

Coordination for hurricane watches, warning within the U.S. and the Caribbean Sea.

MEXICO

Lixion Avila

AMPATH Workshop

FIU 29 Jan 2003

Hurricane Lili
NOAA-16 AVHRR HRPT 1km
Multi-spectral False Color Image
October 2, 2002 @ 1947 UTC



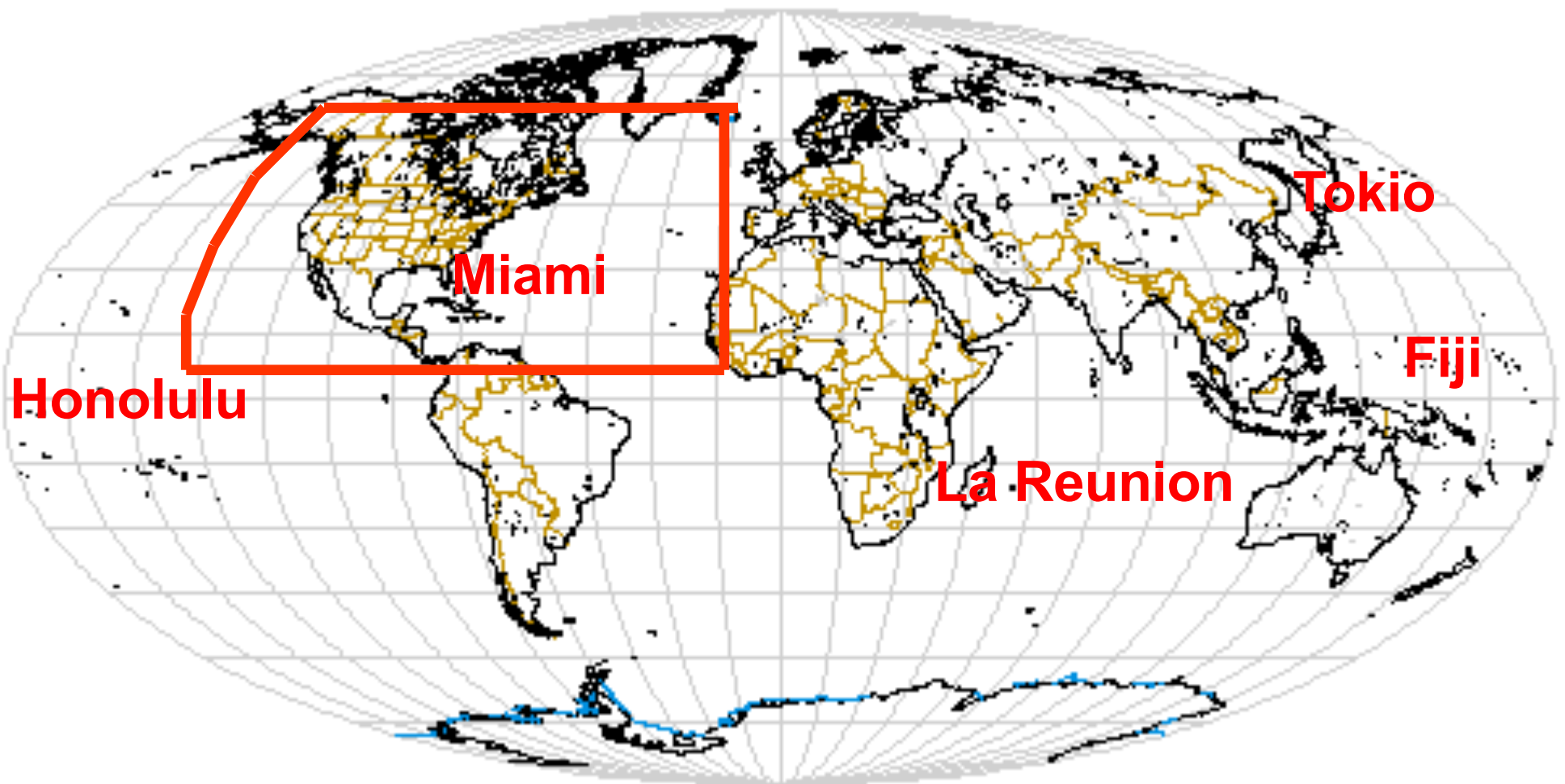
***Tropical Prediction Center/National Hurricane Center
RSMC Miami, Florida, USA***

