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**West Virginia Technology Firm Global Science & Technology To Help Manage
New Environmental Satellite Data**

Fairmont, WV – When the new environmental satellite known as the National Oceanic and Atmospheric Administration (NOAA)-19 launched on February 6, few people took notice. Among those who did recognize the importance of the launch were the software developers and engineers at Global Science & Technology (GST) in Fairmont, West Virginia. GST is a team member responsible for planning, design, development and testing of the enterprise systems that houses data originating from NOAA-19.

NOAA-19 is the fifth in a series of five Polar-orbiting Operational Environmental Satellites (POES) with advanced microwave sounding instruments that provide imaging and sounding capabilities. As it orbits the Earth, NOAA-N Prime will collect data about the Earth's surface and atmosphere that are vital inputs to NOAA's weather forecasts.

The data are archived in NOAA's Comprehensive Large Array-data Stewardship System (CLASS) for research, analysis, and to support other NOAA weather and climate initiatives. That's where Global Science & Technology's expertise in applying and using information technology comes into play.

"We are already receiving NOAA-19's pre-operational data and that is tremendous news for the entire program," said Bell. "We are excited about being part of building an enterprise system that will eventually house hundreds of petabytes (1000 terabytes) of environmental data that will help us better understand our environment and changing climate."

The CLASS program supports the mission of the NOAA's Satellite and Information Service to archive and disseminate environmental data. The development of CLASS is a long term, evolutionary process that incorporates current and new environmental data into the CLASS architecture. Since 2001, Global Science & Technology has been supporting the NOAA CLASS mission by providing highly effective, secure, and reliable computing and telecommunications resources, while also identifying methods for applying information technology to improve mission performance and reduce total program costs.

"That is our core competency and something we do better than any other company in the world," explained Brian Bell, Vice President and General Manager of GST's West Virginia Division. "Not only do we have a highly skilled and committed staff, but our ability to introduce innovation and creativity into the mix is what differentiates us."

Global Science & Technology is part of a joint venture known as Diversified Global Partners JV LLC, (DGP) that was awarded the NOAA CLASS contract in 2008. The contract has a maximum ordering value of \$200 million over the potential nine-year period of performance. The DGP CLASS GST Fairmont site is a key



component to the planning, design, development and testing of the NOAA CLASS project. The DGP NOAA/CLASS team consists of the Joint Venture partners DB Consulting Group Inc and Global Science & Technology Inc and subcontractors Computer Sciences Corporation, Operational Systems Inc and SM Resources Corporation.

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About NOAA CLASS

The vast CLASS data storehouse now holds 8.3 million archived files totaling 98 terabytes. The archive contains weather observations that reach as far back as the 1890s. By 2010, CLASS will be collecting an estimated 5,137 terabytes or 5.1 petabytes per year from existing and next-generation satellites and other sources. Currently, Global Science & Technology performs software design, development and testing activities for NOAA/CLASS in Fairmont, WV; Asheville, NC; Boulder, CO; and Greenbelt and Suitland, MD.

About Global Science & Technology, Inc.

Global Science & Technology, Inc. was founded in 1991. Currently, Global Science & Technology has offices in six locations: Greenbelt, Maryland; Washington, DC; Fairmont, West Virginia; Boulder, Colorado; Asheville, North Carolina; and Huntsville, Alabama. Global Science & Technology has built a highly specialized workforce that includes experts in key domains of engineering, science, communications, and information technology. Global Science & Technology provides all levels of scientific and technical expertise and support within the federal Research and Development (R&D) laboratory environment. Global Science & Technology's major clients include the National Aeronautics and Space Administration (NASA) Goddard Space Flight Center (GSFC), NASA Headquarters (HQ), NOAA, Department of Defense (DoD), Department of Justice (DOJ), and the State of West Virginia. Much of Global Science & Technology's work has been in direct support of NASA and NOAA science missions and related data systems. Global Science & Technology's signature emphasis is on systems interoperability and solutions based on open standards to create efficiencies and reduce overall cost of operations.

Partnering for Success



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