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**Global Science & Technology to Demo Unique Weather Forecasting Systems at
Maryland Capitol NASA-Goddard Day**



Global Science & Technology, Inc.'s Gene Shaffer explains some of Global Science & Technology's innovative weather products to two students attending the Maryland Capitol NASA-Goddard Day event.

Annapolis, MD – Global Science & Technology, Inc. Maryland's leading innovators of weather forecasting products, will be demonstrating its state-of-the-art weather forecasting systems: DirectMet, WAFS/MetLab, and its newest system called MODIS at the Maryland State Capitol, Presidential Conference Center West Miller Senate Office on Thursday, February 21, 2008.

All three systems receive images and analyze information from weather satellites.

The first system, called DirectMet, is an affordable and powerful workstation that allows the user to capture, analyze, and display live satellite weather images. DirectMet is a complete direct read-out and analysis system for geostationary satellite imagery. All data capture, product generation, and data analysis functions can be performed on a single computer. Meteorologists, broadcasters, and educators worldwide use DirectMet ground systems daily.

“Our main discriminator is the Tropical Storm and Hurricane Analysis software in DirectMet,” explained Global Science & Technology Weather Group Director Gene Shaffer.

The second, called the World Area Forecast System (WAFS)/MetLab is more sophisticated, but equally impressive.

“This workstation is used by National Weather Service at its forecasting offices and by over 20 other countries around the world,” Shaffer said. “It combines worldwide observations, computer generated charts and computer model forecasts into one display for forecasting and aviation support.”

WAFS/MetLab is a weather information workstation developed in partnership with the New Jersey-based company 3SI. The system integrates weather reception, display, analysis, and briefing packages into a complete, professional forecasts workstation.

The system can also be configured to handle almost every other type of weather data and imagery, including satellite, Doppler radar, lightning, wind and even Tsunami alerts.

Along with the DirectMet and WAFS, Global Science & Technology will show it’s newest system called MODIS or Moderate Resolution Imaging Spectroradiometer.

“We developed an end-to-end direct readout MODIS ground system that integrates a very high quality polar tracking antenna and reception system supplied by Orbital Systems, Inc. with Global Science & Technology’s processing and analysis software package,” explained Shaffer.

All three systems are being demonstrated during the NASA-Goddard Space Flight Center Day at the Maryland State Capitol, Presidential Conference Center West Miller Senate Office on Thursday, February 21, 2008.

Global Science & Technology will also be displaying two DVD’s developed by the Scientific Visualization Studio at Goddard. They are: “A Tour of the Cryosphere, the Earth’s Frozen Assets” and “Multisensor Fire Observations.”

The mission of the Scientific Visualization Studio (SVS) is to facilitate scientific inquiry and outreach within NASA programs through visualization. To that end, the SVS works closely with scientists in the creation of visualization products, systems, and processes in order to promote a greater understanding of Earth and Space Science research activities at Goddard Space Flight Center and within the NASA research community.

Global Science & Technology animators and scientists actively support Goddard’s SVS.

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