



# ICCAGRA Meeting 4 May 2009, Stresa, Italy



NOAA Aircraft Operations Center



MacDill AFB, FL





# 2008 Hurricane Season P-3 (Operational/Research Missions)



•Hurricane Awareness Tour	9.2 Hours	6 flights
•TDR Operations	245.9 Hours	37 flights
•NESDIS Ocean Winds	116.4 Hours	15 flights
•HRD Research	750.6 Hours	6 flights
•Total	422.1 Hours	64 flights

## 2008 Hurricane Season

- 26 Flights
- 192 Flight hours
- 3 Deployments
- 719 Dropsondes
- 6 Hurricanes/TDs
- 2 Paloma missions TDR research support



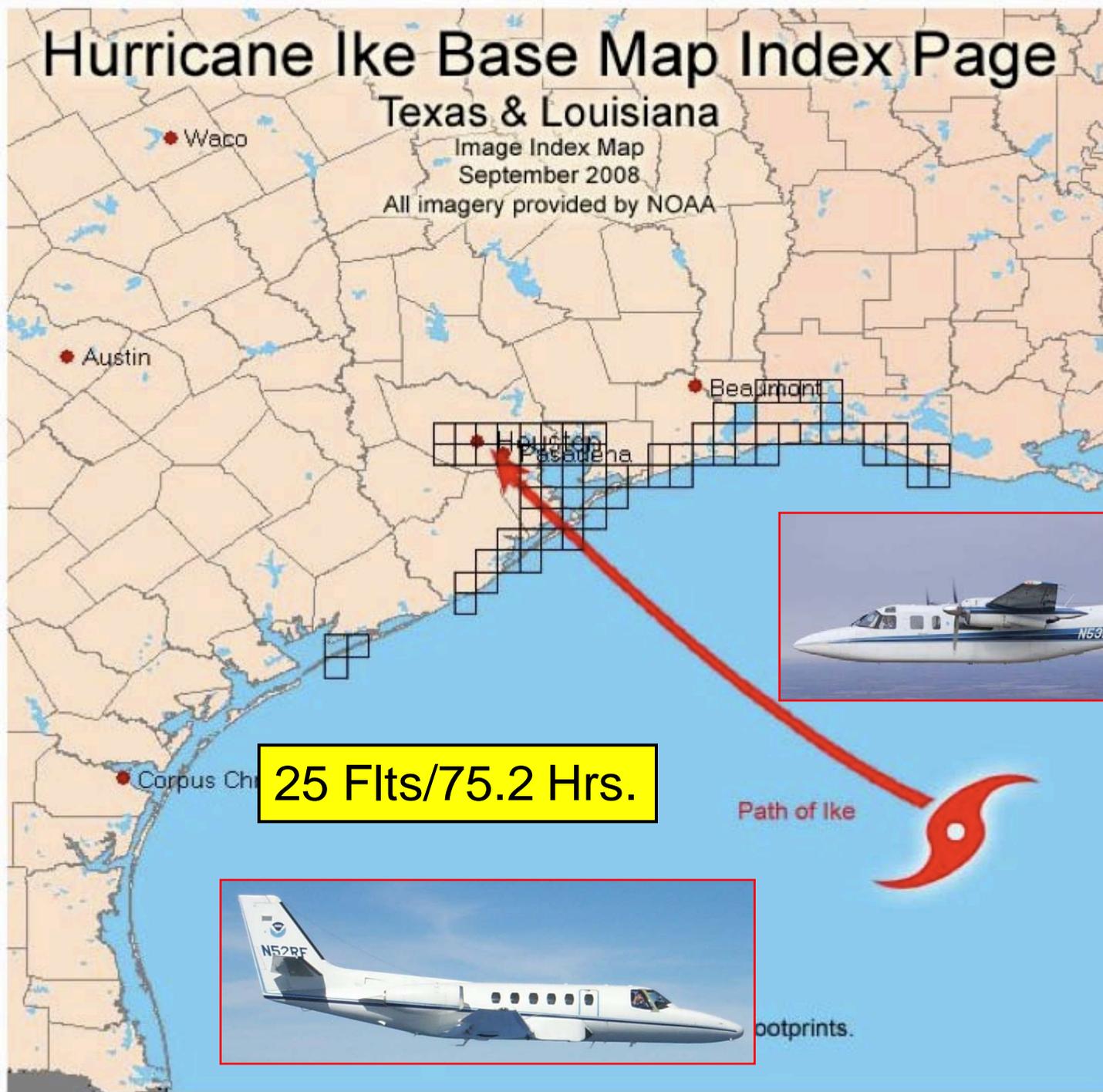
# Hurricane Ike Base Map Index Page

## Texas & Louisiana

Image Index Map

September 2008

All imagery provided by NOAA



25 Flts/75.2 Hrs.

Path of Ike

Footprints.

