

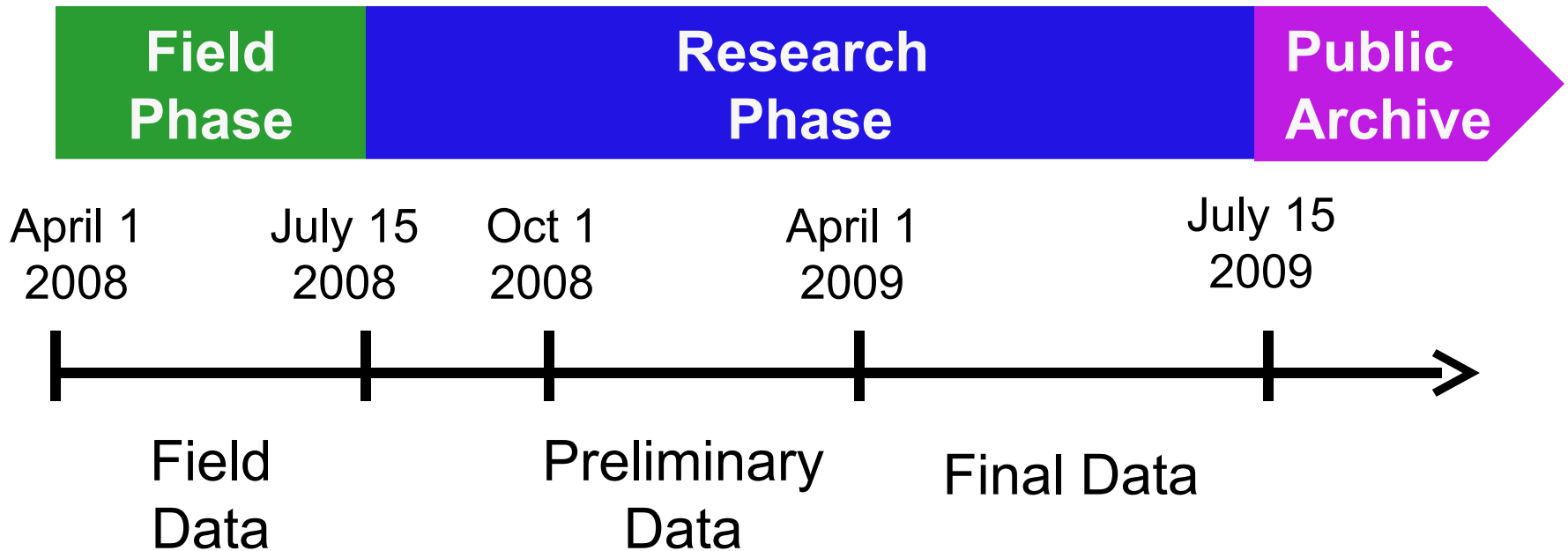
ARCTAS Data Plan

Gao Chen

Data Policy

- **Responsibilities of participants**
 - Submit data according to agreed upon schedule
 - Provide adequate metadata in data files as required by ICARTT format
 - Consult with PIs when using their data
 - Invite PIs of any data used to be co-author during research phase
 - PIs should be available to answer questions about their data after submission (contact info provided in file headers)
- **During Research Phase, all ARCTAS participants will have access to all data (one password for all repositories)**
- **All data will become public 1 year after the completion of the experiment**
- **Data to be archived:**
 - All funded measurements
 - Model products
 - Satellite data sets
 - Meteorological trajectory analyses

Tentative Data Timeline



Dates are tentative and to be agreed upon by all groups

Data Submission Deadlines

- **Data exchange during the field study**
 - Data posted within 24hrs of measurement (if possible)
 - All posted field data deleted at end of campaign
 - Measurement intercomparison data sets will be given only to referees (the data will be released back to science team when paired measurements are submitted).
- **Post-mission data exchange and deadlines**
 - Preliminary data [Oct 1, 2008]
 - Final data [April 1, 2009]
 - Public Access [July 15, 2009]

Data Format

- ARCTAS will use the **ICARTT** format

ICARTT format documentation available at:

<http://www-air.larc.nasa.gov/missions/etc/IcarttDataFormat.htm>

- POLARCAT Partners have agreed to adopt ICARTT format as the standard for data archival to enhance the capability to exchange data among the group.

Data Repositories

<http://www-air.larc.nasa.gov/missions/arctas/arctas.html>

userid = [contact Chen or Olson]

password = [contact Chen or Olson]

To do list:

- **Register your PI dataID (this determines your filenaming structure and directory name and location on the NASA archive)**
- **Download FScan (this executable allows you to check your data files for compliance on your own computer. The file will be automatically scanned remotely when uploaded to the archive.)**
- **Secured FTP is now a requirement for NASA sponsored ftp sites.**

Merges

Combining all measurements from one platform or site on a common time base makes the files much easier to analyze

- NASA is set up to merge ICARTT-format files and will merge DC-8, P-3B (+others?) data
- Merges will be generated during each phase ARCTAS (Field, preliminary, and final)

Action Items

- Update Data Policy Document and post to ARCTAS data site
- Establish links to POLARCAT partners and promote data exchange among the partners

Data Format and Submission Procedures during ARCTAS

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Data site directly accessible through:

<http://www-air.larc.nasa.gov/missions/arctas/arctas.html>

Also linked through the ARCTAS website under Science:

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