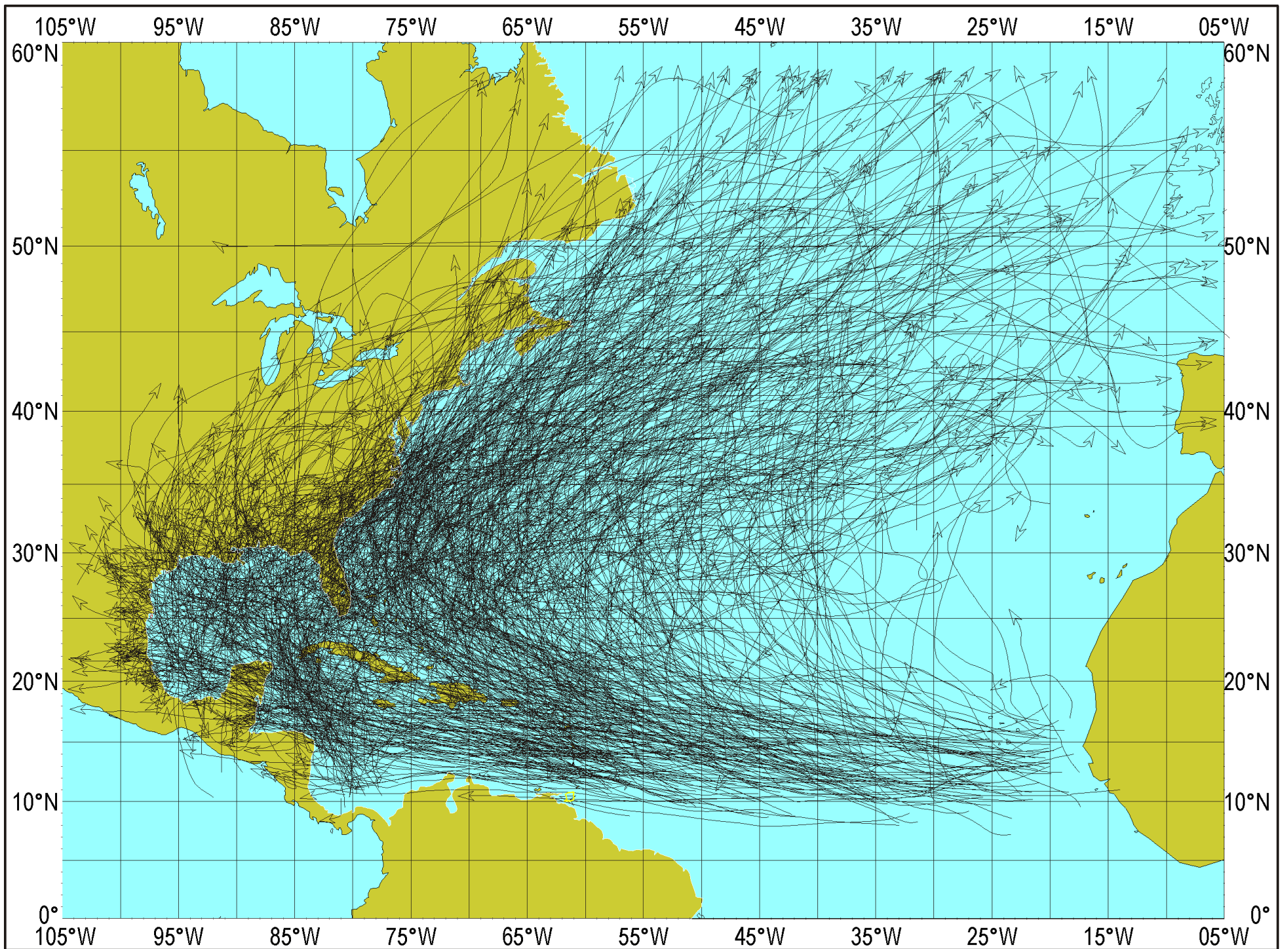
Communications



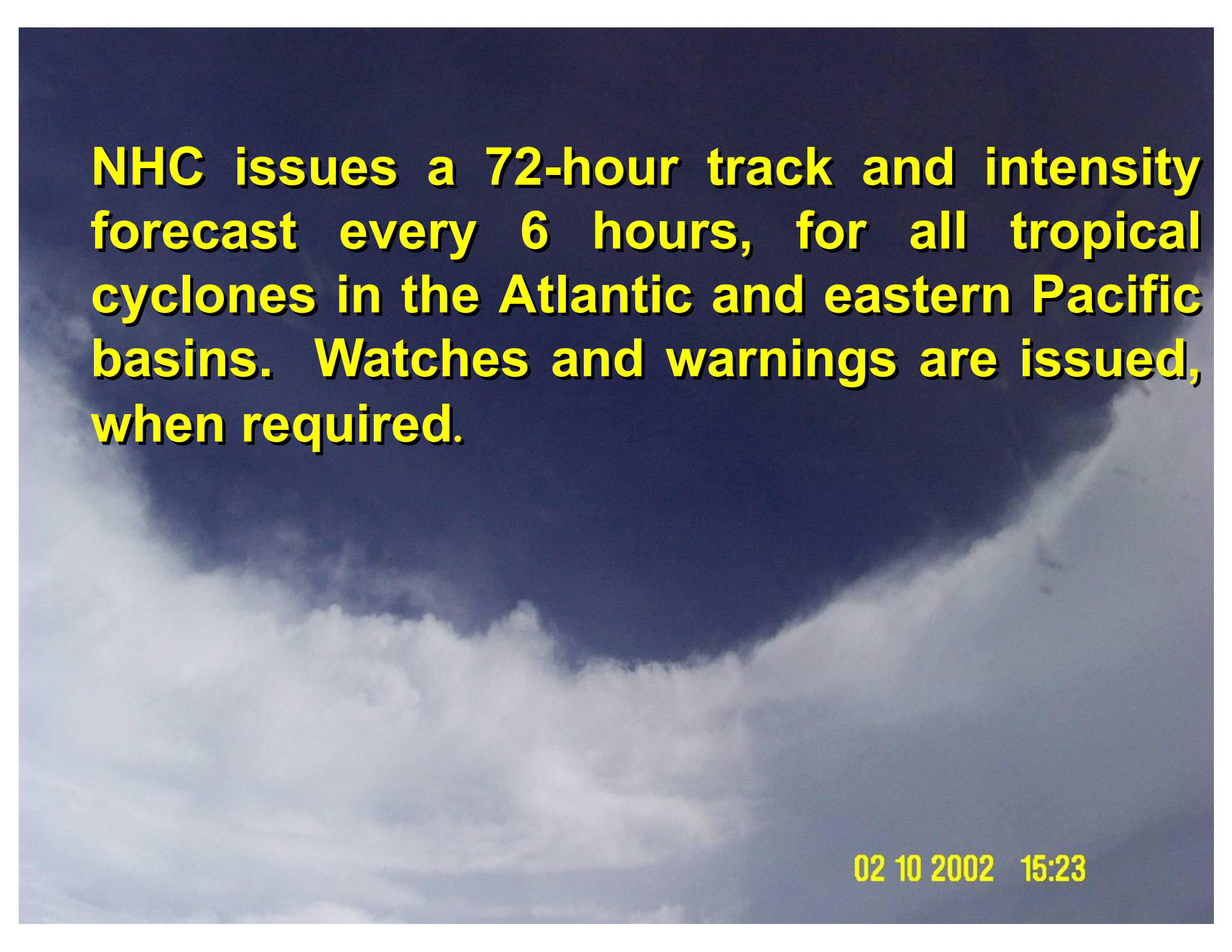
Regional/Specialized Meteorological Centers

WMO





NORTH ATLANTIC TROPICAL STORMS AND HURRICANES, 1886 -2000 (1013 STORMS)



NHC issues a 72-hour track and intensity forecast every 6 hours, for all tropical cyclones in the Atlantic and eastern Pacific basins. Watches and warnings are issued, when required.

