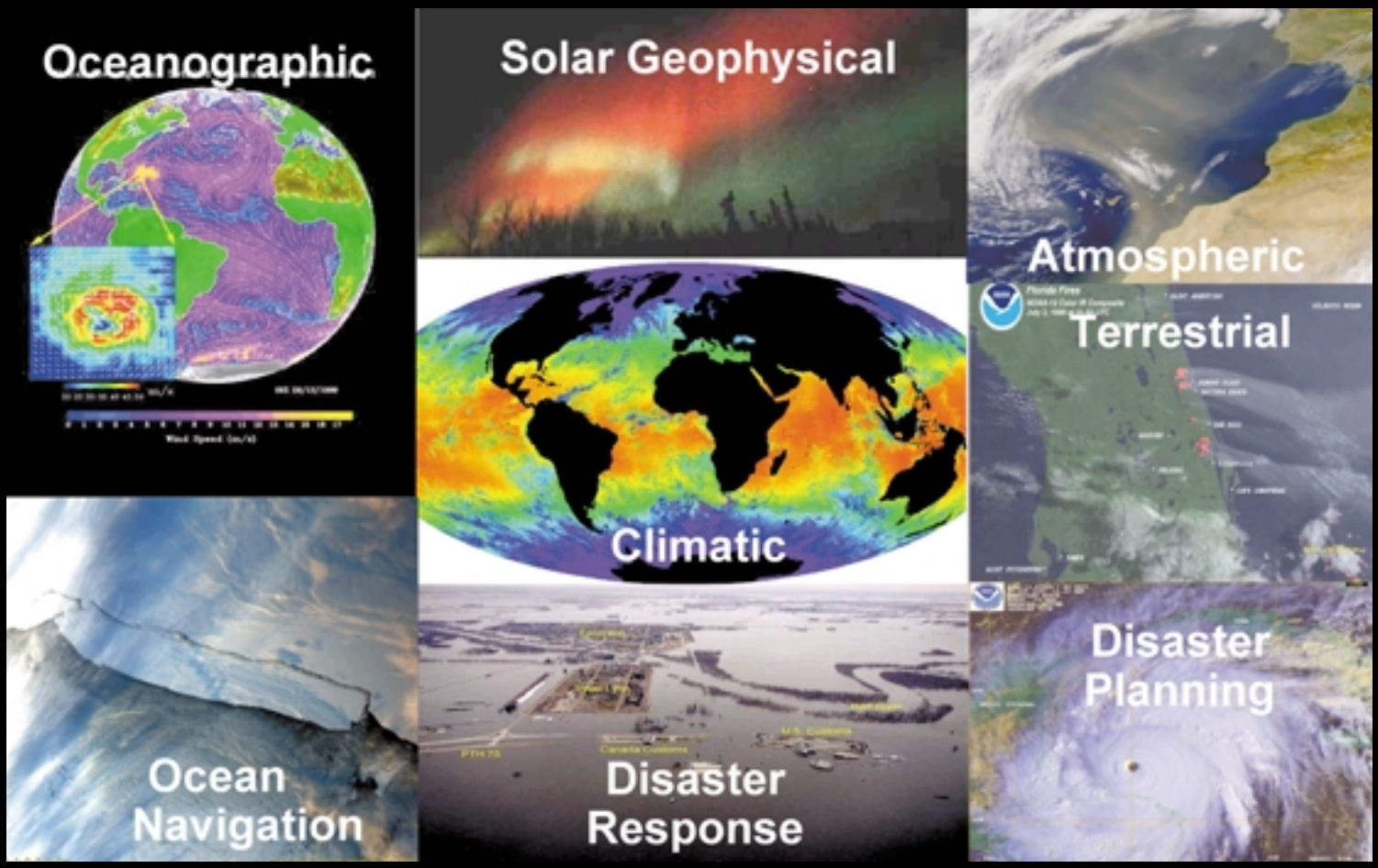
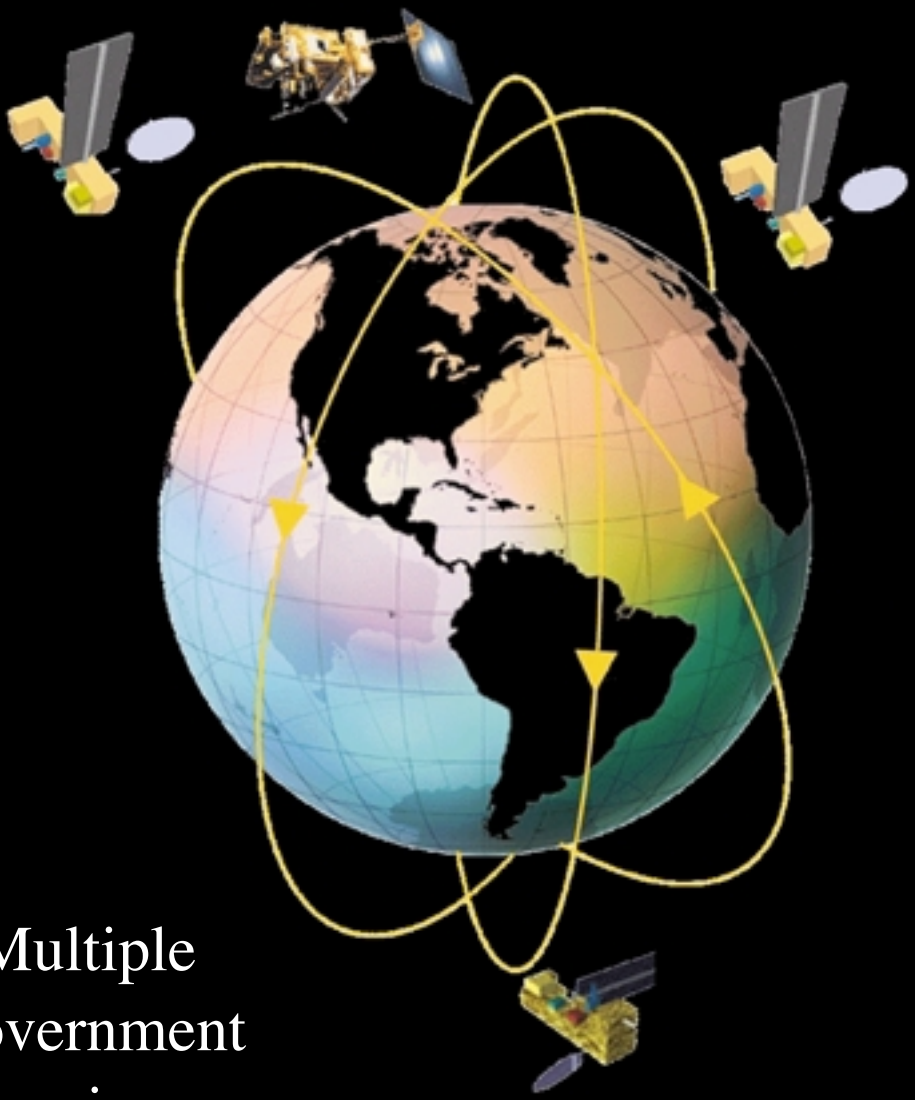


