

Power of Partnerships: *Prediction & Protection*



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Under Secretary of Commerce for Oceans & Atmosphere

Interdepartmental Hurricane Conference

March 20, 2006



Hurricane Katrina

Partnerships for Prediction and Protection

-  Earth Observations
-  Research & Modeling
-  Forecasting
-  Preparedness
-  Response & Recovery

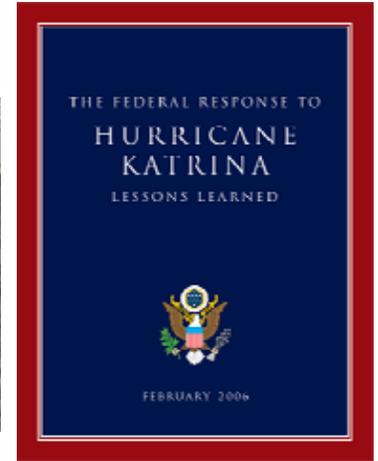
Hurricane Katrina

Impacted an area the size of Great Britain

1330 lives lost

770,000 displaced persons

~\$96 billion in damages



Partnerships for Prediction & Protection Hurricane Katrina





Partnerships for Prediction & Protection Earth Observations

Examples of Key Partners:

-  53rd Weather Reconnaissance Squadron
-  World Meteorological Organization
-  NOAA/NASA/DOE UAVs
-  FHWA
-  USGS





Partnerships for Prediction & Protection

GEOSS

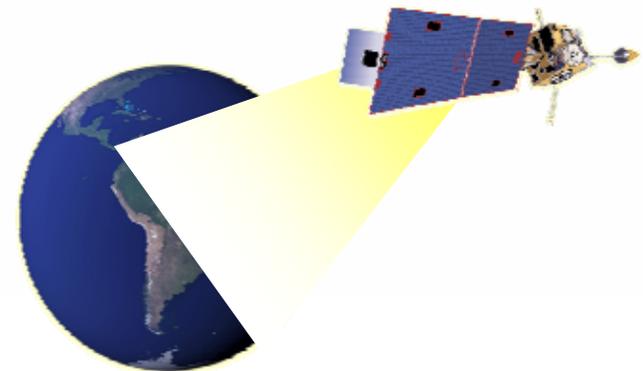
US GEO

Plans are being developed for the six following areas for completion in early 2006

- ☁ Air Quality
- ☁ Disasters
- ☁ NIDIS
- ☁ Sea Level Change
- ☁ Land Observations
- ☁ Architecture & Data Management

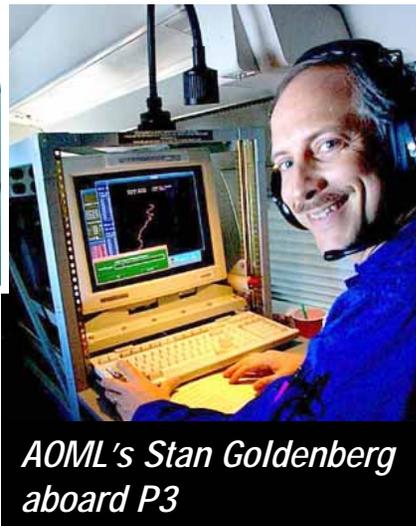
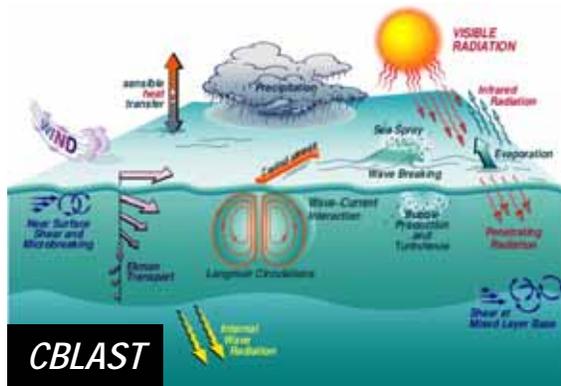
GEOSS

