

Angela Boyea

From: opus [opus@NGS.NOAA.GOV]
Sent: Tuesday, April 05, 2011 11:49 AM
To: Angela Boyea
Subject: OPUS solution : 15630891.DAT 000195204

FILE: 15630891.DAT 000195204

NGS OPUS SOLUTION REPORT
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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: 1563089t.11o TIME: 18:49:13 UTC

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SOFTWARE: page5 1009.28 master10.pl 121510              START: 2011/03/30 19:15:00
EPHEMERIS: igr16293.eph [rapid]                          STOP: 2011/03/30 23:35:00
NAV FILE: brdc0890.11n                                    OBS USED: 10370 / 10835     : 96%
ANT NAME: TRM14532.10                                  # FIXED AMB:    68 /    69     : 99%
ARP HEIGHT: 2                                            OVERALL RMS: 0.010(m)
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REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.2435)

X: -2715621.414(m) 0.016(m)	-2715622.126(m) 0.016(m)
Y: -3998850.719(m) 0.021(m)	-3998849.413(m) 0.021(m)
Z: 4147163.045(m) 0.007(m)	4147163.166(m) 0.007(m)

LAT: 40 49 6.19880 0.019(m)	40 49 6.21619 0.019(m)
E LON: 235 49 10.39958 0.014(m)	235 49 10.34313 0.014(m)
W LON: 124 10 49.60042 0.014(m)	124 10 49.65687 0.014(m)
EL HGT: -27.491(m) 0.011(m)	-27.927(m) 0.011(m)
ORTHO HGT: 3.202(m) 0.029(m) [NAVD88 (Computed using GEOID09)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 10)	SPC (0401 CA 1)
Northing (Y) [meters]	4519267.170	667184.703
Easting (X) [meters]	400449.765	1816083.627
Convergence [degrees]	-0.77167681	-1.42575848
Point Scale	0.99972198	0.99989468
Combined Factor	0.99972629	0.99989899

US NATIONAL GRID DESIGNATOR: 10TDL0044919267(NAD 83)

BASE STATIONS USED

PID	DESIGNATION		LATITUDE	LONGITUDE	DISTANCE(m)
DH3867	P162 TABLEBLUFFCN2004	CORS ARP	N404127.922	W1241413.276	14921.9
AJ6965	TRND TRINIDAD HEAD	CORS ARP	N410313.972	W1240903.065	26270.9
DG8511	P169 FICKLEHILLCN2004	CORS ARP	N404728.104	W1235803.494	18225.5

NEAREST NGS PUBLISHED CONTROL POINT

LV0786	SAMOA HAMMOND REDWOOD CO STACK	N404907.167	W1241051.267	49.2
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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.