

CERES Systems Engineering Committee

Members: Tammy Ayers, SSAI (DM)
Denise Cooper, SSAI (DM)
Tonya Davenport, SSAI (ASDC)
Vertley Hopson, SSAI (ASDC)
Lisa Link, chair, SSAI (ASDC)
Walt Miller, SSAI (DM)
Sue Sorlie, SSAI (ASDC)
Scott Zentz, SSAI (SA)

Charter: Serve as a forum for resolving issues which affect more than one working group. Report to the CERES Data Management Team.

October 29, 2008 10:00

All members were present for this meeting.

Topics Discussed:

The discussion of the different codes on different platforms should be discussed in a separate meeting with Chris Harris. He can better answer the questions on this topic concerning the X86 and code. It was proposed to have a representative from the SCF groups, i.e. Instrument, Clouds, etc., schedule a meeting with Chris and any other systems person to talk about these concerns.

Another architectural topic to discuss is about where data writes to on *magneto*. Does it write to the /gpfs or the hardware? CERES writes to the /gpfs. It is superior to NFS. Some code specifically directs where data are written and some do not. MISR used to write to the /gpfs but now it does not.

There is no /QA area. The old way of staging data to the /QA area no longer exists. The Operations Manuals will need to be updated to reflect this, but plans are still being made on how and which machines will be doing what.

Problems encountered with an Instrument delivery generated a proposal to include Sun Grid Engine (SGE) testing as part of SCF testing by Tammy. Recently, four deliveries were needed to correct issues running Instrument through SGE. It can be done but there are several details which need further discussion. Additionally, documentation will be needed to describe how far to test the code with SGE, giving all permissions but using specific nodes, and incorporating instructions with each delivery.

The Operations Agreement between the ASDC and CERES Instrument Team and the SSIT Procedures Document (SPD) need to be updated. The SEC committee has agreed to review both documents and provide comments by the end of November 2008.

Placing files produced at the SCF into the Ordering Tool was discussed. Walt Miller provided a list of steps to review concerning what needs to be done by the DMT, Science Group and the ASDC. Final instructions and notes will be documented and discussed again for final approval.