

Atlas FAQ

Atlas is an innovative, industry-leading GNSS-based global L-band correction service, providing robust performance at competitive market prices. Atlas is a flexible and scalable service, delivering its correction signals via L-band satellites at accuracies ranging from meter to sub-decimeter levels. Leveraging more than 200 reference stations worldwide and with L-band satellites distributing Atlas corrections, the entire globe is virtually covered. The Atlas GNSS global correction service provides correction data for GPS, GLONASS, BeiDou, and Galileo constellations.

Atlas Pricing

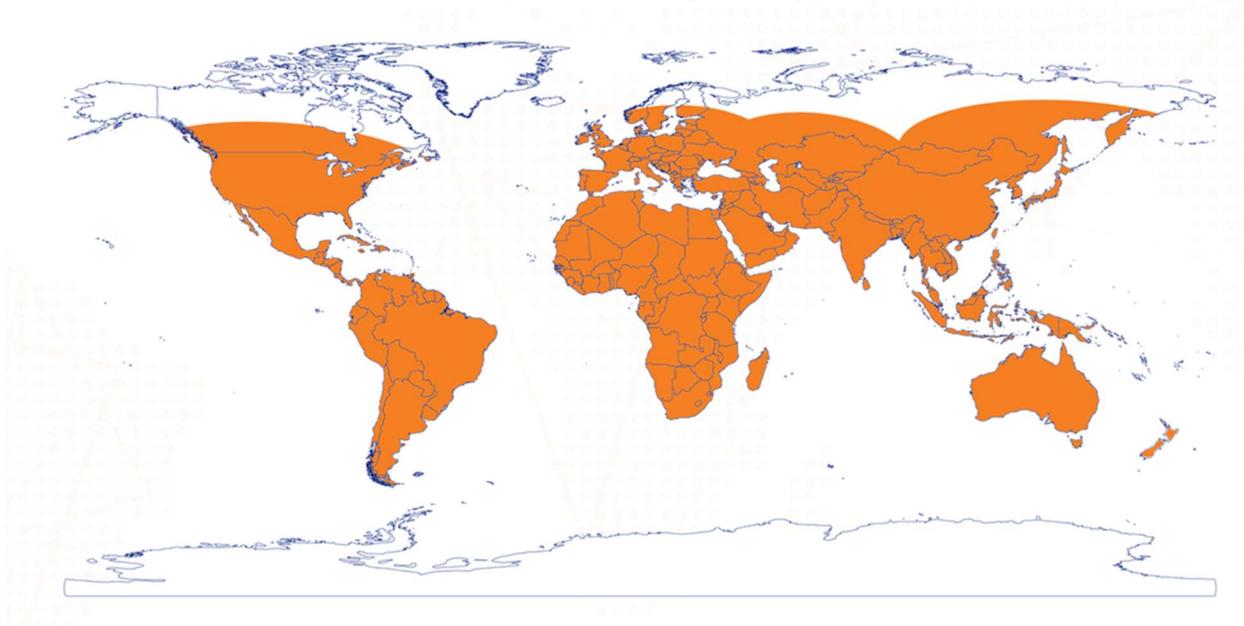
Service	3 Months	1 Year
Atlas Basic	Included	Included
Atlas Broad-Acre	N/A	\$450 USD
Atlas Row-Crop	\$450 USD	\$1,000 USD

GNSS Performance

Service	R95 P2P 15 min	R95 ABS	Convergence Time
ATLAS Basic	30 cm (12")	< 100 cm (40")	~ 1 min
SBAS	30 cm (12")	< 100 cm (40")	~ 1 min
ATLAS Broad-Acre	15 cm (6")	50 cm (20")	< 10 min ~ 1 min (AutoSeed)
ATLAS Row-Crop	4 cm (1.5")	8 cm (3")	~30 min ~ 1 min (AutoSeed)
RTK	2.5 cm (1")	2.5 cm (1")	~1 min

Accuracies and convergence times depend on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity

Global Coverage Map



Tips and Information

- All A222 antennas come with SBAS and Atlas Basic
- The Rebel must be rebooted when adding Atlas codes to sync the receiver with the terminal; this will update the status screens
- The Rebel must be rebooted when switching to another correction type
- The number of Atlas satellites tracked will vary but normally will be 5-11 (L1, G1) and 3-9 (L2, G2)

Autoseed

The Autoseed feature (on by default) allows the Rebel to “seed” the GNSS position using the Atlas L-Band service on a previously known position

- 1) Park the tractor with a clear view of open sky, turn off the Rebel system and do not move the tractor while the receiver is turned off
- 2) Come back to the machine after an indefinite period of time (i.e. after lunch break, next day or longer)
- 3) The Atlas solution should be available almost immediately once L-Band messages are available, no waiting for convergence of service
- 4) Resume operation