

RSMC National Hurricane Center Miami, FL

Rockley, Christ Church, Barbados
November 2, 2010

National Hurricane Center- Miami, FL

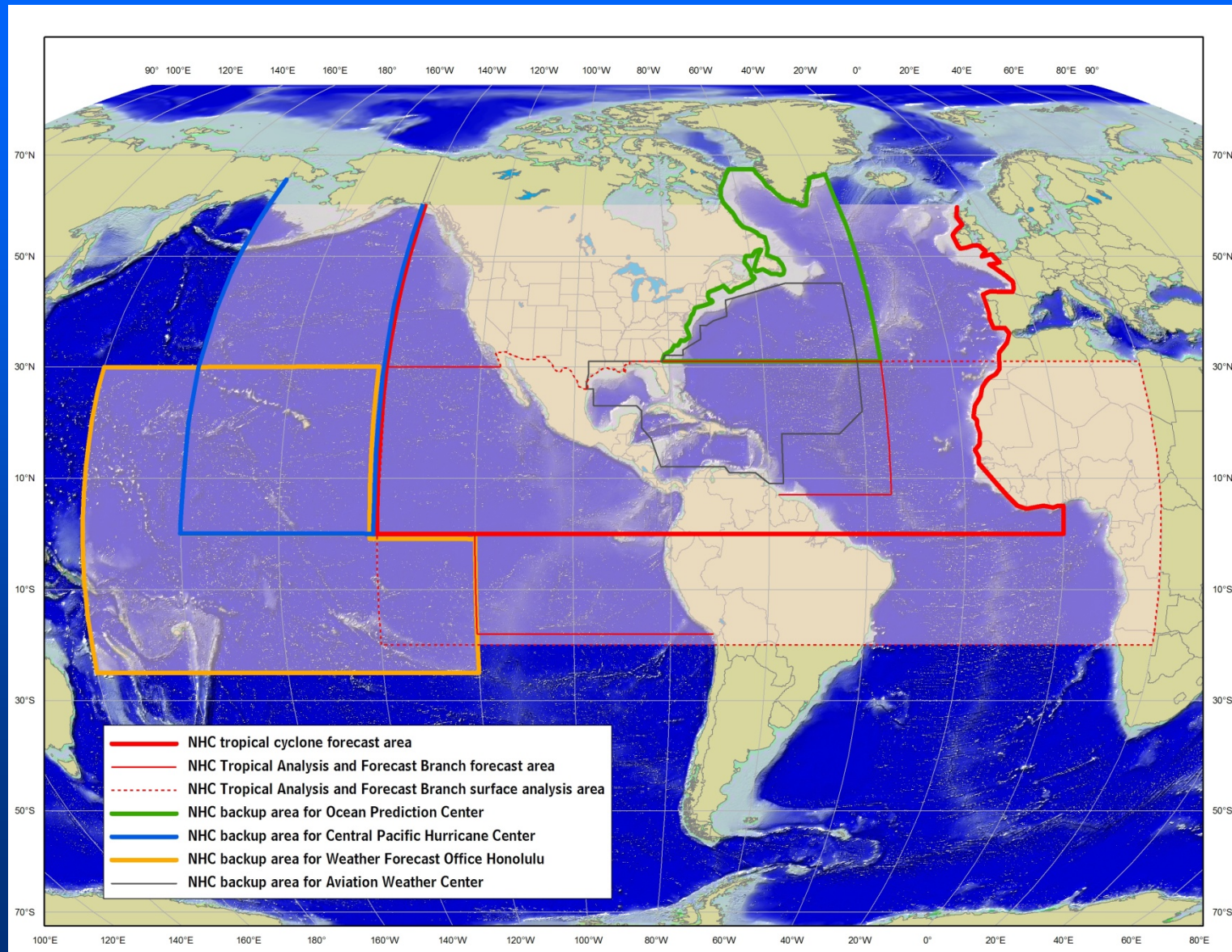


- Building opened 1995
- 25,000 square feet
- 10-inch thick walls made from 3000 cubic yards of concrete, reinforced with 45 miles of steel reinforcing rods
- More than 50 miles of electrical and communications wiring
- Base rests five feet above flood plain

THE NATIONAL HURRICANE CENTER:

- IS THE REGIONAL SPECIALIZED METEOROLOGICAL CENTER (RSMC) FOR THE WMO RA-IV HURRICANE COMMITTEE
- HAS OVERALL U.S. NATIONAL WEATHER SERVICE RESPONSIBILITY FOR TROPICAL CYCLONE FORECASTS AND WARNINGS FOR THE ATLANTIC AND EASTERN PACIFIC OCEANS EAST OF 140° WEST LONGITUDE (HURRICANE SPECIALIST UNIT)
- ISSUES MARINE FORECASTS AND GRAPHICAL PRODUCTS FOR PORTIONS OF THE ATLANTIC AND EASTERN PACIFIC (TAFB)

