

Private Remote Sensing License Public Summary

On September 15, 2010 the Commercial Remote Sensing Regulatory Affairs Office of the National Oceanic and Atmospheric Administration, an agency of the Department of Commerce, granted GeoMetWatch, Inc., a license to operate a private, Geostationary Hyperspectral Imaging/Sounding System. The license permits the company to operate up to six satellites in Geo orbit providing hyperspectral Imaging and Sounding products for advanced environmental and weather observations. Each satellite operating a GeoMetWatch payload will be designated, GMW-1, GMW-2.....GM-6.

GMW-1 is anticipated to launch in the 4th Quarter of 2013 as a co-hosted payload on a commercial communications satellite and will operate in geosynchronous orbit. GMW-1 is licensed to observe and deliver simultaneous imaging and sounding products. Each GeoMetWatch sensor is licensed to make the following observations:

Pan Imaging band at up to 300m GSD

Visible/Near IR bands (0.5 - 3.5 micron) at up to 500m GSD

Hyperspectral Data (4.3-15.2 micron) (0.6-2.5 cm⁻¹ spectral resolution) at up to 2km GSD

GSD= ground sample distance

Depending on customer need, GeoMetWatch will provide a minimum of Level 1b radiances from each band/channel. Level 1b denotes calibrated and geo-located data. GeoMetWatch can also provide derived sounder products (Level 2 and Level 3), including high vertical resolution profiles of water vapor, temperature, pressure, altitude resolved water vapor winds, sea surface temperature and land surface emissivity. Special products will be provided upon customer request. Each GeoMetWatch sensor makes full-disk observations of all bands every 20 minutes to 1 hour. Regional observation (1000km x 1000km) modes allow faster observation of severe weather areas, hurricanes and typhoons every 1-5 minutes. Larger customer specified observation regions (i.e. CONUS) are possible.

The GeoMetWatch space based remote sensing system will encompass a hyperspectral sounder with basic imaging capability co-hosted on a commercial satellite bus. The sensor, operational system and data products will be developed and built by academic and industry partners and will be primed by the Utah State University Research Foundation's (USURF), Space Dynamics Lab (SDL) in Logan, Utah.

GeoMetWatch is a privately held company focused on the commercial development of technologically advanced, space weather and environmental observation systems. The company's products and services will be available globally under an innovative fee for service data buy model that will enable its clients to meet their critical atmospheric data needs with optimum efficiency and affordability.

For further information please visit www.geometwatch.com or contact:

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