02 10 2002 15:23

NWS Tropical Cyclone Program

- ***Multi-federal agency cooperation
DOC/DOD/DOT***
- ***NWS Operations Manual (C-41)
National Hurricane Operations Plan***
- ***WMO RA IV Hurricane Operational Plan***



1. Six-hour forecast cycle

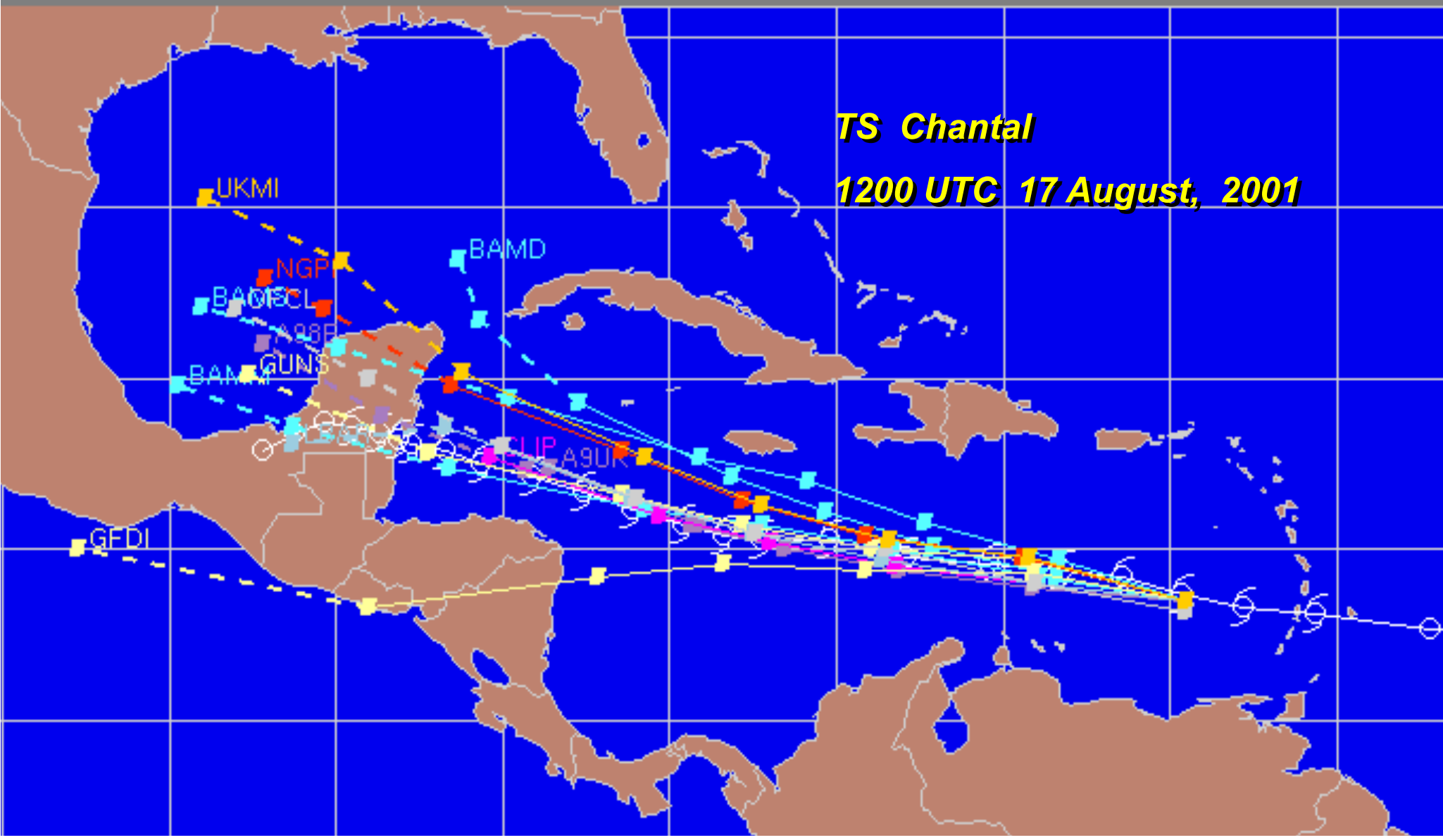
2. NWS/DOD

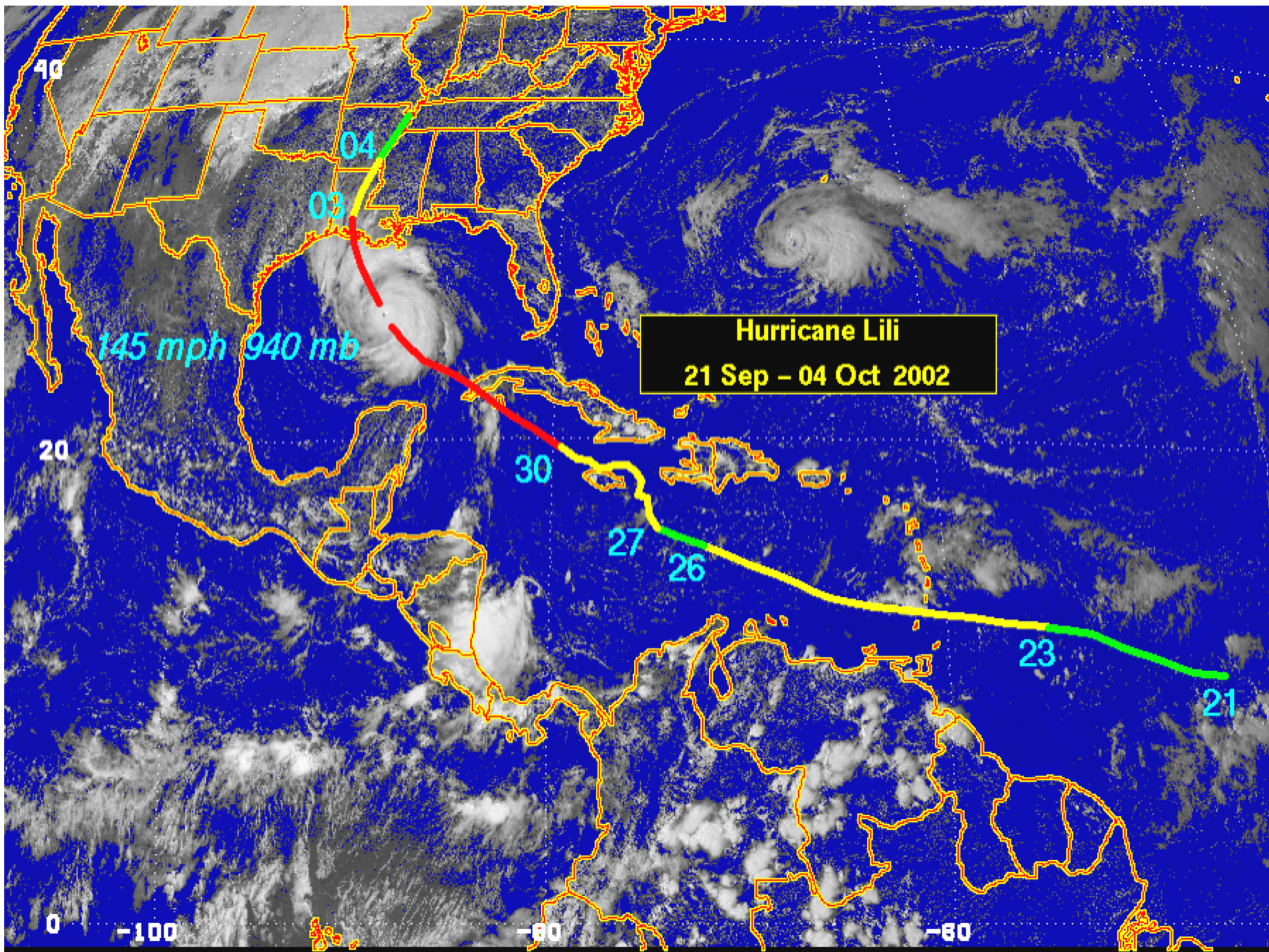
Hurricane Coordination Hotline (HCH)

