

For Immediate Release

Hemisphere GNSS Announces Major Enhancements to Its Atlas® GNSS Global Correction Service

Atlas continues to deliver flexible and scalable corrections and now offers instant global sub-meter positioning

HANNOVER, GERMANY – November 13th, 2017 – Today, at Agritechnica 2017, Hemisphere GNSS (hall 15, booth E10) announces a series of major enhancements to its [Atlas GNSS Global Correction Service](#), including Atlas Basic, Atlas AutoSeed, and the addition of global ionospheric modeling to the system. Atlas is a flexible, scalable, and industry-leading GNSS-based global L-band correction service, providing robust performance and correction data for GPS, GLONASS, and BeiDou, at market-leading prices. Delivering its correction signals via L-band satellites at accuracies ranging from meter to sub-decimeter levels, Atlas also leverages approximately 200 reference stations worldwide, providing coverage to virtually the entire globe.

In an unprecedented move in the correction service market, Hemisphere is now offering Atlas Basic. Atlas Basic provides users of both single- and multi-frequency Atlas-capable hardware the ability to achieve SBAS-equivalent performance anywhere in the world where the Atlas correction service is available. Atlas Basic is a ground-breaking new feature that offers a proven accuracy of 30 cm (pass-to-pass 95%)* to 50 cm (absolute 95%)* and offers instantaneous sub-meter accuracy allowing for DGPS-level accuracy.

“Having the ability to easily scale your correction service levels based on specific use cases is essential to our customers and OEM partners,” states Miles Ware, Director of Marketing, Hemisphere GNSS. “With the addition of Atlas Basic, we are making it easier for anyone with an Atlas-capable single- or multi-frequency, multi-GNSS receiver to achieve sub-meter, SBAS-equivalent positioning accuracy virtually anywhere on earth.”

Also included in the enhanced Atlas system is the addition of global ionospheric modeling. Using real-time ionospheric data, Atlas adjusts its corrections accordingly, providing instantaneous convergence for sub-meter accuracy. Atlas’ new AutoSeed™ technology allows users to suspend Atlas use for any period, and upon returning to their last location, AutoSeed rapidly re-converges to a high-accuracy converged position.

Atlas is available on all Hemisphere Atlas-capable single- and multi-frequency, multi-GNSS hardware and complements third-party GNSS receivers by allowing them to use Atlas corrections with Hemisphere’s innovative [SmartLink™](#) and [BaseLink™](#) capabilities. When using multi-frequency hardware, Atlas corrects more satellites than ever before, to create faster convergence times, and is robust and reliable in canopy or foliage covered areas. With both single- and multi-frequency hardware, Atlas achieves instant global sub-meter positioning accuracy, comparable to, and typically more robust than SBAS, since Atlas corrections contain data from multiple available constellations.

Hemisphere Atlas service levels:

Service Level	Position Accuracy
Atlas Basic	50 cm 95% (30 cm ^{RMS})*
H30	30 cm 95% (15 cm ^{RMS})*
H10	8 cm 95% (4 cm ^{RMS})*

Availability

Hemisphere is currently offering Atlas Basic as an activation on all Atlas-capable single- and multi-frequency Hemisphere products purchased before February 1, 2018. Correction service users will no longer need subscriptions for Atlas Basic service levels at 50 cm (95%) accuracies.

For more information about Atlas, Atlas Basic, and Atlas AutoSeed, please call +1 (844) 217-2845 (within Canada / USA only) or +1 (480) 348-6380, or email atlas@hgns.com.

Please visit us in hall 15, booth E10 at Agritechnica 2017 until November 18 in Hannover, Germany to learn more about Atlas in person.

** Based on 15-minutes convergence time. Also depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity.*

About Hemisphere GNSS

Hemisphere GNSS is an innovative technology company that designs and manufactures high-precision positioning products and services for use in OEM/ODM, marine, machine control & guidance, agriculture, and L-band correction service markets. Hemisphere holds numerous patents and other intellectual property and sells globally with several leading product and technology brands including [Athena™](#), [Atlas®](#), [Crescent®](#), [Eclipse™](#), and [Vector™](#) for high-precision applications. Hemisphere is based in Scottsdale, AZ, USA, with offices located around the globe, and is part of Beijing UniStrong Science & Technology Co., Ltd.

For more information, please contact:

Gabriel Grenier-Baird
Hemisphere GNSS
Phone: +1 (480) 348-6380
Email: Press@HGNS.com
www.HGNS.com