Image: C25882312



Date: 9/14/2008

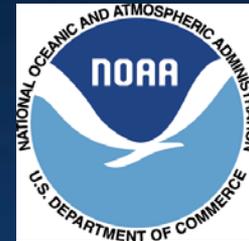
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[World File](#) [What is a world file?](#)

[Metadata File](#)





# 2008 Season Summary

- **P-3**      **422.1 hours**      **64 flights**
- **G-IV**      **192.1 hours**      **26 flights**
- **D.A.**      **75.2 hours**      **25 flights**

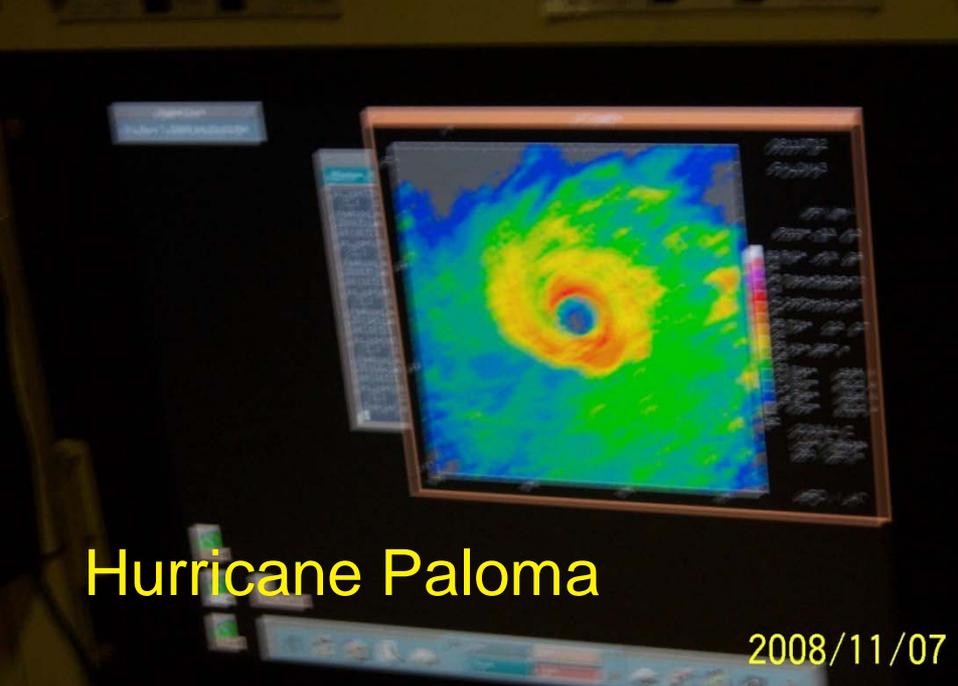
**Season Total    689.4 hrs.    115 flights**



# 2007 Season Summary

- P-3            207.9 hours        37 flights
- G-IV           64.8 hours        9 flights

<b>Season Total</b>	<b>272.7 hrs.</b>	<b>45 flights</b>
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Hurricane Paloma

2008/11/07



2008/11/08





# ICCAGRA Spring 09 Briefing



Hurricane  
Michele

2001

## T-PARC and Winter Storms 09 Operations

- Yakota, Japan 8 Jan to 27 Feb.
- Honolulu, HI and 28 Feb.
- Long Beach, CA to
- Seattle, WA
- Anchorage, AK 31 Mar.
- Total Flights - 44
- Total Flt. Time - 360.6 hrs.
- Total Sondes Dropped - 746