3. WMO RA IV coordination

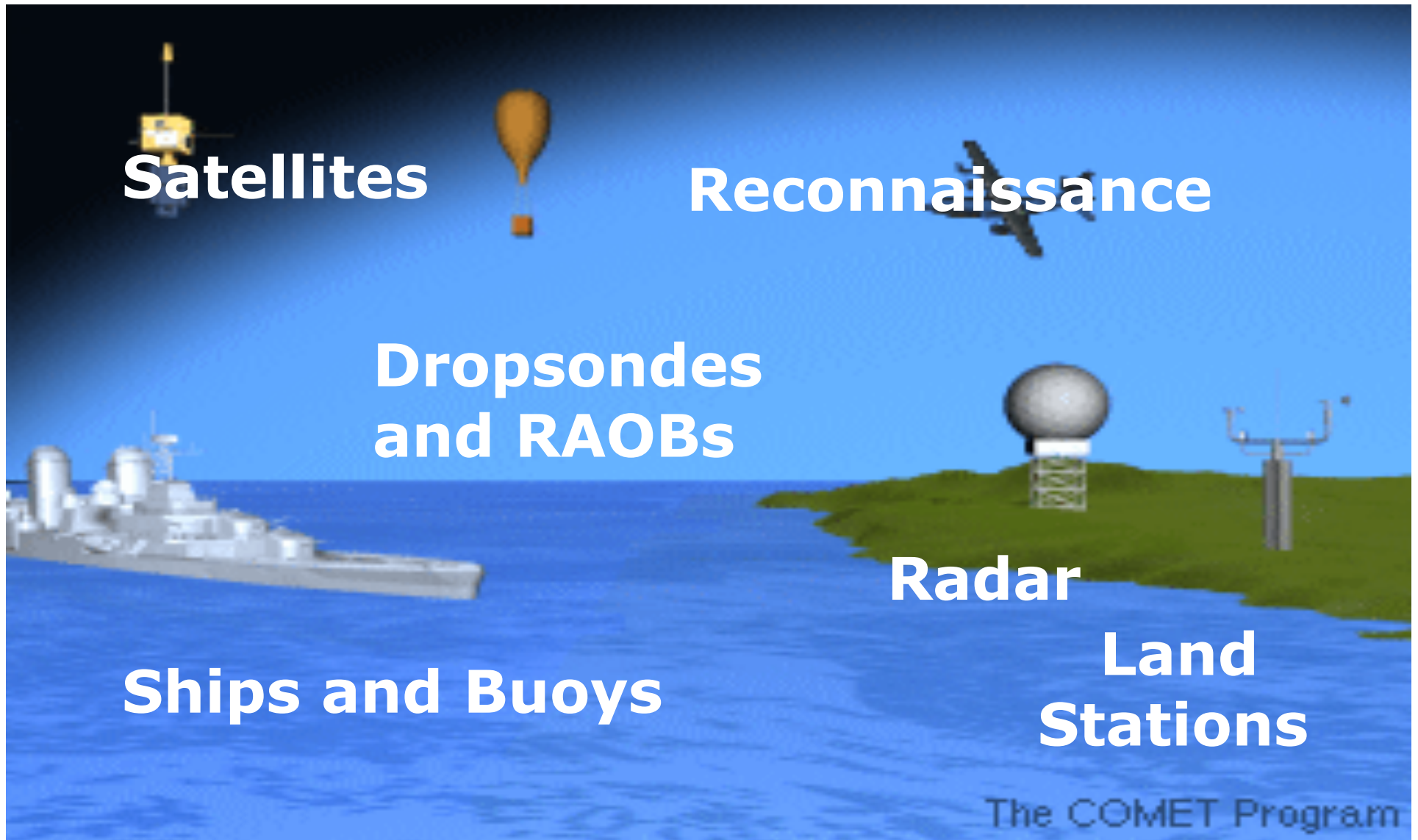
30 09 2002 14:22

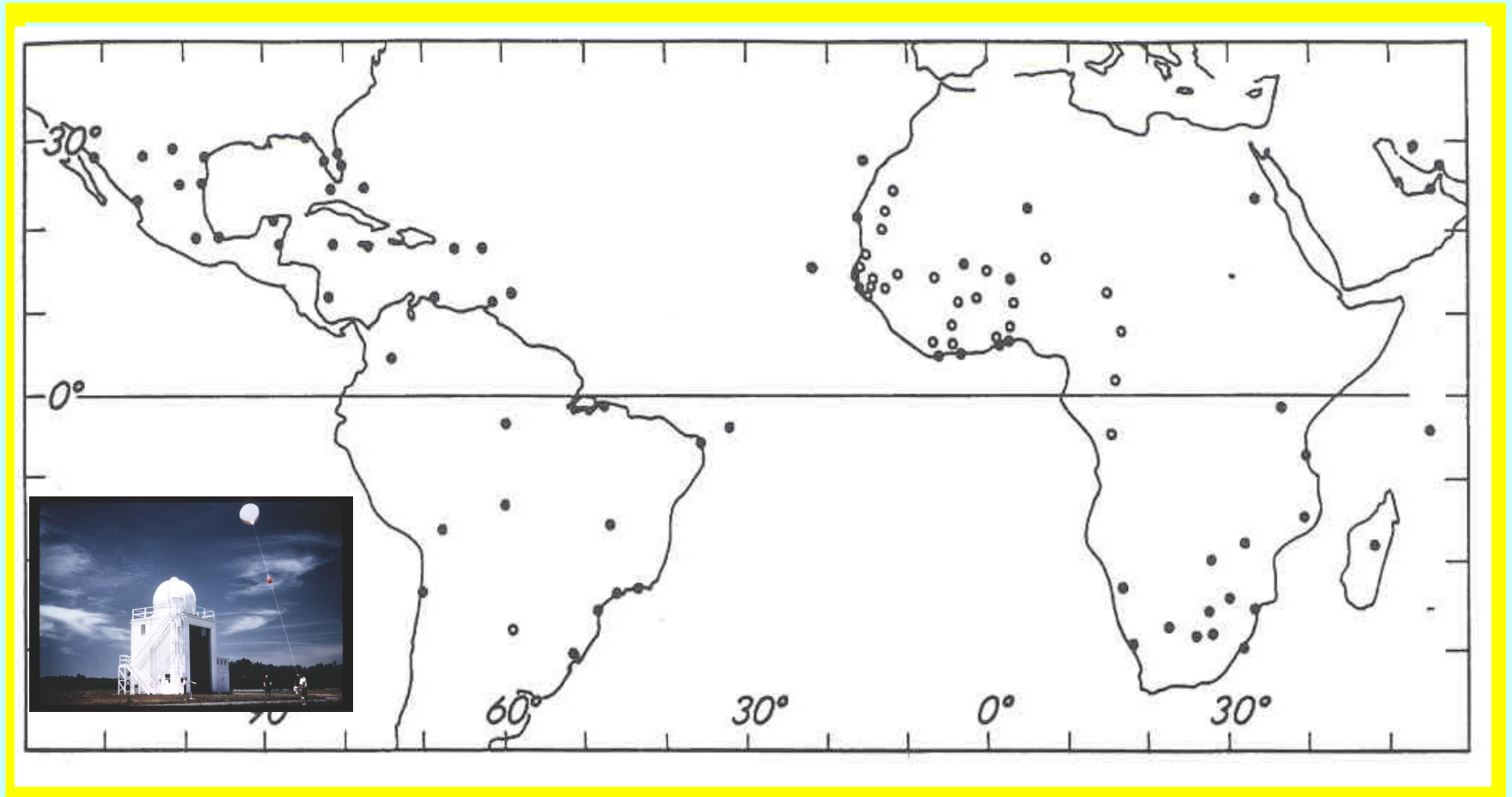
TS Chantal
