# 42U2

Installation Date: 7/14/2025

Coordinates Valid: 7/15/2025 09:13 MDT

More information: https://igage.com/out/CORS/42U2\_MorganUT/index.htm

## Connecting

Direct Connection: may be faster, has less connection glue

**Address Port Type Message**

apis1.us 2006 DIP RTCM3.3 MSM4

apis1.us 2007 NTRIP RTCM3.3 MSM4 user: user password: user

Brokered Connection: goes through the iGage ntrip caster

**Address Port Type Message**

apis1.us 2101 NTRIP RTCM3.3 MSM4 user: igage password: 2337

Radio: not currently available by UHF radio

## Static Data

Full constellation 1Hz, files are available by FTP:

 Address: apis1.us

 User: igage
 Password: 2337

1Hz Rinex: Look in /rinex

Daily Files (30 second, GPS only): Look in /dailys/42u2

Daily OPUS files for trending: /opus/42u2

## OPUS Solution

 USER: mark@igage.com DATE: July 15, 2025

RINEX FILE: 42u2196a.25o TIME: 14:57:02 UTC

 SOFTWARE: page5 2008.25 master271.pl 160321 START: 2025/07/15 00:00:00

 EPHEMERIS: igu23752.eph [ultra-rapid] STOP: 2025/07/15 11:00:00

 NAV FILE: brdc1960.25n OBS USED: 29897 / 31093 : 96%

 ANT NAME: ARFAS13DFS ARFS # FIXED AMB: 124 / 127 : 98%

ARP HEIGHT: 0.0001 OVERALL RMS: 0.012(m)

 REF FRAME: NAD\_83(2011)(EPOCH:2010.0000) ITRF2020 (EPOCH:2025.5349)

 X: -1779851.201(m) 0.005(m) -1779852.216(m) 0.005(m)

 Y: -4477566.355(m) 0.004(m) -4477565.071(m) 0.004(m)

 Z: 4167340.759(m) 0.005(m) 4167340.617(m) 0.005(m)

 LAT: **41 2 47.98536** 0.005(m) 41 2 47.99929 0.005(m)

 E LON: 248 19 19.10600 0.006(m) 248 19 19.04534 0.006(m)

 W LON: **111 40 40.89400** 0.006(m) 111 40 40.95466 0.006(m)

 EL HGT: 1534.970(m) 0.002(m) 1534.260(m) 0.002(m)

 ORTHO HGT: 1551.135(m) 0.051(m) [NAVD88 (Computed using GEOID18)]

Ellipsoid Height: 1534.970

L1 Phase Center Offset: 0.11413

Phase Center: **1535.0841**

## Reference Station Configuration



## Tracking



## Antenna Configuration

