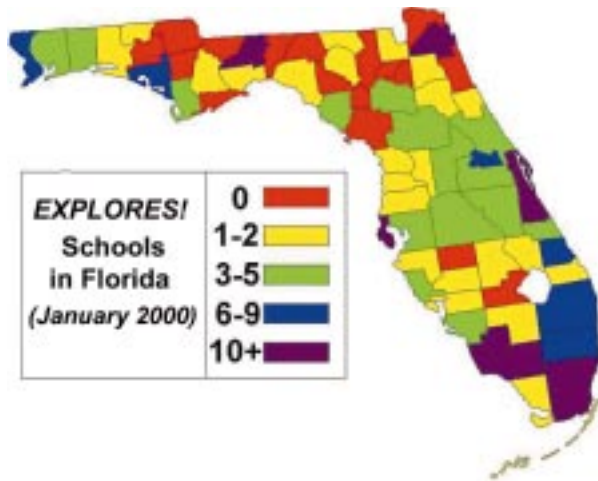


Did You Know...?

- The EXPLORES! family consists of over 200 weather satellite direct-readout ground stations in Florida public and private schools.
- Through this program, even kindergarteners can track complex weather systems such as cold fronts and hurricanes.
- Teachers from across the U.S. have also become part of this program.
- EXPLORES! is the largest single outreach program of its kind in the world.
- You can support EXPLORES! by purchasing the Challenger license plate. Call your local office of the Florida Department of Motor Vehicles to find out about ordering your Challenger plate!



How to Join EXPLORES!

- Each spring, EXPLORES! announces a call for applications for new participants. These applications are available through the EXPLORES! website. Selected teachers are trained in a summer workshop.
- Check the EXPLORES! website for more information on applying to become an EXPLORES! teacher:

<http://www.met.fsu.edu/explores/>



Department of Meteorology
Florida State University
303 Love Building
Tallahassee, FL 32306-4520

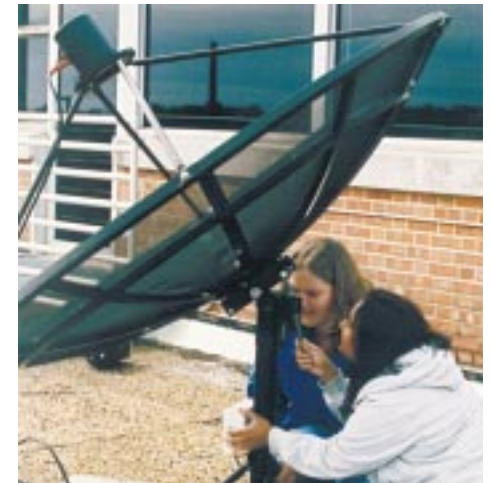
EXPLORES! Program



An Educational Outreach
Program of
Florida State University...

EXPLORES!

Implementing
Weather Satellite
Technology
Into K-12 Classrooms
Across Florida and
Around the Nation!



Dr. Paul Ruscher, Principal Investigator
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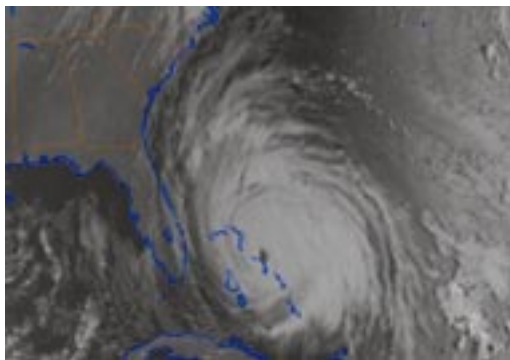
E-Mail: exploresadm@met.fsu.edu
<http://www.met.fsu.edu/explores/>

EXPLoring and Learning the Operations and Resources of Environmental Satellites!

EXPLORES! - What is it?

- A program designed to bring weather satellite receiving technology into the K-12 classroom, including the power to receive weather satellite pictures independent of the Internet.
- Implements the NOAA Direct Readout Weather Satellite Program.
- One of the premiere university-directed K-12 outreach programs in the world.
- Helps students understand the importance of weather in our world and the potential applications of satellite imagery.
- Increases scientific and computer literacy among students and teachers.

Hurricane Floyd as viewed from NOAA 15 on September 14, 1999 at 12:47 UTC CH2.



Check the EXPLORES! website for weather satellite imagery such as this at:
<http://www.met.fsu.edu/explores/>



EXPLORES! teachers have access to numerous resources through the program website, such as a discussion page, real time imagery from both polar orbiting and geostationary satellites, and links to other educational pages.

Project Goals

- For students to learn the scientific method and develop skills necessary to succeed in all college coursework.
- For students to effectively use real-time data to pursue classroom research initiatives in earth and physical sciences.
- Increase the number of schools nationwide that use weather satellite ground stations and imagery.
- Improve collaboration with, and utilization of, existing statewide and national projects such as GLOBE.

Our Teachers...

- Are trained in effective use of weather satellite technology.
- Acquire satellite-derived meteorological data and know their applications to earth and space sciences.
- Have access to unique resources such as GOES satellite and space shuttle launches, free software and hardware, grants and many workshops.
- Several have won high honors in local, regional, state and national forums.
- Use instructional technology (satellite receiving hardware, computer, software) in accordance with science, math and social studies standards - including the Sunshine State Standards and the National Science Education Standards.

Program Support



EXPLORES! is supported by the **Technological Research and Development Authority.**

Please visit them on-line at:
<http://www.trda.org/>