1200 UTC 17 August, 2001





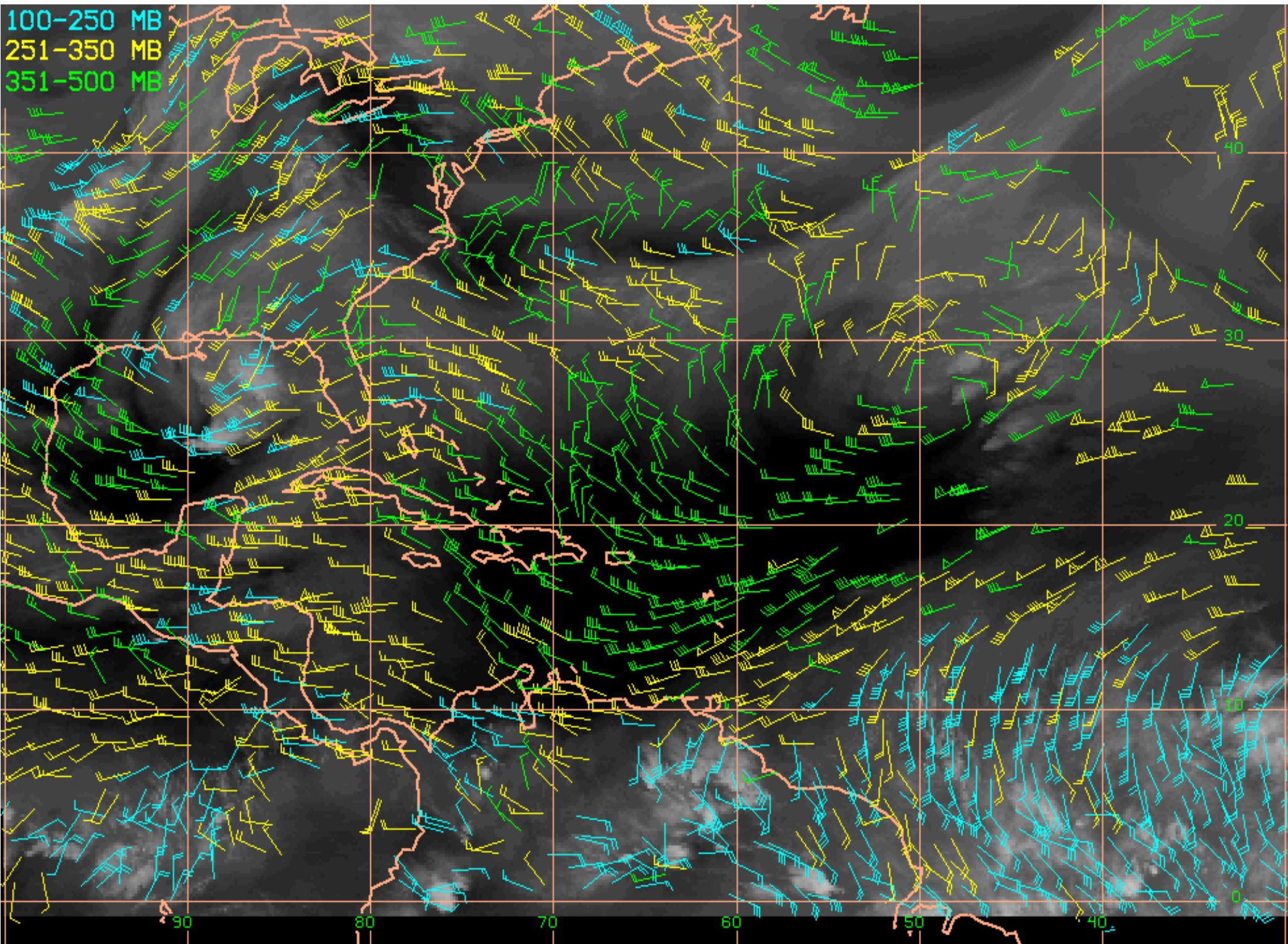
Fast Communications





OBSERVATIONS MUST GO INTO NUMERICAL MODELS

