Direct Broadcast Software Packages ITWG Technical Subgroup Report

ITSC-19 Jeju Island, March 2014
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INTERNATIONAL
ATOVS
WORKING GROUP

Attendees (20)

Jerome Lafeuille, Liam Gumley, Nathalie Selbach, Nigel Atkinson, Anna Booton, Kathy Strabala, Graeme Martin, Rebecca Cintineo, Pascale Roquet, Katerina Melnik, Geoff Cureton, Ashim Kumar Mitra, Scott Mindock, Su-Hyun Jung, Jeong-Sik Kim, Jae-Dong Jang, Dieter Klaes, Kelvin Brentzel, Akira Okagaki, Mitch Goldberg

Topics

1. Q: Is there a cloud type product available in any of the software packages?

A: CLAVR-X/CSPP and MAIA/AAPP contain cloud type products for AVHRR, VIIRS, and MODIS (check the documentation).

2. Q: Would it be helpful to fold IAPP into CSPP to add features such as install documentation, test data, pre-compiled binaries, etc.?

A: There was interest from DWD/CMSAF and some users of AAPP.

Action: Incorporate IAPP into the CSPP family (Liam Gumley).

3. Q: Is there a Clear Air Turbulence product available for MODIS?

A: SSEC may have created such a product in the past.

Action: SSEC will provide information to the group (Kathy Strabala).

Topics

3. Issue: NSMC could provide additional features with it's FY-3 DB software including: source code, regular calibration LUT updates, input data documentation, and test data for verification.

Action: Request the above items from NSMC (Nigel Atkinson and Liam Gumley).

4. Q: What would the DB community like to see regarding schedule for updated software packages?

A: No definitive answer was decided.

5. Q: What would the DB community like to have for new products not currently supported by packages including AAPP, IMAPP, CSPP, etc.

A: No definitive answer was decided.

Topics

6. Issue: AAPP Level 1B is typically stored in binary format. It would be useful to also provide an option for a format such as HDF5 or netCDF4.

Action: Create an implementation plan for self-describing data formats in AAPP (Nigel Atkinson).

7. Q: Will the same software, LUTs, ancillary data, file formats be used for JPSS-1 sensors as are used today for SNPP sensors?

A: Mitch Goldberg says that there will be common software for VIIRS, CrIS, and ATMS available to the DB community.

Action: Verify that there will be common software, file formats, ancillary data etc. (to the extent possible) for SNPP and JPSS-1 (Mitch Goldberg).

Topics

8. Issue: IASI-NG will launch in 2021. What is the plan for providing DB software to create L1B products from IASI-NG?

Action: Request EUMETSAT to ensure that DB software for IASI-NG L1B is available in a timely fashion, define what platforms will be supported, define what formats will be created etc. (Dieter Klaes).

9. Issue: GCOM-W1 has a direct broadcast capability. It would be helpful for the DB community to (a) have continuous access to GCOM-W1 AMSR2 data via DB to provide continuation of AMSR-E capability, and (b) have access to software for processing the AMSR2 DB data.

Action: Promote this item to the PSWG (Done).

Topics

10. Issue: The group noted the new development of a CSPP GEO capability for GOES-R. The group strongly endorses this effort and encourages NOAA to make it available to the DB community in a timely fashion.

11. Issue: Meteorological satellite agencies should be encouraged to provide routine global unencrypted DB capability and accompanying processing software for both existing and new systems and sensors.

Action: Promote this item to the PSWG (Done).

12. Issue: The group looks forward to the expected launch of Meteor-M N2 and strongly encourages the availability of both DB data and accompanying sufficient documentation and software to allow real-time processing of imager and sounder data.

Action: Promote this item to the PSWG (Done).