

ICCAGRA Meeting 23 May 2006: Marina, CA





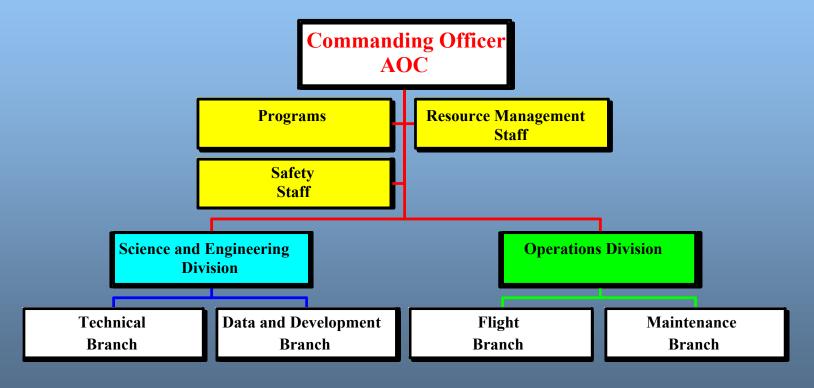


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Aircraft Operations Center







AOC FACILITES



MACDILL AIR FORCE BASE, FL.







HANGAR #5 MacDILL AFB



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HANGAR #5 MacDILL AFB

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AOC AIRCRAFT



















AIRCRAFT OPERATIONS CENTER AIRCRAFT 2004











W. Continue and





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AIRCRAFT OPERATIONS CENTER AIRCRAFT 2006





N44RF

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FY05 PROGRAMS





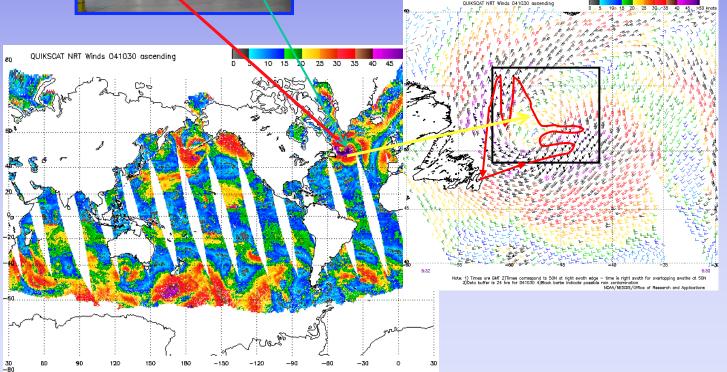
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Ocean vector winds from QuikSCAT