NHC AREAS OF RESPONSIBILITY

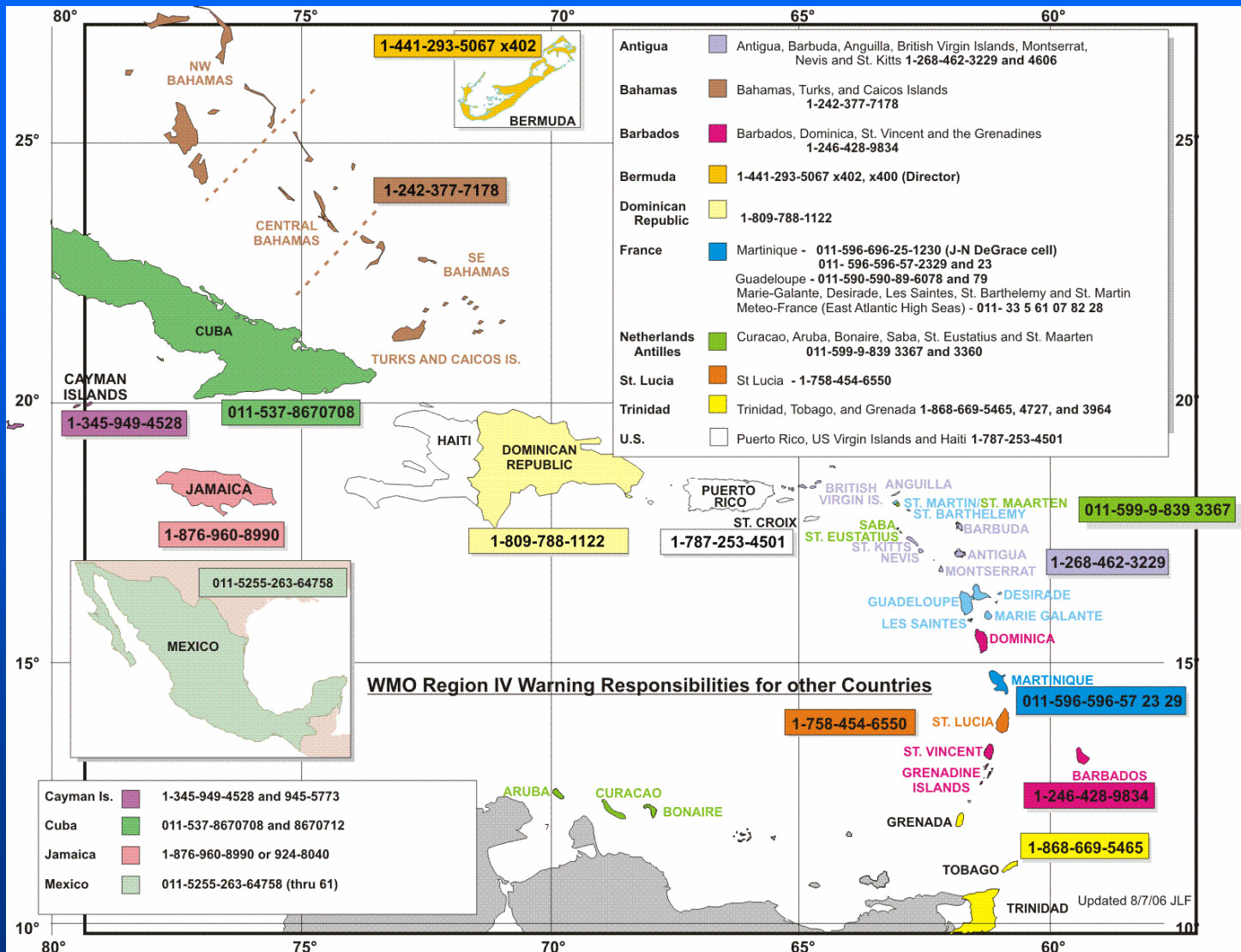


WORLD METEOROLOGICAL ORGANIZATION

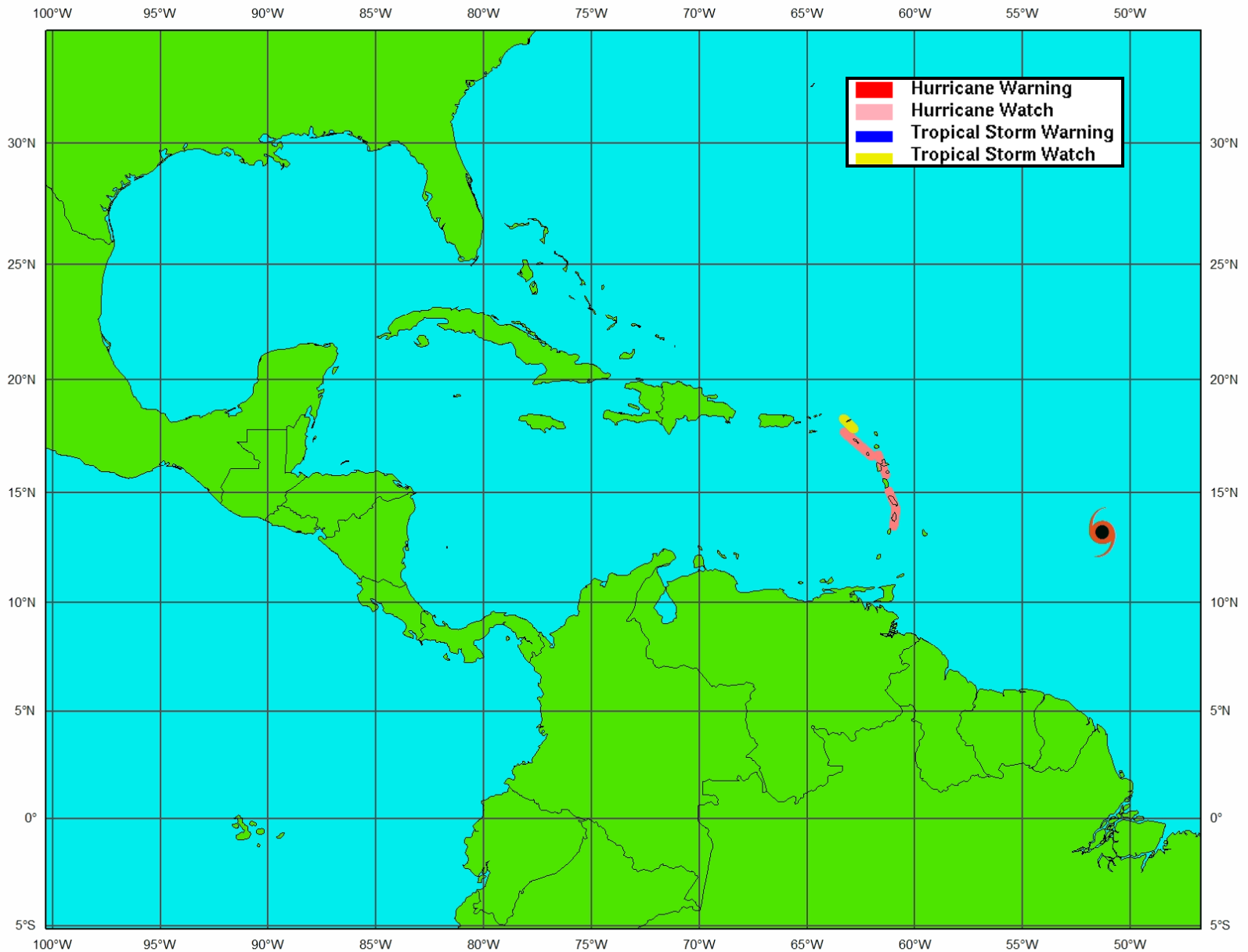
Regional Association IV (RA-IV) Coordination



Warning Coordination



Hurricane Dean watches and warnings



INTERNATIONAL COLLABORATION HIGHLIGHTS

- ❖ NHC is a United Nations World Meteorological Organization (WMO) “Regional/Specialized Meteorological Center” having sole government authority for issuing tropical cyclone forecasts for WMO Region Association (RA)-IV (and surrounding areas).**
- ❖ Open exchange of meteorological data among countries.**
- ❖ NHC provides forecasts and guidance on watches and warnings to 30 WMO member nations.**
- ❖ NHC hosts and teaches a two-week workshop on tropical cyclones for international government meteorologists.**
- ❖ NHC Director serves as Chair of the WMO RA-IV Hurricane Committee. Annual meeting updates the Region’s “Hurricane Operational Plan”.**
