



Real Distance <realdistanceltd@gmail.com>

OPUS solution : KukR60IRQ_R_20222010000_01D_01S.22O OP1659270803278

1 message

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

Sun, Jul 31, 2022 at 3:35 PM

FILE: KukR60IRQ_R_20222010000_01D_01S.22O OP1659270803278

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: kukr2010.22o TIME: 12:34:46 UTC

SOFTWARE: page5 2008.25 [master296.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: 60155 / 60721 : 99%
ANT NAME: UNIUA35 NONE # FIXED AMB: 190 / 228 : 83%
ARP HEIGHT: 0.000 OVERALL RMS: 0.019(m)

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

X: 3716169.423(m) 0.006(m) 3716167.857(m) 0.006(m)
Y: 3709670.429(m) 0.003(m) 3709672.138(m) 0.003(m)
Z: 3608902.919(m) 0.004(m) 3608904.240(m) 0.004(m)

LAT: 34 40 49.72318 0.003(m) 34 40 49.75658 0.003(m)
E LON: 44 56 59.47991 0.003(m) 44 56 59.57088 0.003(m)
W LON: 315 3 0.52009 0.003(m) 315 3 0.42912 0.003(m)
EL HGT: 226.696(m) 0.006(m) 227.529(m) 0.006(m)
ORTHO HGT: [No NGS Geoid Model Available.]

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

Northing (Y) [meters] 3837611.439 Please manually select
Easting (X) [meters] 495406.518 SPC zone.
Convergence [degrees] -0.02853333
Point Scale 0.99960026
Combined Factor 0.99956469

US NATIONAL GRID DESIGNATOR: 38SMD9540737611(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
	BSHM		942586.5	
	ZECK		1051203.7	
	DRAG		953907.3	

NEAREST NGS PUBLISHED CONTROL POINT

DK4115 IQALUIT WAAS CORS ARP N634353.319 W0683235.430 7644438.1

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.