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## Press Release

**Gaithersburg, MD, May 2012:** Optical Scientific Inc. (OSI) Optical Rain Gauges as used by NASA and NOAA offer unparalleled advanced liquid precipitation detection and measurement. Now OSI optical rain gauges are better than ever. OSI's newest optical rain gauge built on over 20 years of optical rain gauge experience is the ORG-815-DS. When sensitivity and speed of response are imperative OSI Optical Rain Gauges offer sensitivity and response advantages that simply are not possible with traditional tipping bucket rain gauges.



The ORG-815-DS uses OSI's patented optical sensing techniques and will report precipitation within five seconds of the first rain drop falling through the sensor's sample volume. In applications, such as monitoring propagation conditions for satellite communications where quick response is critical, the ORG-815-DS is the perfect sensor. In addition the ORG-815-DS built in memory and extra I/O capability make adding additional sensors a convenient factory configured option. Complete weather stations including wind, temperature, relative humidity, and barometric pressure sensors may be built around the ORG-815-DS. Never before has such an advanced weather station been so easy to configure.

OSI is the clear leader in optical meteorological sensor technology and has been so for over two decades, selling mainly to system integrators. Now entire OSI weather stations are being sold directly to system integrators and end users. By providing the complete system, OSI ensures customer satisfaction, system reliability, and unprecedented customer technical support. The OSI weather station is a cost effective and high grade Automated Weather Station (AWS). AWS built around the ORG-815-DS as the key sensor do not require a separate data acquisition system. The extra I/O capability of the ORG-815-DS allows other sensors to be integrated into the system. The result is an advanced weather station at best value pricing.

For even greater capability the AWS may be built around the OWI-432-DS (AC power available) or the OWI-650-DS (battery and solar power installations). The OWI-432-DS and OWI-430-DS are state-of-the-art present weather and visibility sensors.

OSI is an industry leader in optical meteorological sensors. The ORG-815-DS, OWI-430-DS, and OWI-650-DS use patented environmentally adaptive algorithms based on artificial intelligence technology derived from over 300 million field hours of real-world OSI sensor data. OSI's sensors provide critical weather data to airport, highway, military, research and meteorological weather information users worldwide at over 2500 sites.