100-250 MB
251-350 MB
351-500 MB



NWS/DOD

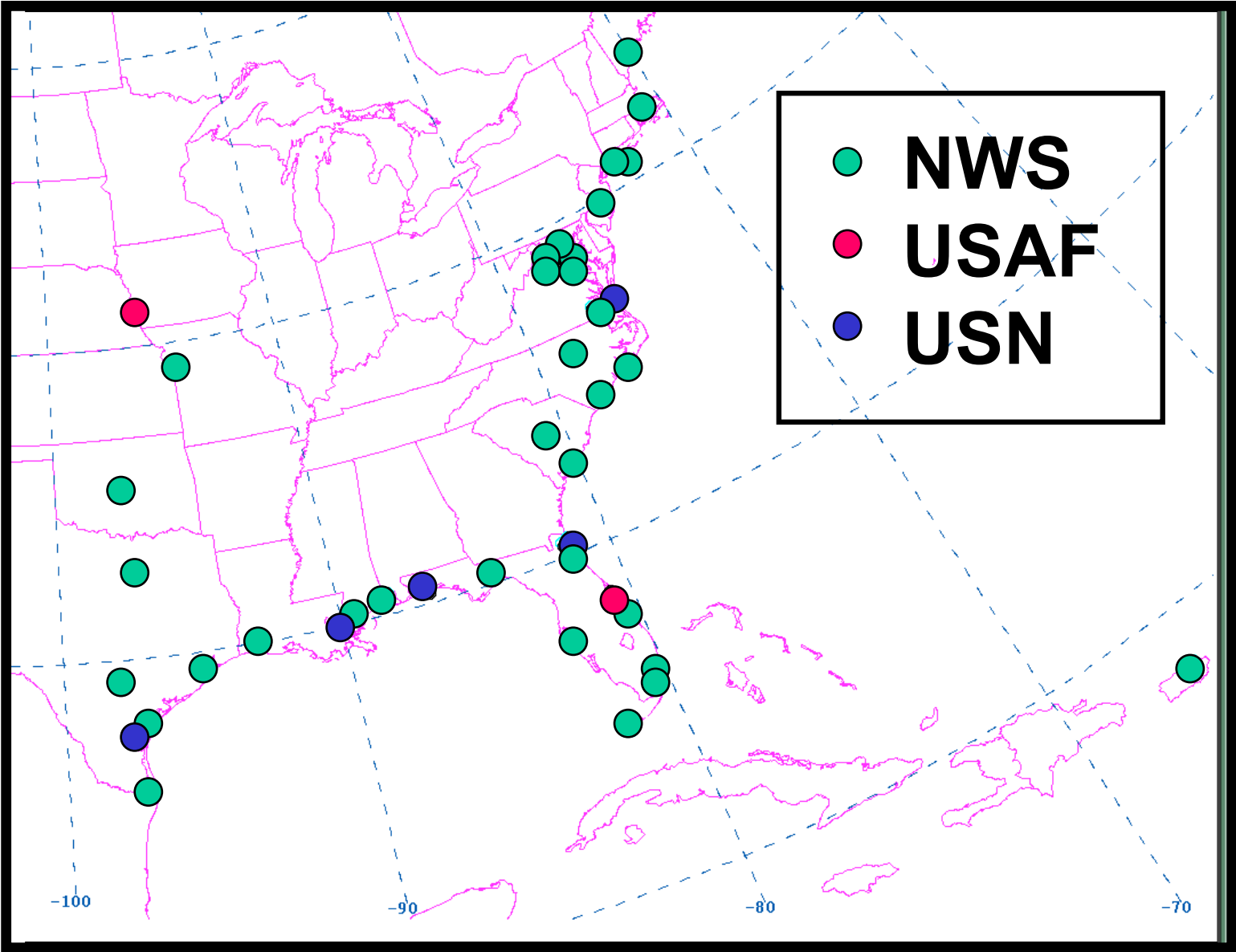
Hurricane Coordination Hotline (HCH)

