



Real Distance <realdistanceltd@gmail.com>

OPUS solution : BagR88IRQ_R_20222010618_01D_01S.22O OP1659270514290

1 message

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

Sun, Jul 31, 2022 at 3:30 PM

FILE: BagR88IRQ_R_20222010618_01D_01S.22O OP1659270514290

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 =====

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: bagr201g.22o TIME: 12:29:56 UTC

SOFTWARE: page5 2008.25 [master252.pl](#) 160321 START: 2022/07/20 06:18:00
EPHEMERIS: igr22193.eph [rapid] STOP: 2022/07/20 22:59:30
NAV FILE: brdc2010.22n OBS USED: 38898 / 39774 : 98%
ANT NAME: UNIUA35 NONE # FIXED AMB: 139 / 160 : 87%
ARP HEIGHT: 0.000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2022.5496)

X: 3815135.152(m) 0.007(m) 3815133.585(m) 0.007(m)
Y: 3725976.802(m) 0.003(m) 3725978.550(m) 0.003(m)
Z: 3487269.255(m) 0.001(m) 3487270.580(m) 0.001(m)

LAT: 33 21 30.97753 0.004(m) 33 21 31.01166 0.004(m)
E LON: 44 19 21.45076 0.005(m) 44 19 21.54144 0.005(m)
W LON: 315 40 38.54924 0.005(m) 315 40 38.45856 0.005(m)
EL HGT: 41.816(m) 0.005(m) 42.628(m) 0.005(m)
ORTHO HGT: [No NGS Geoid Model Available.]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 38) *** NOTE ***
Northing (Y) [meters] 3691247.911 Please manually select
Easting (X) [meters] 436979.104 SPC zone.
Convergence [degrees] -0.37248611
Point Scale 0.99964897
Combined Factor 0.99964241

US NATIONAL GRID DESIGNATOR: 38SMB3697991248(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
	RAMO	952708.1		
	DRAG	861056.2		
	BSHM	869836.5		

NEAREST NGS PUBLISHED CONTROL POINT

DK4115 IQALUIT WAAS CORS ARP N634353.319 W0683235.430 7751126.8

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.