The NPOESS goal is to protect lives and property by observing the oceans, land, air, and space environment. These observations are turned into special data records that are used in many different ways. Weather forecasters can use the data to make better forecasts and predictions. Scientists can use the data to observe the climate globally and predict how the climate will change in the future. Emergency managers can use the information to help during disasters.

NPOESS

National Polar-orbiting Operational Environmental Satellite System



Multiple Government Agencies are working together to provide the future generation of weather satellites to observe the Earth's Environment

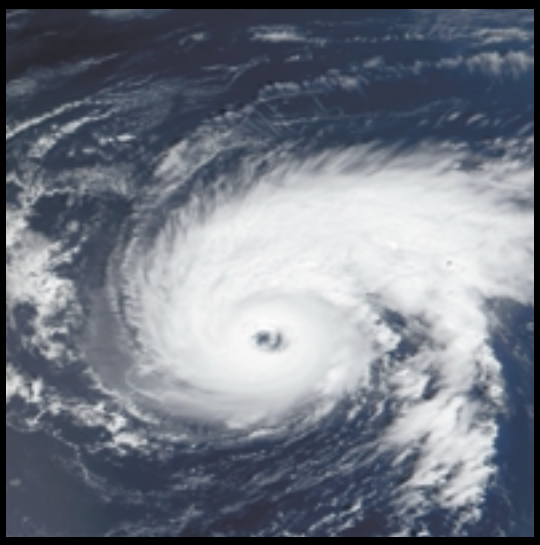
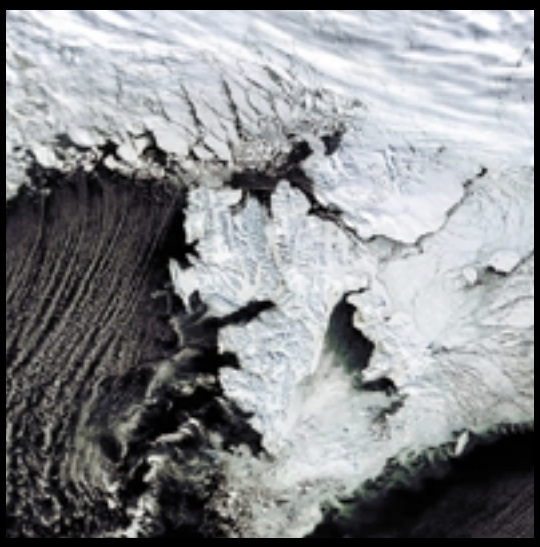


Image of a hurricane headed for the mainland.

Photograph of the Aurora Borealis; a phenomenon occurring in the Earth's space environment (courtesy of Jan Curtis)

This compiled image was taken by the current Air Force's weather satellites. It shows the city lights of the world at nighttime.



This unique image shows snow, ice, clouds, and ocean near the Arctic.

A beautiful ocean color image of the Bahamas. You can see the islands, the coral reefs, and various ocean features.

Of National Importance: NPOESS Program Director and staff brief President Bush and members of his cabinet

NPOESS provides data to military operations all over the world

NPOESS data will help emergency workers respond to disasters such as fires, hurricanes, and floods

National

The NPOESS program is made up of multiple government agencies and industry teams that are cooperating to serve our nation and our international neighbors.

Polar-orbiting

Our satellites orbit in circles around the earth at low altitudes. These orbits go over both poles on each pass, enabling the satellites to observe the entire Earth "close up". This enables more detailed images and information.

Operational

The science and technology will be well developed and understood so that the sensors and spacecraft operate reliably for many years. Important data will be sent in real-time to military users to support their war-fighting capabilities and emergency managers to support disaster relief.

Environmental

The sensors on board the spacecraft measure many environmental aspects of the Earth such as temperature, humidity, clouds, rainfall, etc.

Satellite System

NPOESS is a system of satellites that will cover the entire Earth and relay the information to the people needing it.

N P O E S S