



Real Distance <realdistanceltd@gmail.com>

OPUS solution : AmaR99IRQ_R_20222300000_01D_01S.22O OP1663168060471

1 message

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

Wed, Sep 14, 2022 at 6:10 PM

FILE: AmaR99IRQ_R_20222300000_01D_01S.22O OP1663168060471

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: September 14, 2022
RINEX FILE: amar2300.22o TIME: 15:09:44 UTC

SOFTWARE: page5 2008.25 [master277.pl](#) 160321 START: 2022/08/18 00:00:00
EPHEMERIS: igs22234.eph [precise] STOP: 2022/08/18 23:59:00
NAV FILE: brdc2300.22n OBS USED: 35869 / 36441 : 98%
ANT NAME: UNIUA35 NONE # FIXED AMB: 228 / 259 : 88%
ARP HEIGHT: 0.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2022.6290)

X: 3685768.731(m) 0.007(m) 3685767.125(m) 0.007(m)
Y: 3992555.400(m) 0.009(m) 3992557.162(m) 0.009(m)
Z: 3328748.944(m) 0.010(m) 3328750.323(m) 0.010(m)

LAT: 31 39 49.28306 0.006(m) 31 39 49.31766 0.006(m)
E LON: 47 17 16.90836 0.004(m) 47 17 16.99850 0.004(m)
W LON: 312 42 43.09164 0.004(m) 312 42 43.00150 0.004(m)
EL HGT: 0.404(m) 0.012(m) 1.303(m) 0.012(m)
ORTHO HGT: [No NGS Geoid Model Available.]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 38) *** NOTE ***
Northing (Y) [meters] 3505433.645 Please manually select
Easting (X) [meters] 716927.870 SPC zone.
Convergence [degrees] 1.20153056
Point Scale 1.00018042
Combined Factor 1.00018036

US NATIONAL GRID DESIGNATOR: 38RQA1692805434(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DK7831	ISNA IRAQ SURVEY NAJAF CORS ARP			280451.4
	BSHM	1160518.7		
DK4489	ISBA IRAQ SURY BAGHDAD CORS ARP			326022.8

NEAREST NGS PUBLISHED CONTROL POINT

DK4115 IQALUIT WAAS CORS ARP N634353.319 W0683235.430 8040115.8

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.