- ☁ 60 Member countries + 47 international organizations
- ☁ 9 Societal Benefit Areas include:
 - ☁ Disasters
 - ☁ Weather
- ☁ Tsunami Working Group – All Hazards Approach





Partnerships for Prediction & Protection Research & Modeling



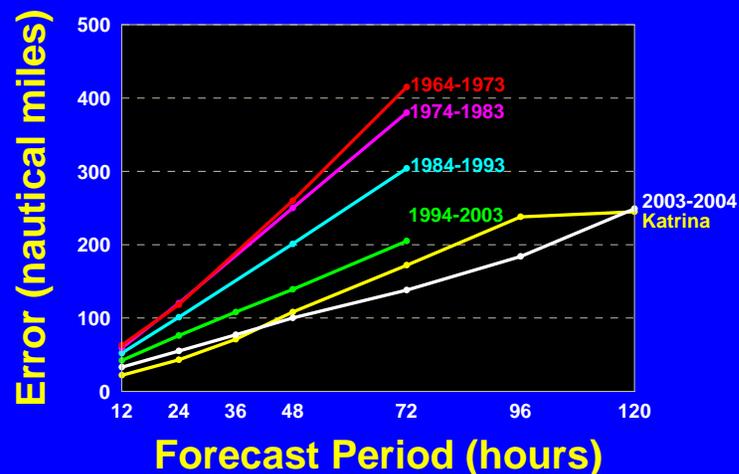
Key Partnerships

-  Joint Hurricane Testbed
-  Convective and Moisture Experiments (CAMEX)
-  Coupled Boundary Layer Air-Sea Transfer (CBLAST)
-  Hurricane Rainband and Intensity Change Experiment (RAINEX)
-  Tropical Cloud Systems and Processes (TCSP)

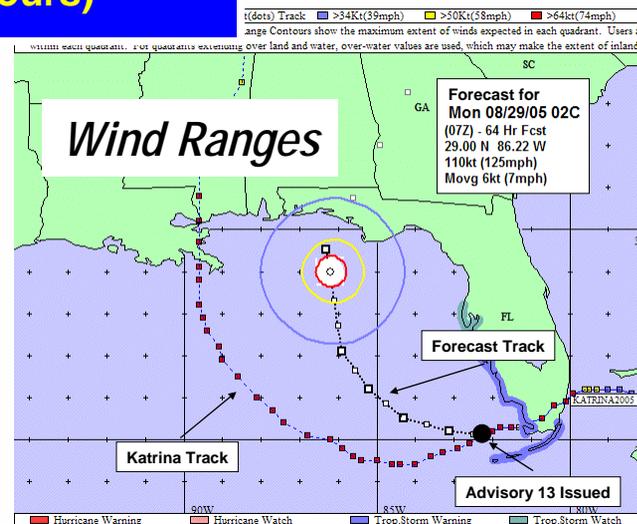


Partnerships for Prediction & Protection Forecasting

NATIONAL HURRICANE CENTER ATLANTIC TRACK FORECAST ERRORS



Hurricane Coordination Call





Partnerships for Prediction & Protection

Partners in Preparedness

Key Partners

-  Local & State Emergency Managers
-  NOAA
-  FEMA
-  Red Cross and other NGOs
-  Schools and Community Groups
-  World Meteorological Organization
-  USAF





Partnerships for Prediction & Protection Response & Recovery

Response

-  Warning
-  Evacuation
-  Pre-positioned Resources



Recovery

-  Rescues
-  Ports/Waterways
-  Hazardous Spills
-  Ecosystem Assessments
-  Food Safety





Partnerships for Prediction & Protection

The Vision

The goal is to access and provide the right information, in the right format, at the right time, to the right people, to make the right decisions.





Thank you

NOAA



USAF



US Navy



US Army Corps of Engineers



NASA



DHS



FEMA



NSF



DOE

DOI/USGS



USDA



DOT/FAA



American Red Cross



Local Emergency Managers

Academia

Private Sector Representatives





Questions?