http://www.esrl.noaa.gov/csd/arcpac/

username="arcpac"

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ARCPAC 2008   Science   Data   Links   **Logistics**   Participants

Research Platform

NOAA WP-3D Aircraft
Science Background
Platform Info
Instrumentation
Data *(password required)*

Schedules

Mission Calendar
Daily Plan *(password required)*

Meetings

Newsroom

Logistics

Shipping

Integration: NOAA AOC liason - 813.828.3310 x3076 Jim McFadden
Participant, P3-ARCPAC Project   Chief tech for installation - 813.828.3310 Terry Lynch
NOAA AOC
7917 Hangar Loop Drive
Hangar #5
MacDill AFB, FL 33621-5401

Pickup: HOLD for pickup. Full Service location is just NE of Everts Air Fuel North Hangar (see map). Hours of operation are M-F 8:00am - 6:00pm
Participant
FedEx Express Ship Center
6059 Old Airport Way
Fairbanks, AK 99709

Office/Hangar: local phone numbers pending.
Everts Air Fuel North Hangar
NOAA ARCPAC *Participant*
6348 Old Airport Road
Fairbanks, AK 99709

Send Gerd Hübler 2-3 day advance information regarding shipments, including delivery date, time, and forklift requirements.

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http://www.espo.nasa.gov/arctas/

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ESPO News:

ARCTAS - mission planning underway.

ESPO supports joint NOAA/NASA/NSF science mission GasEx.

TC4 Deployment in Costa Rica successfully

Arctic **R**esearch of the **C**omposition of the **T**roposphere from **A**ircraft and **S**atellites.

The Arctic is a beacon of global change. It is where warming has been strongest over the past century, accelerating over the past decades. It is an atmospheric receptor of pollution from the northern midlatitudes continents, as manifested in particular by thick aerosol layers ("arctic haze") and by accumulation of persistent pollutants such as mercury.

It is increasingly beset by emissions from massive forest fires in boreal Eurasia and North America. Perturbations to the arctic environment trigger unique regional responses including melting of ice sheets and permafrost, decrease in snow albedo due to deposition of black carbon,and halogen radical chemistry from sea salt aerosols deposited to the ice.

These responses make the Arctic a particularly vulnerable place, subject to dramatic amplification of environmental change with possibly global consequences. The urgent need for research to better understand changes in arctic atmospheric composition and climate is discussed by the Arctic Climate Impact Assessment (http://amap.no/acia/) and the U. S. Global Change Research Program (http://www.usgcrp.gov). Major research activities to address this need will take place in 2007 - 2008 under the auspices of the Third International Polar Year (IPY; http://www.ipy.org/).

ARCTAS is part of a larger interagency and international IPY effort collectively identified as POLARCAT.

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NASA Official: Mike Craig
Project Manager: Kent Shiffer
Website Manager: Dan Chirica

File last changed: Tue, 19 Feb 2008 09:20:18 -0800

http://www.nasa.gov/

ARCPAC Data Submission

Preferred method is ICARTT
format files aligned with
AOCTimewave. Please ftp your
files to:

ftp.al.noaa.gov

arcpac

standard pwd

Useful(?) tools from web

- Data -> Document Download

"Data Alignment Using DaqFactory and Igor" contains Word Doc describing new method of lining up data in DaqFactory and Igor. Also 2008 Igor macros are here.

- Data -> Integration Info

"Networking in DaqFactory" contains info for DF users on IP addresses for other DF users

