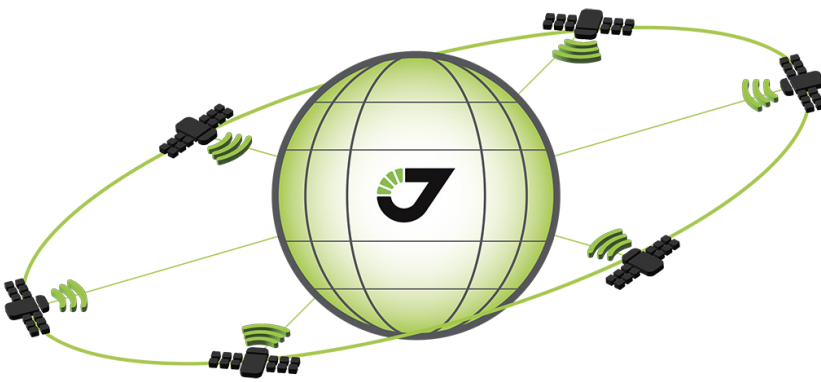




J-Star

Precise Point Positioning (PPP) Subscription Service



Key Features

- Round-the-clock Service
- Real Time cm-level Positioning
- 80 GNSS Receiver Network
- 6 Geostationary Satellites
- Two Network Control Centers
- Delivery via L-Band & NTRIP
- GPS, Galileo, GLONASS, BeiDou
- Worldwide Land Service

J-Star Precise Point Positioning (PPP) for JAVAD receivers adds centimeter level accuracy without base stations or RTK networks. J-Star uses internal algorithms with broadcast satellite orbit and clock corrections to converge on a cm-level position independently without traditional differential corrections. This accurate positioning service is very useful in remote areas, when outside wireless link coverage or when base station setup and operation is not feasible. J-Star is a global service, and activation only requires the receiver to be turned on.

Worldwide Average Position

Axis	RMS (m)	95% (m)
North	0.011	0.017
East	0.012	0.020
Height	0.030	0.052

Convergence Time

- 10 cm in 1000 s
- 5 cm in 2000 s

Derived in static and dynamic conditions without any position filters.

System Architecture

- 3 Orbit & Clock Calculation Centers
- GNSS Receiver Diversity
- 2 Network Control Centers
- 2 Backup Network Control Centers
- 6 Primary Uplink Locations
- Backup Uplink Locations
- 6 Geostationary Satellites
- 2 NTRIP Casters



Figure 2: J-Star Height Accuracy in cm

J-Star is a subscription service, and included in selected JAVAD products for 1 year. Subscriptions apply after the first year. Contact sales@javad.com or your local dealer for J-Star capable receivers.