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# Spire Taps Galileo for Space-Based Weather Data

## Space to cloud data company first to use Europe's Galileo satellite navigation system for advanced weather observations

SAN FRANCISCO, Dec. 11, 2018 (GLOBE NEWSWIRE) -- Spire Global, Inc, the world's largest space to cloud analytics company, today announced Spire's most recently launched satellites are the first satellites in the world to use Galileo GNSS signals to measure radio occultation (GNSS-RO) profiles in a production capacity for the weather community. This industry first was announced today at The Morgan Stanley Space Summit in NYC, and will now be offered to the entire audience of Spire's global user base as a new tier of data for advanced weather prediction. These satellites are also part of a larger collaborative European Space Agency (ESA) program called ARTES Pioneer 'Space As A Service'. The new satellite deployments represent the first Spire satellites launched through the Pioneer program for ESA, which is supported by the UK Space Agency.

Observing Galileo radio occultations now enables Spire's weather observation satellites to harvest approximately 25% of the total GNSS-RO profiles available from the existing GNSS satellite constellations in orbit today. This unrivaled capability was put into use just one week after launch, which not only demonstrates Spire's ability to quickly get satellites into production but also illustrates the flexibility of Spire's software and hardware chain to support fast updates. These satellites are developed, assembled, and tested at Spire's centralized global production facility in Glasgow, Scotland.

"We exponentially increased the number and quality of payloads we have launched this year, more importantly, we are passionately committed to lead and inspire innovations in the business of earth observation," said Peter Platzer, CEO, Spire Global, Inc.

Similar to the US Global Positioning System (GPS), the Galileo GNSS program is Europe's initiative for a state-of-the-art global navigation satellite system, providing a highly accurate, guaranteed global positioning service under civilian control. When complete in 2020, the full operational capability of the Galileo constellation will consist of 30 satellites.

Spire has become an industry standard in the commercial aerospace sector and operates one of the largest constellations of private nanosatellites and ground station networks in the world. The company has also launched strategic partnerships across a myriad of verticals, including deals with NASA, ESA and key players in the weather, maritime and aviation sectors.

### About Spire Global, Inc.

Spire Global, Inc. is a space to cloud analytics company that utilizes proprietary satellite data and algorithms to provide the most advanced maritime, aviation, and weather tracking in the

world. Spire's data analytics is backed by a wholly-owned and developed constellation of nanosatellites, global ground station network, and 24/7 operations that provide real-time global coverage of every point on Earth. To learn more, visit: [www.spire.com](http://www.spire.com)

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