ITWG Technical Subgroup on DBNet and DB Software Packages: Update on Actions from ITSC-20 Regarding Software

ITSC-21 Darmstadt, 30 November 2017
Liam Gumley

DB SW TSG Actions from ITSC-20

5.   Nigel Atkinson to prepare an update of AAPP to generate pseudo IASI and/or CrIS all-channel products where the unselected channels would be set to zero.

Completed. This was done as an experiment. Concluded that it is not as efficient as the current scheme, i.e. data volume was higher. No clear benefits, therefore not proposed to make an operational change.

6.   ECMWF (Steve English, Mohammed Daoui) to test the pseudo IASI or CrIS all-channel products.

Probably no longer relevant in the light of the above.

DB SW TSG Actions from ITSC-20

8. Liam Gumley will provide further samples of ATMS BUFR files and SDR files (from NESDIS) to Nigel Atkinson for detailed analysis.

Completed.

9. Nigel Atkinson to update AAPP BUFR converter to ensure that ATMS and CrIS BUFR files from AAPP will comply with NESDIS BUFR files (from DBRTN).

The NESDIS and AAPP BUFR formats are basically the same, i.e. they use the same BUFR sequence. This issue will go away when NCEP ingests only the real-time data provided by DBNet.

10. NOAA/NCEP to consider updating its ingest system to take advantage of the IASI BUFR files available from DBNet.

NOAA/NCEP is now ingesting IASI, CrIS, and ATMS BUFR from DBNet (NCEP data types ESIASI, ESATMS, ESCRIS).

DB SW TSG Actions from ITSC-20

11. Roshydromet to provide documentation on downlink characteristics and work with software beta testers in the DB community.

According to Sergey Uspensky, there is no budget approved for preparing the software. The MTVZA-GY microwave sensor on Meteor-M N2 failed in August 2017, and Meteor-M N2-1 launch failed in November 2017.

12. CSPP team to check whether AAPP converter of EARS BUFR files into input formats for CSPP MIRS and IAPP is sufficiently documented.

CSPP team looked at this request and concluded it was not feasible for MIRS and since it requires AAPP Level 1B format (the AAPP BUFR decoder writes Level 1C format). It should be feasible for IAPP since it requires AAPP Level 1D format (has not been tested though).

DB SW TSG Actions from ITSC-20

13.   CMA, ROSHYDROMET, to consider providing the source code for the L1B processing software of Meteor-M2 /MTVZA and FY-3/MHTS-MWTS respectively

No action from CMA or Roshydromet at this time.

14.   Dieter Klaes, Thomas August to raise with EUMETSAT governing bodies the possibility to release a IASI Level 2 processor for Direct Broadcast users.

Not planned at this time. However, EUMETSAT would reconsider it if there is sufficient user interest.

15.   Liam Gumley to investigate the possibility of an AMV processor for LEO Direct Broadcast users.

This task looks to be feasible, using the VIIRS/MODIS AMV processor from Jeff Key (NOAA ASPB) which is already running in a customized form at several DB sites. However, the CSPP team has not moved forward on it due to other higher priorities. It could be given higher priority if there is sufficient user interest.