



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

Reference Station?

CMR ID:

RTCM 2.x ID:

RTCM 3.x ID:

Station Name:

Station Code:

☐ Cartesian ☒ Geographical

Reference Latitude: ° ' " ☒ N ☐ S

Reference Longitude: ° ' " ☐ E ☒ W

Reference Height: [m]

Tracking

Tracking?

Elevation Mask °
 Everest™
 Clock Steering

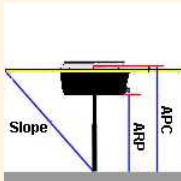
Type	Signal	Enable	Options
GPS	L1 - C/A	☒	
GPS	L1C	☒	
GPS	L2E	☒	L2C and L2E▼
GPS	L2C	☒	CM + CL▼
GPS	L5	☒	I + Q▼
SBAS	L1 - C/A	☒	
SBAS	L5	☒	
GLONASS	L1 - C/A	☒	
GLONASS	L1P	☒	
GLONASS	L2P	☒	L2 - C/A(M) and P▼
GLONASS	L2 - C/A	☒	
GLONASS	L3	☒	Data + Pilot▼
Galileo	E1	☒	
Galileo	E5 - A	☒	
Galileo	E5 - B	☒	
Galileo	E5 - AltBOC	☒	
Galileo	E6	☒	
BeiDou	B1	☒	
BeiDou	B1C	☒	
BeiDou	B2	☒	
BeiDou	B2A	☒	
BeiDou	B2B	☒	
BeiDou	B3	☒	
QZSS	L1 - C/A	☐	
QZSS	L1S	☐	
QZSS	L2C	☐	
QZSS	L5	☐	
QZSS	L6	☐	
NavIC	L5 - C/A	☐	

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Antenna Configuration

Antenna Configuration?

Antenna Type
 RINEX Name
 Antenna Serial Number
 Radome Serial Number
 Antenna Measurement Method
 Antenna Height [m]



Apply Antenna Correction to:
 RTCM V3 ☐