

COORDINATION GROUP ON SATELLITE DATA REQUIREMENTS FOR RA III AND RA IV

5th Teleconference, 26 February 2014, 15.00 UTC

Summary

Participants:

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0. Review of Actions

The status of open Actions was reviewed:

Action 3.2: WMO Secretariat to send to Luiz Machado, Estela Collini, O. Gonzalez / P. Barbosa, and David Bradley the email addresses of respondents to the WMO 2012 Survey, such that these can be considered in this survey.

Done (28 Jan 2014).

Action 4.1: WMO Secretariat to send official letter to NOAA NESDIS, informing about the Group's recommendation regarding scan frame positioning during GOES-13 RSO. Deadline: 3 February 2014.

Done (14 Feb 2014).

Action 4.2: S. Wannop to work with Survey focal points of the Group to include EUMETCast-Americas users in the Survey, by making their contact details available, as appropriate. Deadline: 3 February 2014.

Done.

Action 4.3: P. Seymour to distribute to the Group sample GOES-E full disk imagery data, through email or on ftp. Participants should provide feedback to on these data by the date of the next call in February 2014.

Done (24 Feb 2014) and selection of GOES-East Full Disk imagery in GEOTIFF format available at:

<ftp://satepsanone.nesdis.noaa.gov/GNC-A/> .

No feedback as yet from the Group.

Further, INPE agreed to post the minutes of the 4th Group call on the SDR website.

1. Update by NOAA on GOES-13 Optimized Schedule Tests, including Implications to Users (Paul Seymour)

P. Seymour informed that test during routine schedule of GOES-13 are planned for 4 March, and during rapid-scan operations for 6 March, provided no critical weather situation occurs during these times. The tests will take 3 hours (more details given in Annex I). Images will be available in real time through direct readout and other routes (e.g., McIDAS-V), and later posted online. The testing is part of the approval process by NOAA for the new Optimized Schedule of GOES-13 which had input by the Group. If all goes as planned, this new schedule goes operational in April.

Users with GVAR reception systems will experience some system-dependent changes in reception of imagery due to the modified size and coordinates of frames (both in routine scanning and RSO); vendors (e.g. of GVAR systems) may also need to apply changes to their systems.

P. Seymour circulated details of the tests by email and in slides which are public and should be available on the Group website. He agreed to update the Group on the results of the testing at the next call.

Action 5.1: INPE to post slides describing the testing of the GOES-13 Optimized Schedule on the Group website.

2. Update on Regional User Survey (All Leads: Bryan Thomas, Luiz Machado, Estela Collini, David Bradley, Adriana Paola Barbosa)

Focal points for the regional user survey provided feedback on this survey which started in early February.

Luiz/Diego: Survey sent to more than 55 institutions, currently feedback received from 16; reminders were effective; extend deadline to 15 March should be considered to wait for pending responses;

Estela: Survey sent to around 25 institutions, currently feedback from 11 users; responses from Argentina, Uruguay and Chile; from Paraguay, the Acting President of RA III requested clarification about the survey;

Bryan: not present in the call; information requested by email;

Paola: sent survey to all offices of IDEAM and to meteorological services of Guyana and Surinam; no feedback received yet;

David/ Shannon: sent Survey to five institutions in Canada, so far one response, reminders to be sent soon;

The Group agreed that the deadline for responding to the survey should be extended to 10 March 2014.

Action 5.2: All focal points should forward replies to the survey directly to Diego Sousa, to speed up the compilation of results.

Action 5.3: WMO Secretariat to inform Acting President of RA III about the Group survey. Deadline: 28 Feb 2014.

3. AOB

**Action 5.4: Group to provide feedback to P. Seymour on the sample GOES-East imagery at <ftp://satepsanone.nesdis.noaa.gov/GNC-A/> .
Deadline: Next call on 13 Mar 2014.**

4. Next Call

The next call was agreed for 13 March 2014 at 15.00 UTC.

ANNEX I: AGENDA

0. Review of Actions
1. Update by NOAA on GOES-13 Optimized Schedule Tests, including Implications to Users (Paul Seymour)
2. Update on Regional User Survey (All Leads: Bryan Thomas, Luiz Machado, Estela Collini, David Bradley, Adrian Paola Barbosa)
3. AOB
4. Next Call

ANNEX II

DETAILS ON TESTING OF GOES-13 OPTIMIZED SCHEDULE (P. Seymour to Group by email, 25 Feb 2014)

There will be testing of the PROPOSED but as yet UNAPPROVED optimized Routine and RSO schedules for GOES-East. I have attached a document that explains the PROPOSED changes. This information can also be found at: http://www.ospo.noaa.gov/Operations/GOES/schedules_3col.html.

Hopefully, the weather will cooperate and we can get this testing accomplished. Currently there is no planned backup date for this should be encounter a Critical Weather Day or RSO situation on either March 4th or 6th.

It is unclear how LRIT will respond to these new sector definitions. Any feedback will be helpful.

Topic: GOES-13 (GOES-East) Imager schedule testing planned for March 4 and 6, 2014 (Tests were postponed from February).

Date/Time Issued: February 24, 2014 2155 UTC

Product(s) or Data Impacted: GOES-13 (GOES-East) Imager data. Revised schedule will shift some sector start times by up to two minutes, and some sector boundaries by up to 0.5deg. AWIPS users should see NO impact on products or distribution but these shifts will be seen by N-AWIPS, LRIT, McIDAS, and GVAR (Direct Readout) users.