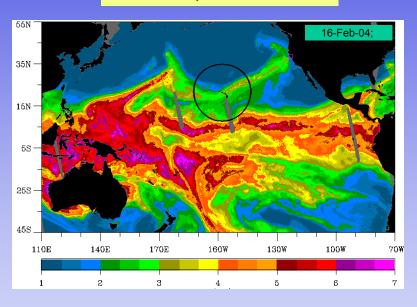
OCEAN WINDS WINTER



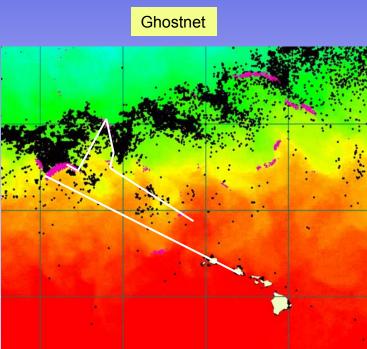




Atmospheric Rivers



FY05 Programs





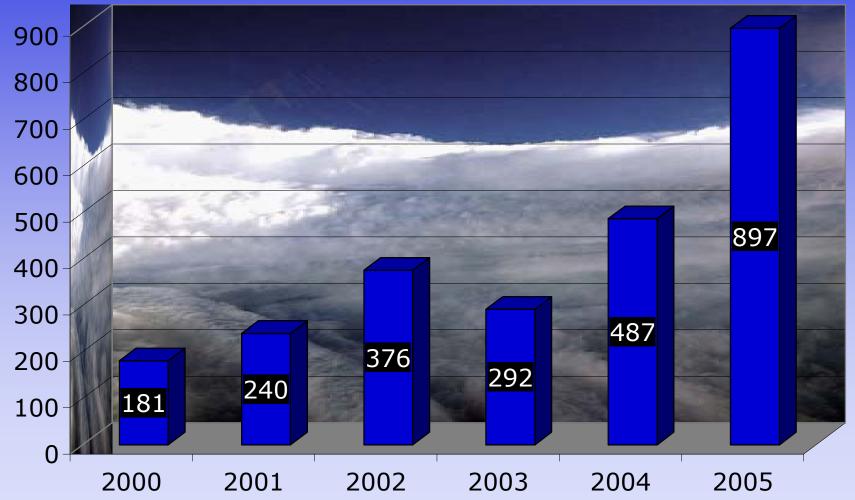


2005 HURRICANIE SEASON



2000-2005 Hurricane Flight Hours - P-3 and G-IV







2005 Hurricane Season P-3 and G-IV



•Hurricane Reconnaissan	ce 191.6 Hours	26 flights
•Hurricane Surveillance	388.3 Hours	50 flights
•Hurricane Research	263.9 Hours	39 flights
•NESDIS Ocean Winds	53.3 Hours	8 flights
•Total	897.1 Hours 12	3 flights



2005 Hurricane Season P-3 (Operational/Research Missions)



•Hurricane	Awareness 7	our	14.8 Hours	8 flights
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- •Hurricane Reconnaissance 191.6 Hours 26 flights
- •NESDIS Ocean Winds
- •TCSP/IFEX
- •RAINEX/IFEX
- •Ocean Heat

- 53.3 Hours 8 flights
- 45.6 Hours 20 flights
- 60.0 Hours 9 flights
- 14.4 Hours 2 flights
- •Total 479.7 Hours 73 flights



