



## Hisdesat promotes an innovative scientific experiment through the PAZ satellite

-The proposed concealment and Precipitation Extreme Radio (ROHP) is led by the Space Science Institute (ICE) of the CSIC and has the support of the NASA Jet Propulsion Laboratory (JPL), National Oceanic and Atmospheric Administration (NOAA ) and Hisdesat.

**Madrid, January 3, 2011.** - The Spanish company of government services by satellite, **Hisdesat** at the forefront of technological innovation in the sector of government services by satellite, is working on innovative scientific expertise in the field of radio atmospheric occultation which were first measured the occultation of radio signals in the two polarizations, within the satellite earth observation synthetic aperture radar technology, PAZ.

The radio occultation experiment will see how to hide the GPS signals as they pass through the atmosphere and analyze changes in the received signal, introduce the various elements including weather and extreme precipitation. Thus, it is possible to improve predictions on atmospheric behavior, such as rains, floods and take the necessary measures to avoid potential disasters associated.

Currently, the project is being validated and subsequently integrated into the satellite PAZ, with the big news that offers the study of signals in the two polarizations. It is planned to develop a network through the NOAA, which will receive data directly registered with the PAZ and distributed to various agencies in near real time weather as valuable aid in predicting various phenomena and prevent some of its consequences.

This science experiment confirms the commitment that keeps Hisdesat with science and research, through its various communication satellites, earth observation and satellite AIS.

### **About Hisdesat**

Hisdesat was founded in 2001 as operator of government services by satellite to act primarily in the areas of defense, security, intelligence and foreign affairs. Since 2005, the company provides secure satellite communications to government agencies of different countries and is currently developing new satellites in two areas: Earth Observation and Information of the worldwide maritime traffic by satellite (AIS). More information: [www.hisdesat.es](http://www.hisdesat.es)

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