Date/Time of Initial Impact: March 4, 2014 1600 UTC and March 6, 2014 1600 UTC

Date/Time of Expected End: March 4, 2014 1900 UTC and March 6, 2014 1900 UTC respectively

Length of Impact: Two test periods of three-hours each. See table for details.

Details/Specifics of Impact:

After close analysis of the current GOES-13 (GOES-East) Imager schedule, the Office of Satellite and Product Operations (OSPO) has created a revised, Optimized Schedule that it thinks will afford improved service to users.

The Optimized Schedules are designed to better utilize small instrument idle times that were not available on previous satellites (GOES I-M) due to required commanding. This usage will enable more coverage in areas of interest, such as Canada, the Caribbean Sea, Central America and South America. In addition, the command timing will be better aligned between Routine, Rapid Scan, Super Rapid Scan and Full Disk schedules.

OSPO engineers are planning two three-hour tests of these new GOES-13 (GOES-East) Optimized Schedules on March 4 and March 6, 2014. The tests would allow all systems and ground processing software to be tested operationally, and will provide users with examples of the modified products. Pending successful testing, further coordination with NOAA's National Weather Service, internal review, and all

necessary approvals, OSPO would aim to transition to the new Optimized Schedules after the eclipse season ends, in late April, 2014.

Test dates are as follows:

On March 4, 2014, 1600-1900 UTC GOES engineers will replace Routine GOES-13 (GOES-East) imaging with Optimized Routine imaging.

On March 6, 2014, 1600-1900 UTC GOES engineers will replace Rapid GOES-13 (GOES-East) imaging with Optimized Rapid imaging.

Most users will not need to make any changes before and after the live tests next week. They should monitor the differences carefully, and report any unexpected issues to the ESPC Help Desk.

OSPO representatives will make changes to our systems and software during these periods to ensure the operational implementation goes smoothly through AWIPS, N-AWIPS, and our McIDAS ADDE servers. Please note: AWIPS users will see time changes of the imagery that will match the GOES Scheduling changes. The GINI sectors themselves are not changing (NO changes to LATLON center point, size, resolution, etc.).

Depending on the current configuration and the operational needs, Direct Readout Users with their own local ingest systems may or may not want to consider any changes to account for the increase in size of the new CONUS_Extended sector, as well as the changes to some of the RSO sectors. Coordinates for scan lines, command times, and durations (note - processed frame start tends to lag 16-20 seconds after commanded frame start) are on the website at:

http://www.ospo.noaa.gov/Operations/GOES/schedules_3col.html

In addition, Direct Readout Users who are approved users of SATEPSDIST2e system may consider utilizing GOES-East McIDAS Server available as a backup option. ESPC's McIDAS ADDE server for GOES-East, will be modified to utilize the new CONUS_Extended sector, and create CONUS_Extended cutouts from the FD and NH sectors. Our programmers will be monitoring the test closely, and making additional changes during the test if needed. Please note: approved users of SATEPSDIST2e should contact the ESPC Help Desk right away if they are having problems accessing that server during the test.

At the close of these test windows we expect all services to resume as normal. If you find that any of your services are affected after the close of the test windows please use contact information listed below.

See http://www.ospo.noaa.gov/Operations/GOES/schedules_3col.html for a preview of the new proposed GOES-13 (GOES-East) Optimized Schedules (not operational)

The tests will not be performed on Critical Weather Days, or if there are other significant operational issues warranting postponement. No backup dates are planned at this time, so any necessary postponement of the tests will be relayed in a new user notification.

For AWIPS users there will be NO impact on products or their distribution. For N-AWIPS, Direct Readout and McIDAS users there will be a slight change in product time and sector boundaries.

Direct readout users can receive GOES-13 (GOES-East) Imager test data via the GVAR broadcast stream while continuing to point to GOES-13 at 75 West. The data

will flow through the operational GOES-13 (GOES-East) data path. The system will see the data as scheduled (normal) data with new start/stop times for the new frames. In addition, OSPO representatives are working with the vendors to determine how the optimized frames will impact their ingestors.

The test data will flow through the LRIT-East broadcast following the test schedule. The test images will be broadcast over LRIT-East as it is received and disseminated by the GOES Ingesters. OSPO representatives are working with the vendors to determine how the optimized frames will impact their ingestors.

Contacts for Further Information: ESPC Operations Help Desk at ESPCOperations@noaa.gov or (301) 817-3880 for operational concerns, including outages and administrative information. Satellite Products and Services Division User Services Coordinators at SPSD.Userservices@noaa.gov for general comments and inquiries.

Additional Web Site Resources:

See <http://www.ssd.noaa.gov/PS/SATS/messages.html> for this and other satellite related messages.

See <http://www.ospo.noaa.gov/Operations/GOES/schedules.html> for GOES schedules.

See http://www.ospo.noaa.gov/Operations/GOES/schedules_3col.html for a preview of the new proposed GOES-13 (GOES-East) Optimized Schedules (not operational)

See www.class.noaa.gov (the Comprehensive Large Array-data Stewardship System (CLASS)) for archived GOES-13 (GOES-East) data

See <http://www.ssec.wisc.edu/datacenter/> for Space Science and Engineering Center (SSEC) data center