

CERES Systems Engineering Committee

Members: Tammy Ayers, SAIC
Vertley Hopson, ASDC
Sandy Nolan, SAIC
Sue Sorlie, ASDC

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

October 18, 2001 10:00 am

Erika Geier, John Robbins, Denise Cooper, and Ed Kizer joined the SE committee for this meeting.

The committee met to understand the proposed Subsystem 1 and Subsystem 2 processing flow and to decide which output products will need to be archived and which can be held temporarily on disk.

The following processing scenario was discussed:

PGEs 1.1P3 and 1.2P1 will be run and will produce Edition1 BDS and PRE-ES8. Edition1 Pre-ES8 will be used as input for PGE 2.2P1 which will create Edition1-QC ES-8 using static snow. The Edition1 Pre-ES8 will also be used as input along with real snow data to produce Edition1-baseline ES-8. Edition1-QC ES-8 will be a temporary product to quickly check on instrument health and can be deleted after Edition1 ES-8s are produced.

Once a month (a couple months after data date), daily PGE 1.3P1 will be run to produce the BDS subset product, BDSI, using Edition1 BDS as input. PGE 1.3P2 will then be run to produce Internal Cal results, which will be used by Kory to create the final Gains. Kory will then use the final Gains and Edition1 ES-8 to produce the spectral response coefficients for a month.

The spectral response coefficients for the month will be input to PGE 2.4P1 which will produce the final daily spectral correction coefficients for the data month.

A new Instrument PGE, 1.3P3, will produce Edition2 BDS using Edition1 BDS and the final Gains. PGE 1.2P3 will then be run to produce the Edition2 Pre-ES8.

PGE 2.2P1 will run a third time using real snow data, Edition2 Pre-ES8 and the final spectral correction coefficients as input and Edition2 ES-8 will be produced and archived. Only Edition2 BDS and Edition2 ES-8 will be released to the public. It was noted that Bruce Wielicki needs to be made aware that with this processing plan, there will be a 2-3 month lag time from when the Level 0 data arrives at the DAAC and when the ES-8s are released to the public.

There was a discussion on whether just the Edition1-QC ES-8N or all of the Edition1-QC ES-8s need to be saved until Edition1 ES-8s are produced. Ed said that he would like all of the files kept until the Edition1 ES-8s are produced.

Sue said that the ASDC can keep the Edition1-QC ES-8 off the archive and have the epilogue

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clean up all of the Edition1-QC after Edition1 ES-8s are produced.

A chart showing the proposed processing flow is located at the end of these minutes.

Meeting adjourned at 10:50 AM. skn

Proposed Processing Flow for Creating BDS and ES-8 Products

