40 : 100%
ARP HEIGHT: 2 OVERALL RMS: 0.010(m)

REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.2408)

X:	-2721144.123(m)	0.016(m)	-2721144.830(m)	0.016(m)
Y:	-4002102.925(m)	0.007(m)	-4002101.613(m)	0.007(m)
Z:	4140444.242(m)	0.018(m)	4140444.372(m)	0.018(m)
LAT:	40 44 18.58700	0.005(m)	40 44 18.60474	0.005(m)
E LON:	235 47 13.54738	0.015(m)	235 47 13.49102	0.015(m)
W LON:	124 12 46.45262	0.015(m)	124 12 46.50898	0.015(m)
EL HGT:	-28.403(m)	0.022(m)	-28.839(m)	0.022(m)
ORTHO HGT:	2.516(m)	0.044(m)	[NAVD88 (Computed using GEOID09)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 10)	SPC (0401 CA 1)
Northing (Y) [meters]	4510435.805	658385.103
Easting (X) [meters]	397589.711	1813122.343
Convergence [degrees]	-0.79161877	-1.44698287
Point Scale	0.99972909	0.99989605
Combined Factor	0.99973354	0.99990051

US NATIONAL GRID DESIGNATOR: 10TCL9758910435(NAD 83)

			BASE STATIONS USED		
PID	DESIGNATION		LATITUDE	LONGITUDE	DISTANCE(m)
DH3867	P162	TABLEBLUFFCN2004	CORS ARP	N404127.922 W1241413.276	5645.1
DG8511	P169	FICKLEHILLCN2004	CORS ARP	N404728.104 W1235803.494	21531.1
DG8514	P170	BALDMTN___CN2004	CORS ARP	N405248.821 W1235147.755	33453.0

NEAREST NGS PUBLISHED CONTROL POINT			
LV0653	941 8739 B TIDAL	N404418.	W1241246. 21.0

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.