



Real Distance <realdistanceltd@gmail.com>

OPUS solution : ErbR33IRQ_R_20222010000_01D_01S.22O OP1659270677861

1 message

opus <opus@ngs.noaa.gov>
Reply-To: ngs.opus@noaa.gov
To: realdistanceltd@gmail.com

Sun, Jul 31, 2022 at 3:33 PM

FILE: ErbR33IRQ_R_20222010000_01D_01S.22O OP1659270677861

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://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: realdistanceltd@gmail.com DATE: July 31, 2022
RINEX FILE: erbr2010.22o TIME: 12:33:10 UTC

SOFTWARE: page5 2008.25 [master297.pl](#) 160321 START: 2022/07/20 00:00:00
EPHEMERIS: igr22193.eph [rapid] STOP: 2022/07/20 23:59:00
NAV FILE: brdc2010.22n OBS USED: 59172 / 60461 : 98%
ANT NAME: UNIUA35 NONE # FIXED AMB: 167 / 248 : 67%
ARP HEIGHT: 0.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2022.5493)

X: 3700764.917(m) 0.010(m) 3700763.366(m) 0.010(m)
Y: 3588827.599(m) 0.007(m) 3588829.279(m) 0.007(m)
Z: 3744028.959(m) 0.013(m) 3744030.255(m) 0.013(m)

LAT: 36 10 22.94692 0.008(m) 36 10 22.97978 0.008(m)
E LON: 44 7 12.89366 0.003(m) 44 7 12.98510 0.003(m)
W LON: 315 52 47.10634 0.003(m) 315 52 47.01490 0.003(m)
EL HGT: 543.260(m) 0.017(m) 544.070(m) 0.017(m)
ORTHO HGT: [No NGS Geoid Model Available.]

UTM COORDINATES STATE PLANE COORDINATES
UTM (Zone 38) *** NOTE ***

Northing (Y) [meters] 4003500.009 Please manually select
Easting (X) [meters] 420882.694 SPC zone.
Convergence [degrees] -0.51928056
Point Scale 0.99967712
Combined Factor 0.99959189

US NATIONAL GRID DESIGNATOR: 38SMF2088303500(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
	BSHM	915371.0		
	DRAG	952484.8		
	ZECK	872586.8		

NEAREST NGS PUBLISHED CONTROL POINT

DK4115 IQALUIT WAAS CORS ARP N634353.319 W0683235.430 7462587.6

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.