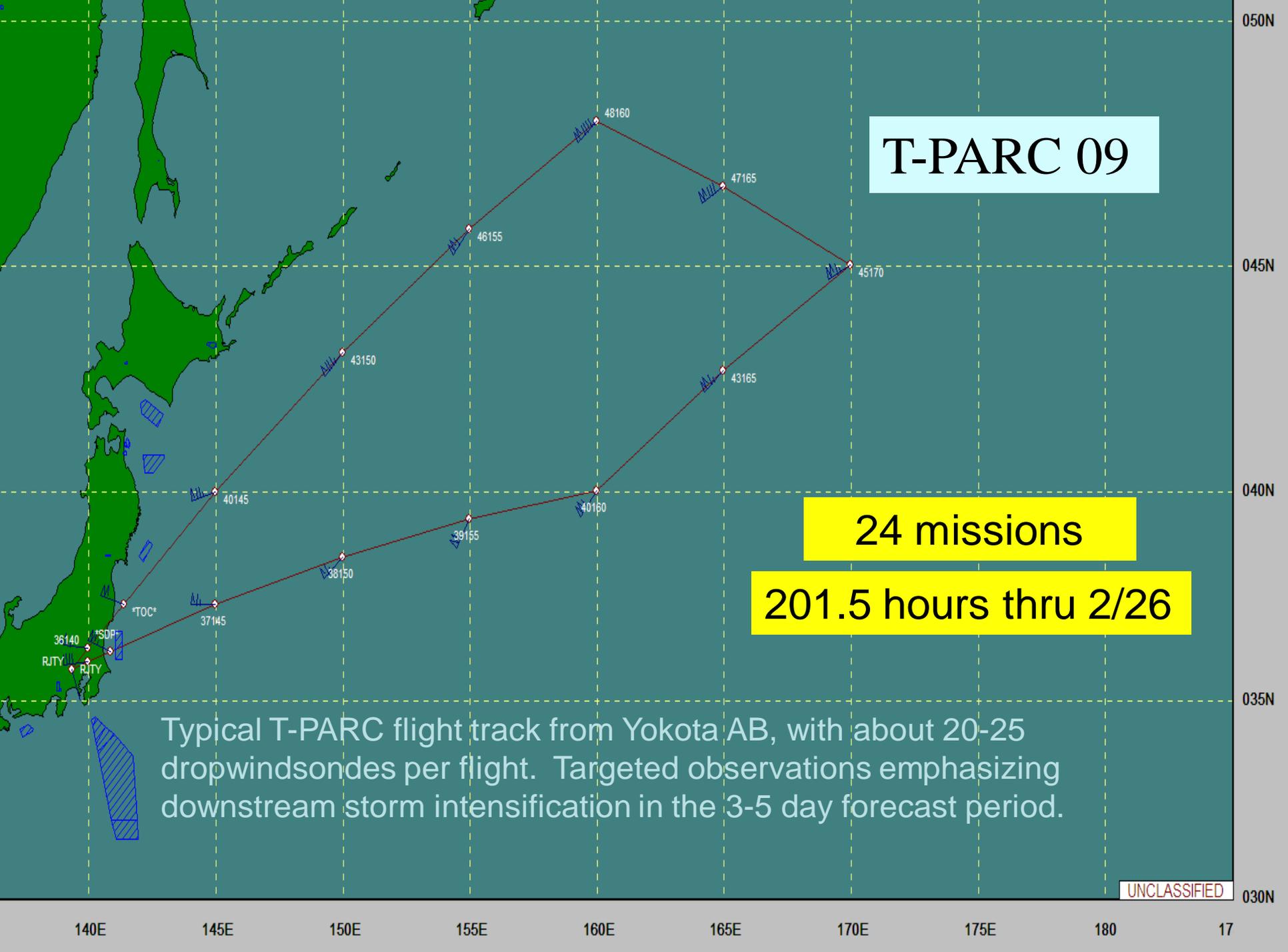
# T-PARC 09

24 missions

201.5 hours thru 2/26

Typical T-PARC flight track from Yokota AB, with about 20-25 dropwindsondes per flight. Targeted observations emphasizing downstream storm intensification in the 3-5 day forecast period.

