CERES Data Management Team Pre-Meeting Notes
01/10/2007

Upcoming Events

Jan 2007	Upgrade IRIX and Toolkit
4/24-26/07	CERES Science Team Meeting –Newport News
11/12-14/07	CERES Science Team Meeting – Victoria, BC, Canada

Meeting Objectives

1) Resolve issues related to IRIX upgrade based on testing experience
    a. Settle what version(s) of toolkit to be used in production
    b. Settle schedule for completing testing and installing upgrade on thunder, lightning, LaNina, warlock (etc)
2) Resolve Erika Geier's Proposal for SYNI Processing (copy attached)
3) Provide a status update on the SCF SAN to everyone

Current Priorities

IRIX Upgrade required by ASDC
Edition 3 Development and Testing
Code Conversion to run on Cluster in SCF and ASDC
Processing Priorities – **Erika Geier**
SCF

- Migration to Cluster from SGI3800
- Migration of data to SAN from thunder/lightning & then LaCie Disks
- Re-engineering of ceresarchive

Meeting Agenda – Chaired by Lisa Coleman

I. Announcements – Lisa Coleman

II. Processing Priorities – Erika Geier

III. TRMM Processing Plans and Status – Erika Geier

IV. IRIX/toolkit upgrade
(note that this still requires coordination with CALIPSO and Flashflux)

- Differences between toolkit v.12 and v.14: by Scott Zentz
- Status of testing on Darrin for each Subsystem: by Leads
- Can the ASDC continue to run multiple versions of toolkit? – by ASDC
- Are there any subsystems that cannot move from toolkit v.7 to v.12 or v.14?
- Are there any subsystems that cannot move from toolkit v.12 to v.14?
- Are there any subsystems that need toolkit v.14 now or in the next 12 months?
- When can we complete testing on Darrin? Lisa & Subsystem Leads
- Status of PR for ASDC testing? Erika Geier
- Schedule for performing upgrade on SCF and then ASDC?

V. Proposal for processing SYNI data before IRIX Upgrade

- Description and motivation for proposal: Erika Geier
- Discussion of proposal: ASDC and DMT
    Impact on schedule for IRIX upgrade?
- Recommendation for Bruce Wielicki on Proposal

VI. Status of Migration to SAN – Scott Zentz

VII. Updates to written reports

- ASDC Systems
  - SSI&T
  - Production
- SCF
- Configuration Management
- External Interfaces
  - Instrument
  - Data Sources – Ingest at ASDC
  - Customers – ASDC User Services
- Subsystems
  - Instrument
  - ERBE-like
  - Clouds
  - Clouds-Convolution
  - Inversion
  - SARB and Synoptic SARB
  - TISA
  - CERESlib

Erika Geier's Proposal for SYNI Processing

Date: Tue, 9 Jan 2007 16:41:14 -0500
To: M.M.Little@larc.nasa.gov>,, <L.H.Coleman@larc.nasa.gov>,, <T.E.Caldwell@larc.nasa.gov>,,
<Le.T.Nguyen@larc.nasa.gov>,, <D.R.Doelling@larc.nasa.gov>,, <F.G.Rose@larc.nasa.gov>,,
<T.P.Charlock@larc.nasa.gov>,, <S.E.Sorlie@larc.nasa.gov>,, <L.G.Link@larc.nasa.gov>,,
<T.O.Ayers@larc.nasa.gov>
From: Erika Geier <e.b.geier@larc.nasa.gov>
Subject: Proposal for SYNI processing
Cc: Bruce_Wielicki <B.A.Wielicki@larc.nasa.gov>,, Norman_Loeb <N.G.Loeb@larc.nasa.gov>

Hello,

Tom Caldwell is prepared to do a delta delivery to correct a problem with the synoptic SARB inputs (see e-mail below) before the OS/toolkit upgrade. I would, however, like to propose not making that delivery and instead attempt to process a reasonable portion of the request and cancel the rest. Please let me know what you think - particularly if you disagree. I would like to resolve this by COB tomorrow.

Background:

SARB and TISA required one year of SYNI data. Because processing resources were available, 3 years of TSI were available, SYNI is thought to be reasonable, and I wanted to disable (not test) the synoptic SARB PGE after the upgrade, I requested that 2 additional years of data be run. To date, 3/00 to 9/00 and 1/02 to 1/03 have been processed. 10/00 - 12/00 will not process due to the problem described below.

My Proposal:

Since CERES already has the required amount of data and anything extra is considered a bonus, I propose not to move forward with Tom's delta delivery. Instead, I propose that

1. the correction be included in the Beta4 delivery
2. processes 2/03 (inputs are fine)
3. ASDC attempts to process 2001, working backward from 12/01 to 1/01. (There are only a few bad 10/01, 11/01, and 12/01 input files, so I suspect these months will process in the same manner as 6/02, which also had a few bad inputs.) As soon as ASDC either hits a month that doesn't process or is prepared to do the upgrade(s), I cancel the rest of the PR.

Other information:

I haven't yet talked to Lisa Link to see if she's willing to do #3. (By the time I called, she'd gone home.)
Dave Doelling is excited about seeing as much contiguous SYNI data as possible. However, he has no urgent reason to push for the full 3 years.
I hesitate to expend resources on a delta delivery for which there is no Science need, especially in light of an imminent upgrade.
Erika

Date: Mon, 8 Jan 2007 16:21:39 -0500 (EST)
From: "Thomas E. Caldwell" <caldwell@elysium.larc.nasa.gov>
Subject: filename convention change
To: E.B.Geier@larc.nasa.gov

Erika,
Files like this are used in Synoptic processing:
noaa_snow_f14.north.2002071515.2002071611
noaa_snow_f14.south.2002071522.2002071618

The name variation which causes a problem with Synoptic is that the first period
in the name is replaced by an underscore such as:
noaa_snow_f14_north.2002071515.2002071611
noaa_snow_f14_south.2002071522.2002071618

If you do a search for these strings, you should find the problem files:
noaa_snow_f14_north*
noaa_snow_f14_south*

You may also have to look to files with f13 or f15 instead of f14 in the names.
Tom