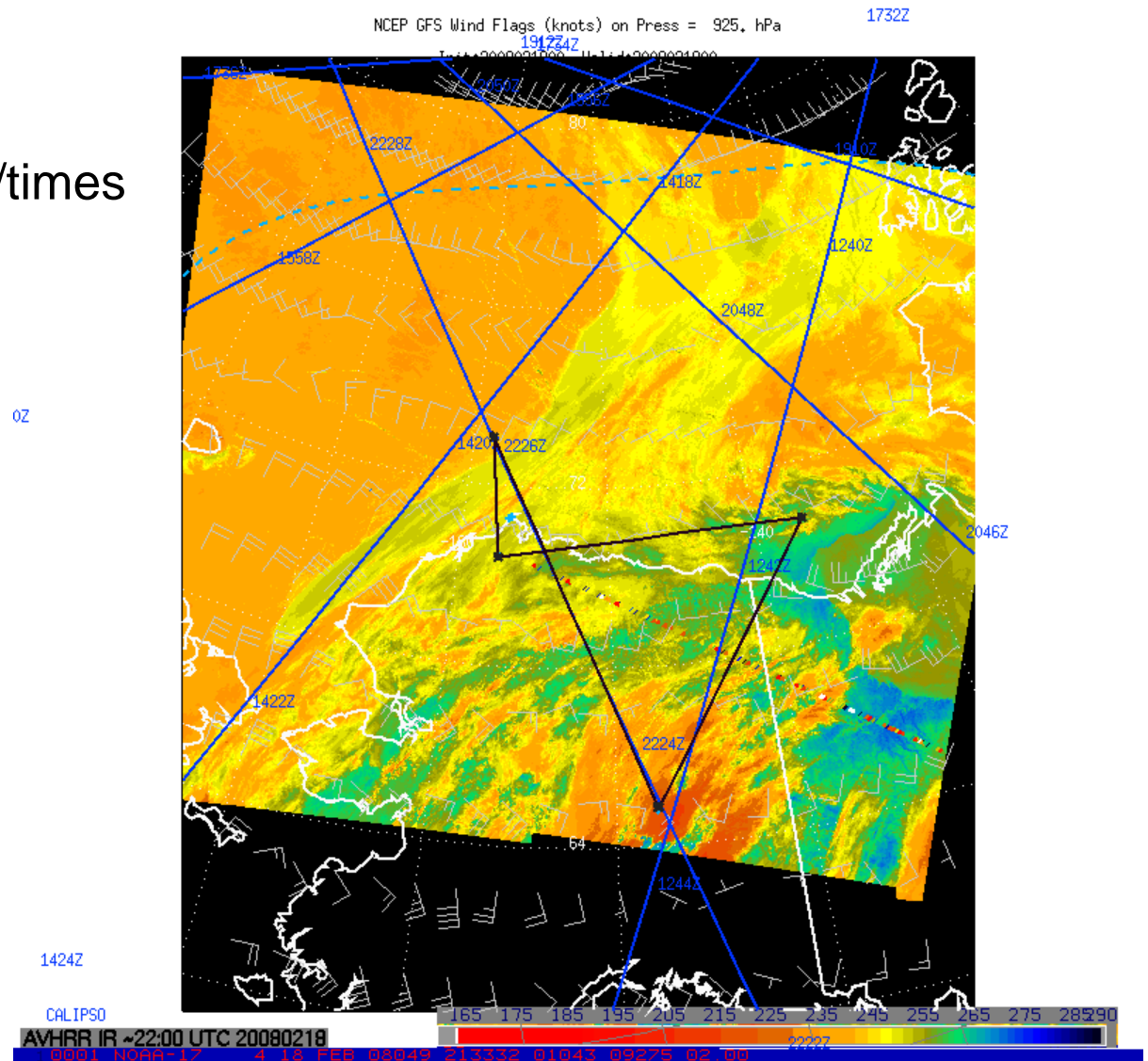Basic products fed into flight planning software.

NCEP GFS: Forecast run every 6 hours

Radiosondes

Satellite images

Satellite overpass locations/times

Advice from local WSFO

Satellite and weather forecast products

Arctic Composites - every 3 hours, IR and visible, 5 km resolution

NOAA POES AVHRR images - about every two hours, IR and visible, 1 km resolution

AMSR-E/AQUA 89 MHz sea ice images - once per day, 6 km resolution

Radiosondes from Barrow and Fairbanks, 00 and 12 UTC

Hourly surface observations across Alaska, Canada and the sea ice

GFS and NAM 3-5 day forecasts of pressure, winds, temperature and cloud cover

Tracer/chemical forecast products

FLEXPART - updated 4 times per day, 5-day forecasts of CO, NOx, SO2, BrO, biomass burning CO and stratospheric ozone, based on 0.5 degree GFS winds

RAQMS - 5-day forecasts by Brad Pierce at NOAA NESDIS: global aerosol and chemical tracers at 2x2.5 degree resolution, updated once per day