- ❖ U.S. conducts annual Caribbean Hurricane Awareness Tour.**

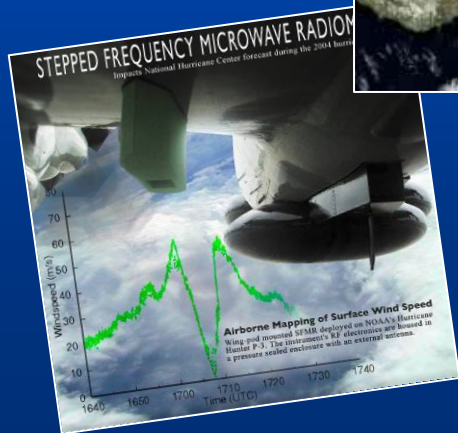
WMO RA-IV WORKSHOP ON HURRICANE FORECASTING AND WARNING



WMO Workshop



NOAA Aircraft Reconnaissance



Hurricane Recon

- Missions designed to start 36h before impact to RAIV member nations
- Coordinate tasking and clearance into member nation airspace
- Fly Caribbean Hurricane Awareness Tour (CHAT)

Caribbean Hurricane Awareness Tour (CHAT)

- Annual joint effort between the U.S. Air Force and NOAA's National Weather Service.
- Representatives travel aboard the Hurricane Hunter aircraft during a five to six city tour across Latin America and the Caribbean region to raise hurricane awareness and preparedness and meet with member nation officials.
- Tours of the Hurricane Hunter aircraft are available to residents. More than 22,000 people toured the aircraft during the 2010 CHAT.

CHAT 2009

Nassau

Poza Rica, MX

Villahermosa, MX

Piarco, Trinidad

San Juan

