

FIRE.ACE Campaign



Fairbanks, Alaska

FIRE.ACE Campaign

PARTICIPANTS:

- 80 Researchers from 8 NASA Centers
- 5 U.S. Agencies
- 13 U.S. Universities & Educational Consortia
- 3 Private U.S. Companies
- Plus Scientists from Canada, Great Britain, and The Netherlands
- [The Langley DAAC](#)



FIRE.ACE Campaign

PHASE I: April 7th to June 26th

- NASA ER-2
 - NCAR C-130
 - UW CV-580
- } Aircraft
- Convair CV-580 (Canadian NRC)
 - "Des Groseilliers" Vessel (Canadian Coast Guard Icebreaker)
 - Numerous earthbound instruments
 - Six orbiting satellites

PHASE II: July 7th to July 29th

- NCAR C-130 Aircraft
- "Des Groseilliers" Vessel
- Surface sensors at Barrow



FIRE.ACE Campaign

(continued)

The DAAC created and managed ~600 web pages plus numerous images

ACTIVITIES BY DAAC STAFF MEMBERS:

Provided the Domain Name Server

Set-up FTP site for exchange of data between investigators

Created and Posted Reports in Near Real Time:

- Daily Activities • All Aircraft Flight Logs
- Daily Plans • Aircraft & Satellite Data
- Daily Ship Reports

Converted and Posted

- End of Mission Summaries
- Photographic Images

Tailored Forms to meet individual Needs

Configured Laptop Computers

ONGOING ACTIVITIES AT THE DAAC:

Receiving and Posting Data

Inspection of Data has begun



Data Useability

- ISCCP
- SAGE
- CERES ES-8 Subsetting
- view_hdf



ISCCP

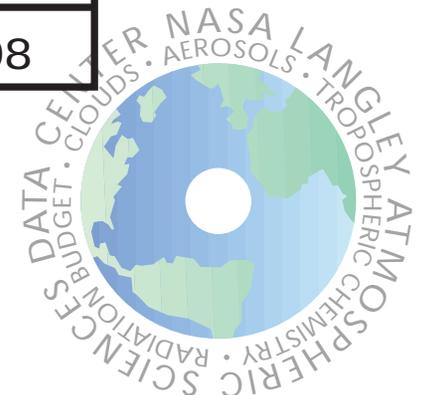
- Request for HDF Processing
- Pilot Effort underway to determine resource load



SAGE

ORDERS SINCE FEBRUARY 13, 1998

Data Set	# Unique Users	Orders*
SAGE2_AERO_PRF	30	50
SAGE2_AERO_PRF_ASC	24	45
SAGE2_AERO_PRF_NAT	13	32
SAGE2_NO2_PRF	14	21
SAGE2_NO2_PRF_ASC	4	33
SAGE2_NO2_PRF_NAT	3	5
SAGE2_O3_PRF	27	56
SAGE2_O3_PRF_ASC	18	45
SAGE2_O3_PRF_NAT	5	21
Total	138	308



CERES

- ES-8 Subsetting
- view_hdf



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"The capability [provided by the Langley DAAC] to interact electronically among the widely-spread researchers was instrumental in the successful planning, conduct, and acquisition of data during the field campaign. Not only will the researchers be further ahead in the data reduction and analyses of their own data, they will be able to more easily and quickly begin their Intercomparison and collaborative analyses with each other."

--Dave McDougal, FIRE.ACE Project Manager