2005 Hurricane Research



•TCSP/IFEX



•RAINEX/IFEX



Ocean Winds



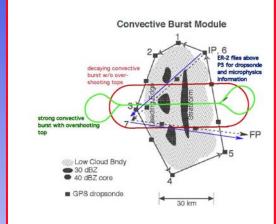
Ocean Heat Content



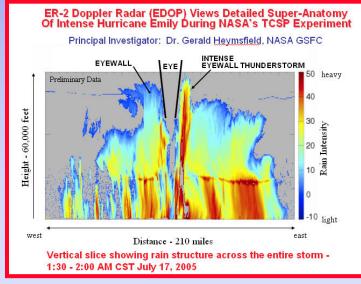












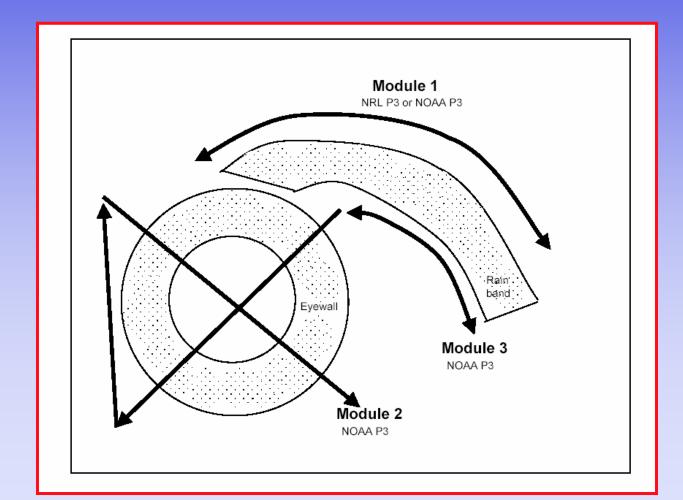








RAINEX FLIGHT TRACKS

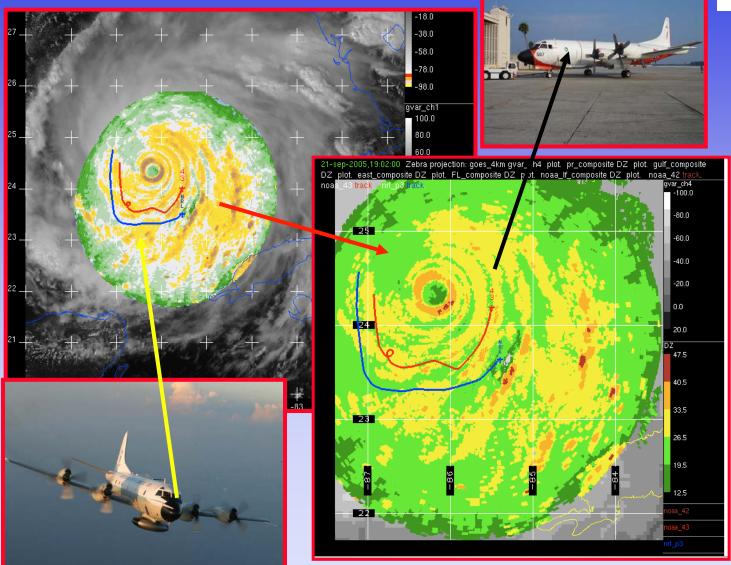






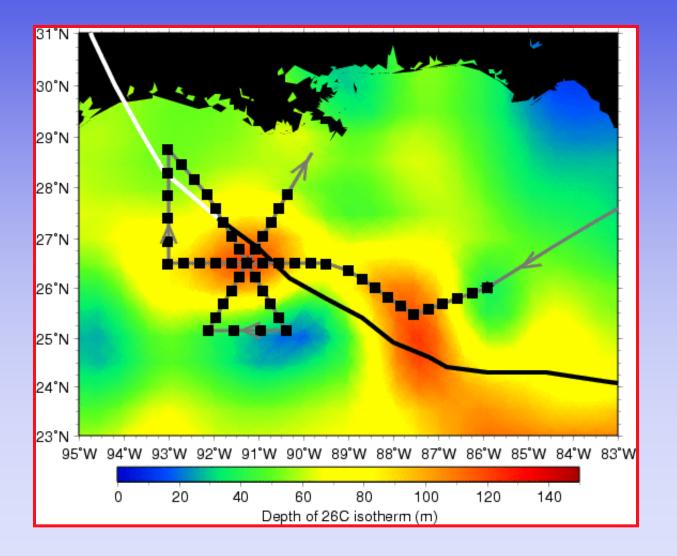
RAINEX





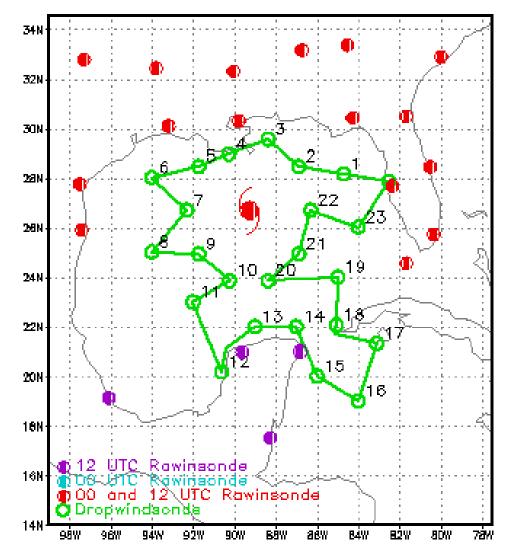






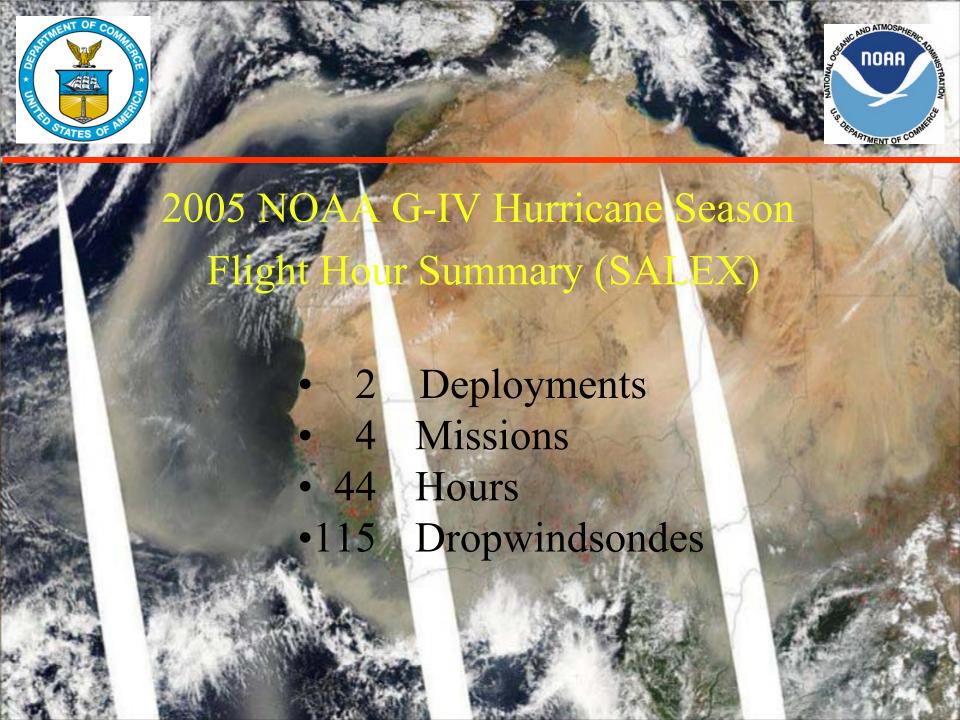
OCEAN HEAT CONTENT

SYNOPTIC FLOW MISSION G-IV



Katrina 27 Aug

GADS: COLA/16ES 2006-08-27-08:38





NOAA Citation Damage Photography



7000 Photos taken in 7 days -- Images available within 24 Hours

5 Million Photos (27 TBs)
Downloaded Daily by the
Public!





AOC Helicopter Support After Katrina Landfall

33 Flights

84 Hours

Less than 21 days!





