

## Press release

# Countdown to Blast Off : StellarNet BLUE-Wave Spectrometers Go to Space

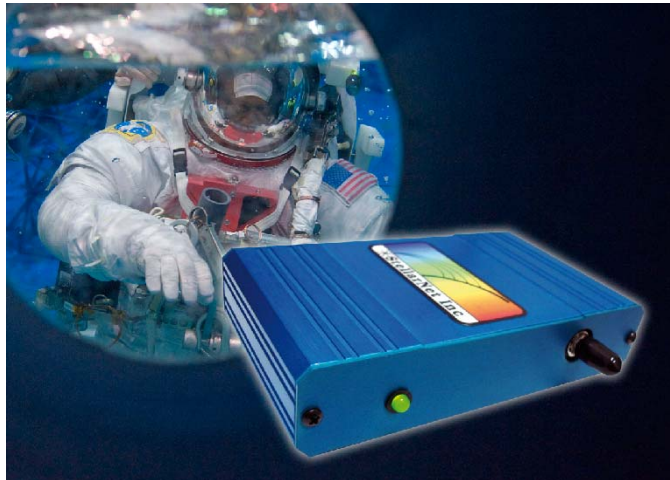
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**Wessling, 06 October 2009** BLUE-Wave spectrometers will be launched aboard the Atlantis shuttle on mission STS-129 scheduled to launch Nov 12, 2009 to study the performance, stability, and long-term survivability of external components on the International Space Station.

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Commander Charlie Hobaugh will lead the STS-129 mission to the International Space Station aboard space shuttle Atlantis. The mission will return station crew member Nicole Stott to Earth. STS-129 is slated to be the final space shuttle crew rotation flight to or from the space station. Atlantis will deliver parts to the space station, including a spare gyroscope. The mission will feature three spacewalks.



The newly released StellarNet BLUE-Wave Spectrometers are fiber optic coupled instruments with a wide selection of models for measurements in 190-1150nm wavelength ranges. Each unit contains a USB interface with a snap shot memory to provide instantaneous spectral image from the highly sensitive CCD with options for 2048 or 3648 elements.

Various models provide a choice of grating range and slit resolutions. New and improved electronics with a high speed 16-bit digitizer allows for fast data acquisition and a signal to noise of 1000:1! Up to 8 units can be daisy chained together and are able to run simultaneously.

Additionally the new BLUE-Wave spectrometers can be powered directly from your PC USB-2 port. A single strand fiber optic cable or probe assembly delivers input via standard SMA 905 fiber optic connector with a choice of cable lengths. The spectrograph optics are exceptionally robust in a vibration tolerant modular design, with no moving parts.

### **About StellarNet Products:**

Since 1993, StellarNet has been producing low cost miniature fiber optic spectrometers and accessories for industrial and academic applications worldwide. StellarNet is now one of the world's leading producers of ruggedized spectrometers for wavelength ranges of 190-2300nm and attributes its success to the eXtreme engineering of its internal optical benches, gratings, extruded electronics and detectors, and airflow optimized aluminum enclosures. StellarNet spectrometers contain no moving parts, detector sockets, or screws, allowing for extended life and eXtreme durability.

### **For further information please contact:**

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