UNCLASSIFIED



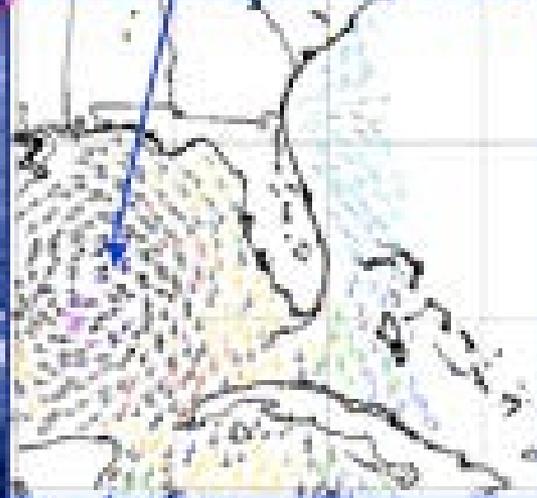
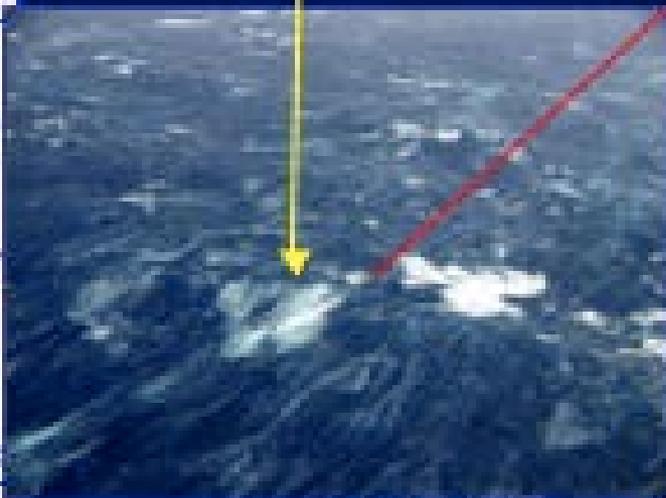
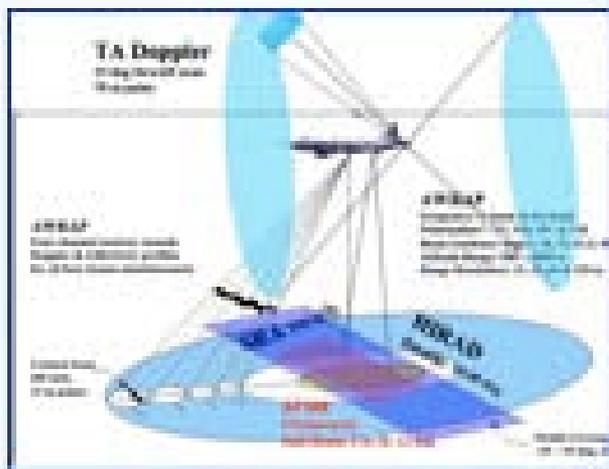
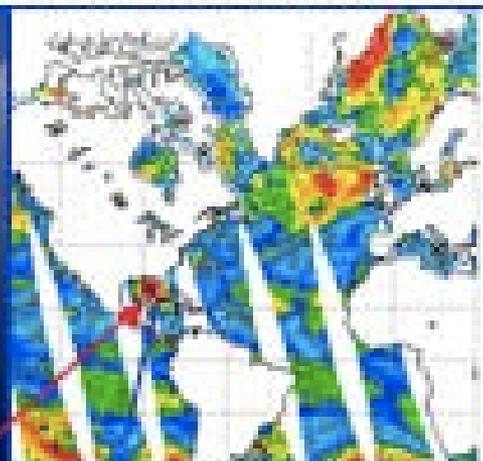
# OCEAN WINDS 09

## Anchorage, AK

29 January 2009 thru 27 February 2009

# OCEAN WINDS

## QuickScat/WindSat Surface Wind Validation



**NESDIS Ocean Winds Project**

Ocean Winds

Total Flights - 11  
Total Hours - 81.5

Mt. Redoubt, AK - March 09

# Rockwell Shrike Commanders, AC500





- Twin Engine, turboprop
- High-wing, camera port
- Airport surveys
- Remote sensing
- Snow Survey

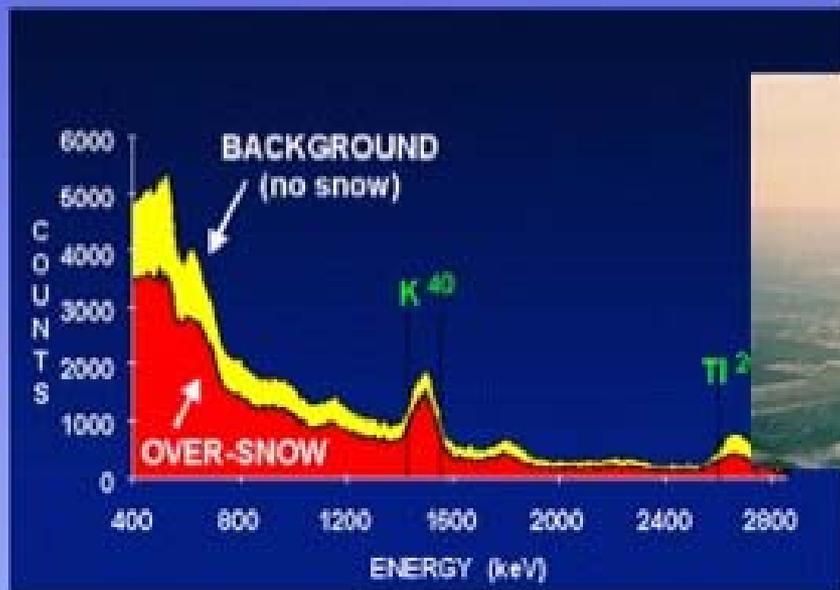
# *Gulfstream Jetprop Commander*

## N45RF, Jetprop Commander

- Snow Survey – 340 hrs
- Coastal Mapping – 15 hrs
- Hurricane Damage Assessment– 26 hrs
- Airport Surveys – 1 hr