Missions Flown:

- Humanitarian Relief
- Damage Assessment
- Hazmat Support
- Tide Gauge Repair





KATRINA SUPPLEMTAL

Replacement of Dropsondes	\$1,000K
Fuel costs	\$ 250K
Dropsonde and Rcvr. Upgrade	\$ 600K
Data Collection/Transmission Upgrade	\$1,900K
Cloud Physics System Upgrades	\$ 660K
Liquid and Total Sensors Upgrade	\$ 100K
Radiometric Temp. Sensor Upgrade	\$ 120K
Data System Standard. and Devel.	\$ 250K
Redesign of AVAPS	\$ 170K





KATRINA SUPPLEMTAL (Continued)

High-speed LAN/ SATCOM Transmission	\$ 600K
P-3 Radar Altimeter Replacement	\$ 400K
P-3 Radar and Data System Upgrade	\$2,700K
P-3 Aircraft	\$9,000K
Medium Format Airborne Digital Camera	\$ 300K
TOTAL (before taxes)	\$18,050K
(after taxes)	\$16,373K





FY06 PROGRAMS



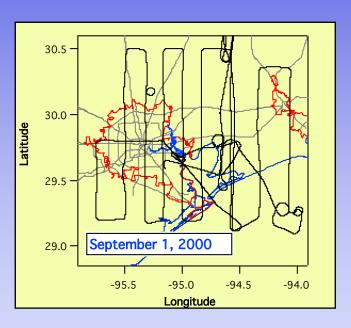


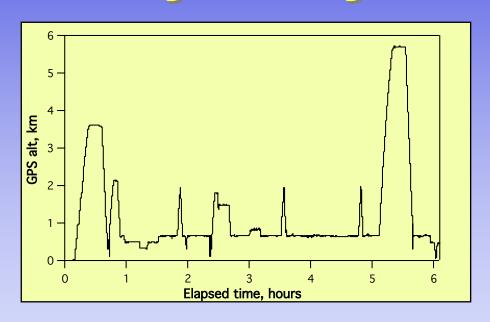
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Texas Air Quality Study





CIRPAS AND NOAA TWIN OTTERS



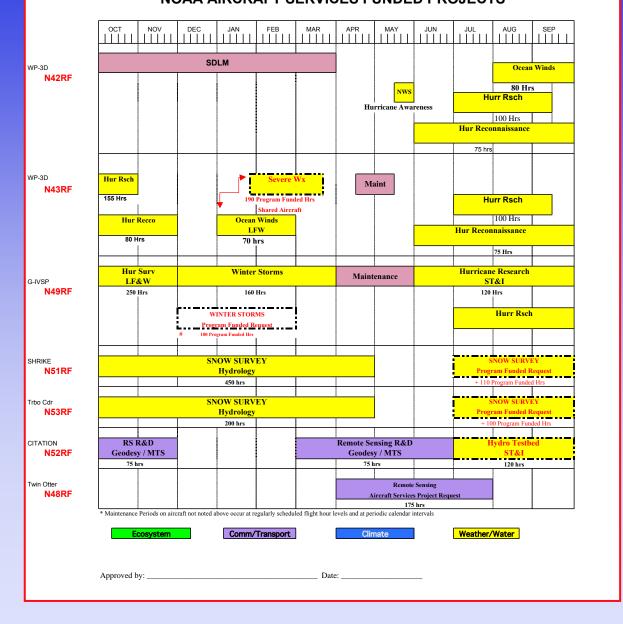
ICCAGRA 2006



PROPOSED RY()7 **PROGRAMS**



FY 2007 DRAFT Allocation Plan (100% Requirements) NOAA AIRCRAFT SERVICES FUNDED PROJECTS







FY07 Proposed Schedule - P-3s and G-IV



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QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture. FY07

Proposed Schedule

Twin Otters





FY08 OUTLOOK





Installation of G-IV Tail Doppler Radar

Introduction of N44RF into Service

 Possible construction of New AOC Facilities





Introduction of 4th Twin Otter

Replacement of the Citation with a King Air