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

6th Teleconference, 13 March 2014, 15.00 UTC

Summary

Participants:
Estela Collini, SNM, Argentina
Diego Souza, INPE, Brazil
Sergio Pereira, INPE, Brazil
Paul Seymour, NOAA NESDIS, USA
Kelly Sponberg, UCAR, USA
Stephan Bojinski, WMO
David Bradley, Environment Canada
Shannon Kaya, Environment Canada
Bryan Thomas, Met Service, Trinidad and Tobago
Sally Wannop, EUMETSAT

Apologies received:
Paola Adriana Barbosa, IDEAM, Colombia

0. Review of Actions

The status of open Actions was reviewed:

Action 2.1: NOAA, INPE, EUMETSAT and potentially other data providers to complement the initial user requirements list with matching information on satellite products and data distribution mechanisms. For this purpose, the Excel sheet depicted in Annex II will be made available by email and on http://satelite.cptec.inpe.br/geonetcast/es/datareq.html).

DONE by EUMETSAT, INPE

Update (4th Call):

- NOAA continues working on this, and since all NOAA products should be considered, this task requires more time – status to be checked at the next call end of February 2014

OPEN; work is ongoing.

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

DONE

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

DONE

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

DONE on 28 Feb 2014.

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.

OPEN; feedback still desirable, in addition to earlier INPE feedback; more discussion expected.

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

P. Seymour informed the Group on these test which occurred on:
- 4 March: 3 hour test of the Optimized Schedule during Routine Schedule
- 6 March: 3 hour test during Rapid Scan Schedule

Heavy solar radiofrequency interference occurred during both tests, partly compromising the quality of imagery (e.g., black lines). Ground systems at NOAA received all images, they were geolocated and processed correctly. Feedback was received from Canada, Colombia and Brazil (INPE).

Implementation of the new schedule is tentatively planned for May, pending final approval by NOAA NWS. Since starting times of frames will be changed, users and vendors of direct readout equipment and software need to adjust their systems. To do so, NOAA plan another set of images with the new schedule, for April (exact dates TBD). Initial feedback from Bryan Thomas indicates an improved service. D. Bradley also reports positive feedback.

S. Pereira observed some black lines and invalid data in sectors; INPE use a SeaSpace TerraScan direct readout receiving system. The software appears to be unable to capture the first line in images. INPE will communicate with the vendor directly.

Further feedback by users should be sent directly to P. Seymour and K. Sponberg.

2. Regional User Survey: Preliminary Results

Diego Souza presented preliminary results from the regional survey carried out by the Group. He compiled the results collected with help from all focal points. In total, 44 responses have been received, with 38 from RA III and 6 from RA IV. In RA III, Ecuador, Venezuela, Paraguay, Guyana, Surinam did not provide responses. This turn-out is better than in the WMO 2012 Survey for RA III (where 14 responses were collected) but poorer for RA IV (44 –

including 20 from the US). Bryan Thomas expects some more answers from the Caribbean by 15 March.

Only one response included detailed dataset requirements (for Meteosat-8).

Some observations: high interest in DVB-S/S2 as future dissemination system; high interest in investing in direct readout systems (without details), and three indicated the intent to purchase GOES-R systems; Sergio Pereira surmised that many users may not be fully aware of the cost and complexity of direct readout systems; “other satellites” should be detailed since around 30% of answers; many users are interested in uploading their products onto a dissemination system, details are yet to be determined.

A full report on the Survey is expected for the WMO Expert Team on Satellite Utilization and Products (ET-SUP) 8th session, 14-17 April 2014.

3. AOB

None.

4. Next Call

The next call was agreed for **29 April 2014 at 14.00 UTC**.

ANNEX I: AGENDA

0. Review of Actions
1. Report on GOES-13 testing of optimized schedule
2. Regional survey status
3. AOB
4. Next call