30 09 2002 14:22

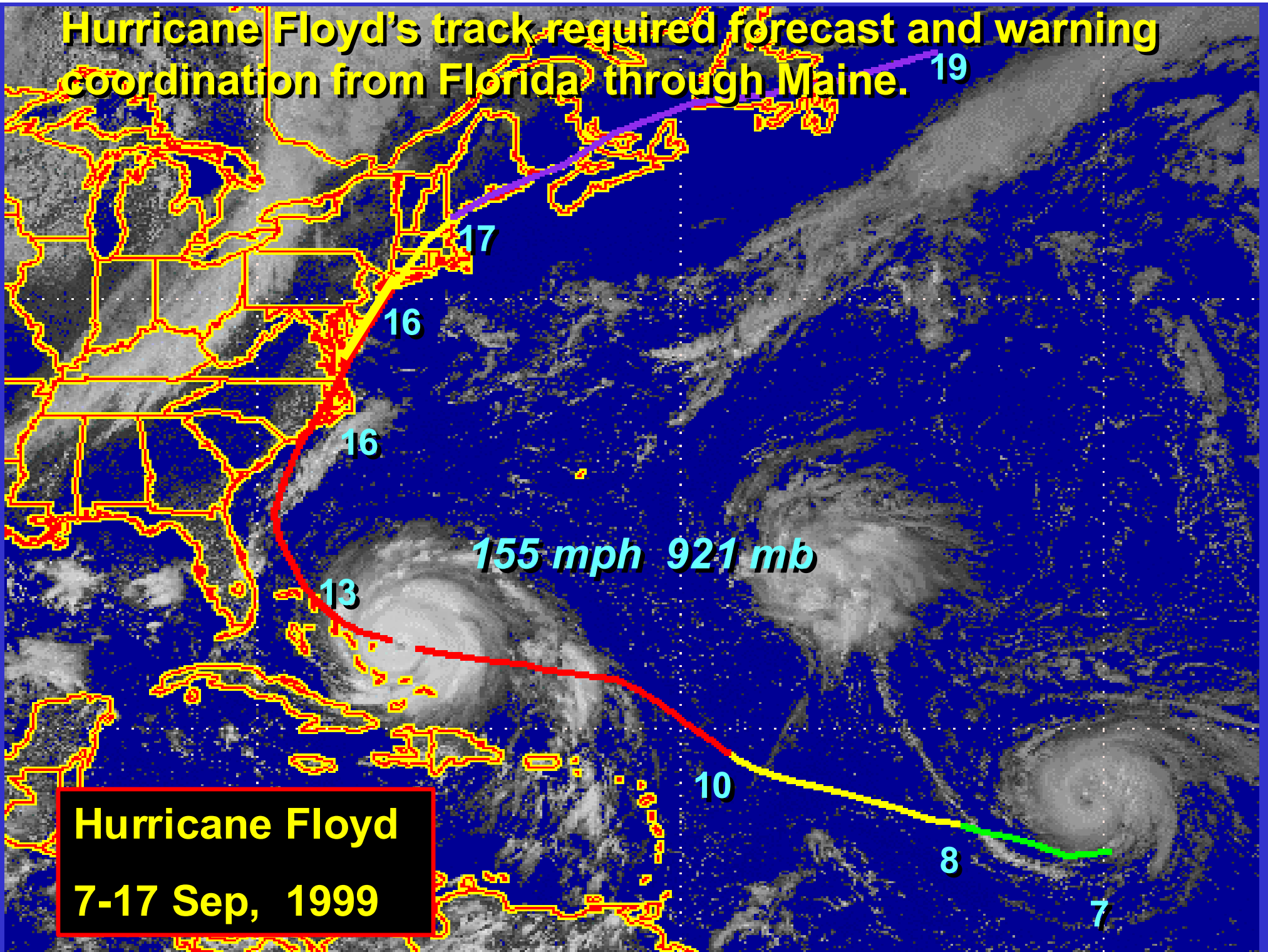
National Weather Service Hurricane Coordination Hotline



Hurricane coordination hotline locations



Hurricane Floyd's track required forecast and warning coordination from Florida through Maine. 19

