

Lee Drennan

From: opus <opus@ngs.noaa.gov>
Sent: Thursday, March 09, 2017 10:08 AM
To: Lee Drennan
Subject: OPUS solution : 03070670.17o OP1489075647437

FILE: 03070670.17o OP1489075647437

2005 NOTE: The IGS precise and IGS rapid orbits were not available
2005 at processing time. The IGS ultra-rapid orbit was/will be used to
2005 process the data.
2005

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: ldrennan@mphinc.com DATE: March 09, 2017
RINEX FILE: 0307067r.17o TIME: 16:08:05 UTC

SOFTWARE: page5 1209.04 master55.pl 160321 START: 2017/03/08 17:22:00
EPHEMERIS: igu19393.eph [ultra-rapid] STOP: 2017/03/08 22:30:00
NAV FILE: brdc0670.17n OBS USED: 3425 / 12806 : 27%
ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 82 / 102 : 80%
ARP HEIGHT: 1.8000 OVERALL RMS: 0.023(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2017.1831)

X: -37808.510(m) 0.230(m) -37809.315(m) 0.230(m)
Y: -5528037.284(m) 0.096(m) -5528035.787(m) 0.096(m)
Z: 3170480.665(m) 0.107(m) 3170480.484(m) 0.107(m)

LAT: 30 0 4.46981 0.049(m) 30 0 4.48893 0.049(m)
E LON: 269 36 29.29255 0.231(m) 269 36 29.26213 0.231(m)
W LON: 90 23 30.70745 0.231(m) 90 23 30.73787 0.231(m)
EL HGT: -24.530(m) 0.136(m) -25.913(m) 0.136(m)
ORTHO HGT: 1.632(m) 0.230(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 15) SPC (1702 LA S)

Northing (Y) [meters] 3321787.414 166777.174
Easting (X) [meters] 751589.386 1090830.055
Convergence [degrees] 1.30480354 0.47074702
Point Scale 1.00038101 0.99992574
Combined Factor 1.00038486 0.99992959

US NATIONAL GRID DESIGNATOR: 15RYP5158921787(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO8512	MARY MARY_289 LSU C4G CORS ARP	N300122.709	W0895446.801	46260.5
DP7419	INRI LOYOLA UNIVERSITY CORS ARP	N295613.211	W0900707.837	27295.8
DJ9603	LWES LAKEWOOD ELMENTRY CORS ARP	N295401.295	W0902057.833	11910.5

NEAREST NGS PUBLISHED CONTROL POINT

AU2896	HOPE RM 5	N295954.952	W0902345.495	492.9
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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.