# Gamma Snow Survey Shrike and Jet Prop Commander



# Protect and restore healthy coastal marine ecosystems; and Enable the sustained use of marine resources

- Twin Otter
  - Work Horse of the Fleet
- Air Chemistry Programs (BRACE)
- Ecosystem Programs
- Commerce & Transportation Programs



## Commerce & Transportation Programs





# FY09 Budget



- **Good News**

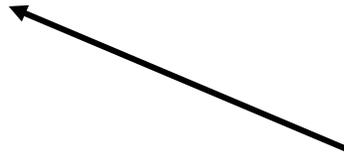
- **Bad News**



# FY09 Flight Hours

- AOC Funded - 1250 Hours
- Light Aircraft Allocation - **650** hours
  - NWS Snow Survey
  - NOS Coastal Mapping
- Heavy Aircraft Allocation - **600** hours
  - NWS Hurricane Surveillance
  - NWS Hurricane TDR Operations
  - OAR Hurricane Research
  - NESDIS Ocean Winds
  - NWS T-PARC and Winter Storms

+115 NWS funded (?)  
T-PARC hours





# FY09 Flight Hours

- AOC Funded - 2845 Hours
- Light Aircraft Allocation - **1535** hours
  - NWS Snow Survey
  - NOS Coastal Mapping
  - Other Light Aircraft Project Support
- Heavy Aircraft Allocation - **1310** hours
  - NWS Hurricane Surveillance
  - NWS Hurricane TDR Operations
  - OAR Hurricane Research
  - NESDIS Ocean Winds
  - NWS T-PARC and Winter Storms



# FY09 Goals

- AOC focuses **FY09** on the Service **Depot Level Maintenance** of the **WP-3D N42RF**, installation of **P-3** and **G-IV radar** modifications, upgrades to **P-3 high-speed satcom** system, installation of the new **aircraft data systems**, integration of the **new dropsonde system**, completion of the **3<sup>rd</sup> P-3 overhaul**, rollout of the Citation replacement **King Air 350**, and **integration** of these two aircraft in **FY 09**.

A3

- #1 Matterhorn White
- #2 Process Blue
- #3 Reflux Blue
- #4 Black
- #5 Flat Black

05B-IDV-350 Mod

Painted Customer Logo over windows

22 inch scotchcal logo on tail

NOAA scotchcal may be ordered from the Printing and Visual Arts Branch (OA331), Administrative

Services Division,

6 inch scotchcal US flag on tail



**Beechcraft**  
*KINGAIR* 350

*FM 21*

**NOTE:** This is a graphical representation of an aircraft exterior. For accurate colors please refer to paint samples or styling kit.

*Industrial Design & Visualization*

**NOAA King Air 350**



# FY09 Issues



- **3rd P-3 Delivery**
- **G-IV Tail Doppler Radar**
- **Manpower - aircrew positions**
- **Single P-3 for Hurricane TDR Operations**



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# FY10 Plans



- **2845 Acft. Svcs Flt. Hrs.**
- **800 Hr. Hurricane Ops. (P-3/G-IV)**
- **Major L.A. Basin Air Quality Study (P-3)**
- **350 Hr. Winter Storm Ops. (G-IV)**



# AOC Staff



- Commanding Officer
  - Capt Brian Taggart
    - 813-828-3310 x 3001
- Executive Officer
  - Mr. Don Aiken
    - 813-828-3310 x 3041
- Chief, Operations Division
  - CDR Barry Choy
    - 813-828-3310 x 3008
- Chief, Science & Engineering Division
  - Mr. Alan Goldstein
    - 813-828-3310 x 3031
- Chief, Programs & Projects Staff
  - Dr. Jim McFadden
    - 813-828-3310 x3076
- Chief Administrative Offices
  - CDR John Longenecker
    - 813-828-3310 x 3084
- Chief, Budget and Management Staff
  - Mr. Jim Wierzbicki
    - 813-828-3310 x 3010

Location  
Aircraft Operations Center  
7917 Hangar Loop Drive  
Hangar 5  
MacDill AFB, Florida 33621-5401