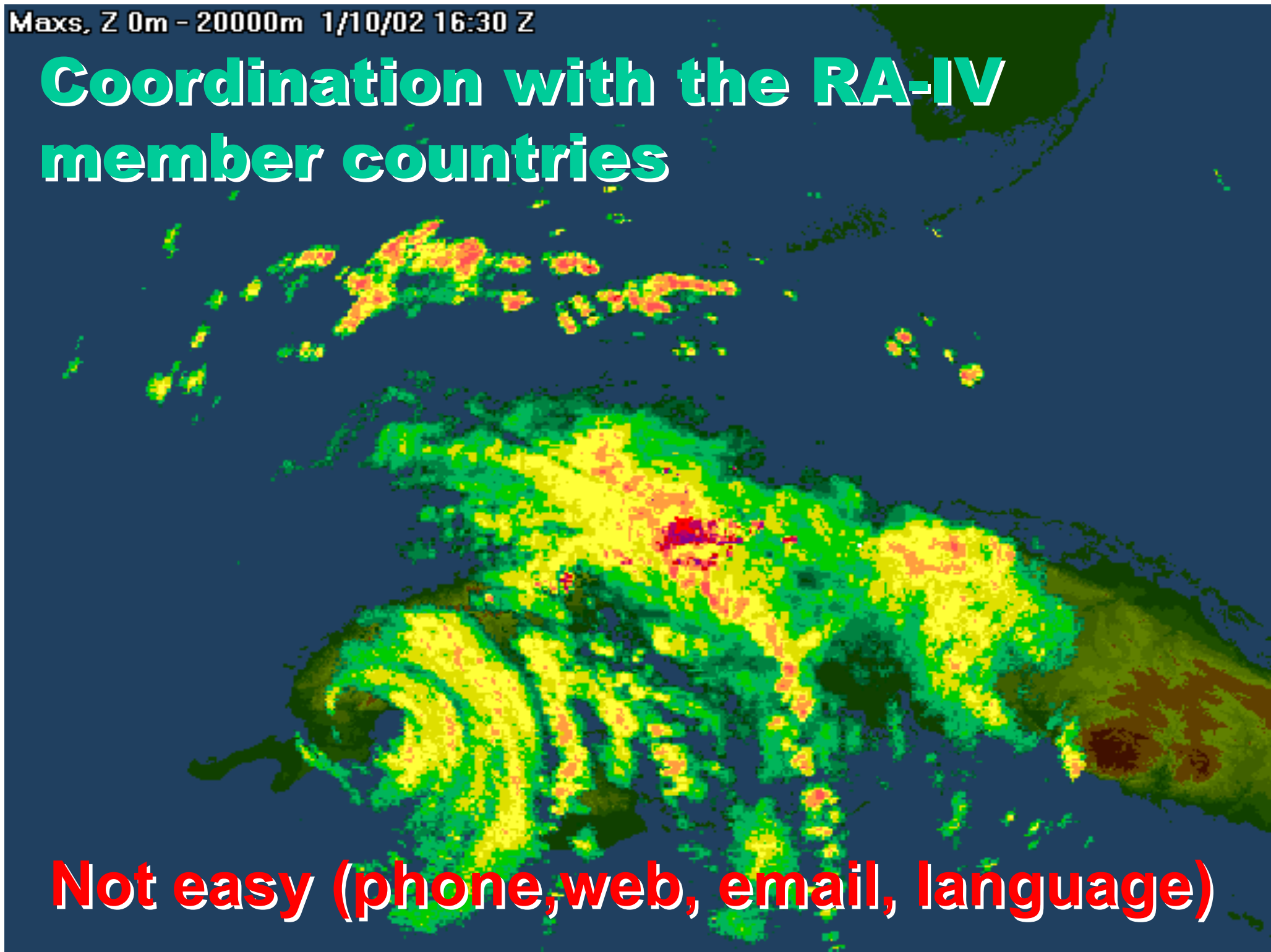


Hurricane Floyd
7-17 Sep, 1999

Maxs, Z 0m - 20000m 1/10/02 16:30 Z

Coordination with the RA-IV member countries

Not easy (phone, web, email, language)



**WORLD METEOROLOGICAL ORGANIZATION
TECHNICAL DOCUMENT**

**TROPICAL CYCLONE PROGRAMME
Report No. TCP-30**

**Regional Association IV
(North and Central America and the Caribbean)
Hurricane Operational Plan)**

2002 Edition

SECRETARIAT OF THE WORLD METEOROLOGICAL ORGANIZATION – GENEVA SWITZERLAND

World Meteorological Organization 2002

Coordinates TC warnings and watches



WMO Region IV Warning Responsibilities for other Countries



WMO RA IV coordination

23 member countries with warning responsibility:

Antigua & Barbuda

Bahamas

Barbados

Belize

Canada

Cayman Islands

Colombia

Costa Rica

Cuba

Dominican Republic

El Salvador

Guatemala

Jamaica

France

Mexico

Netherlands Antilles & Aruba

Nicaragua

Panama

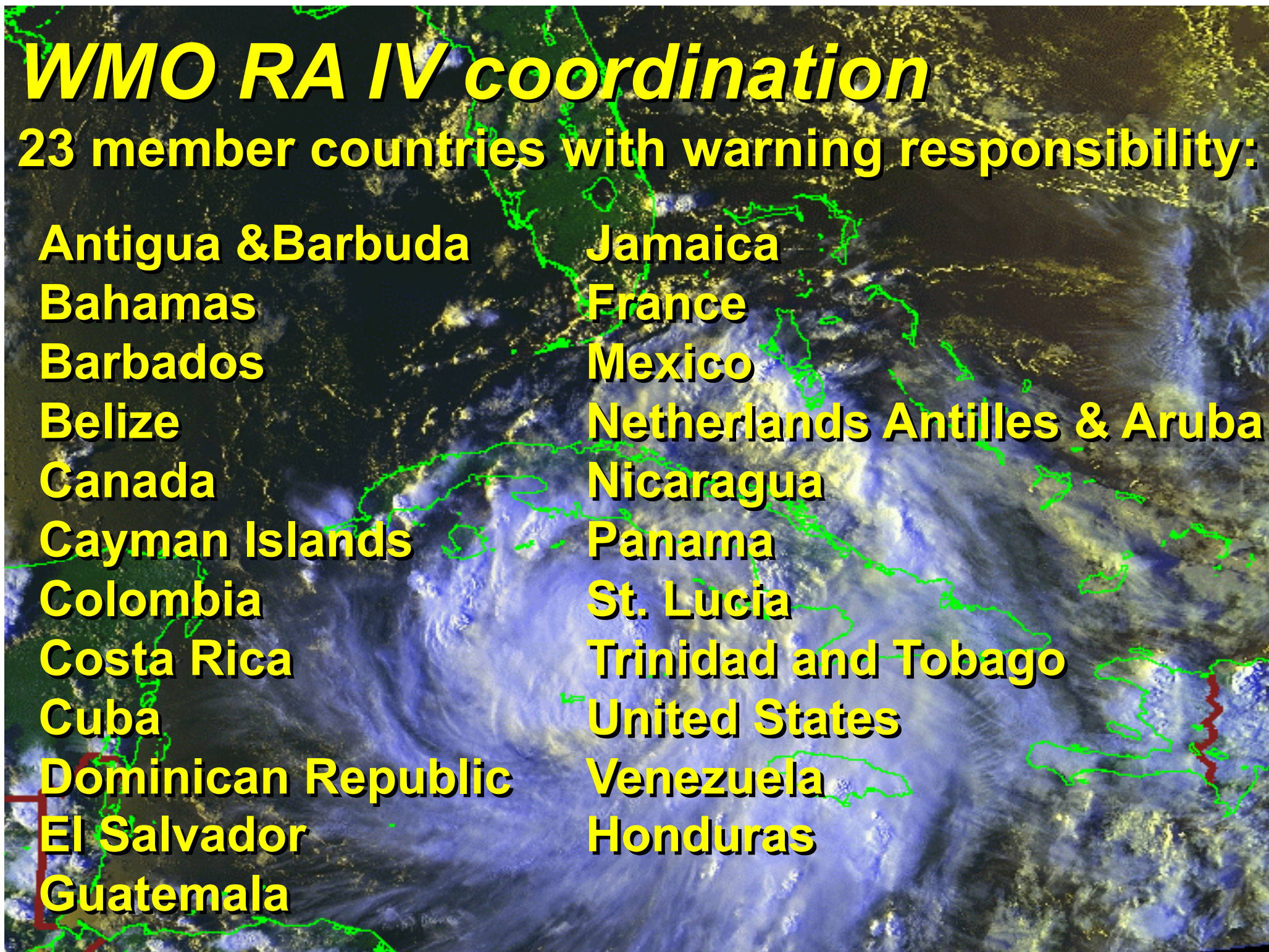
St. Lucia

Trinidad and Tobago

United States

Venezuela

Honduras





Thanks

Questions?

30 09 2002 14:22

