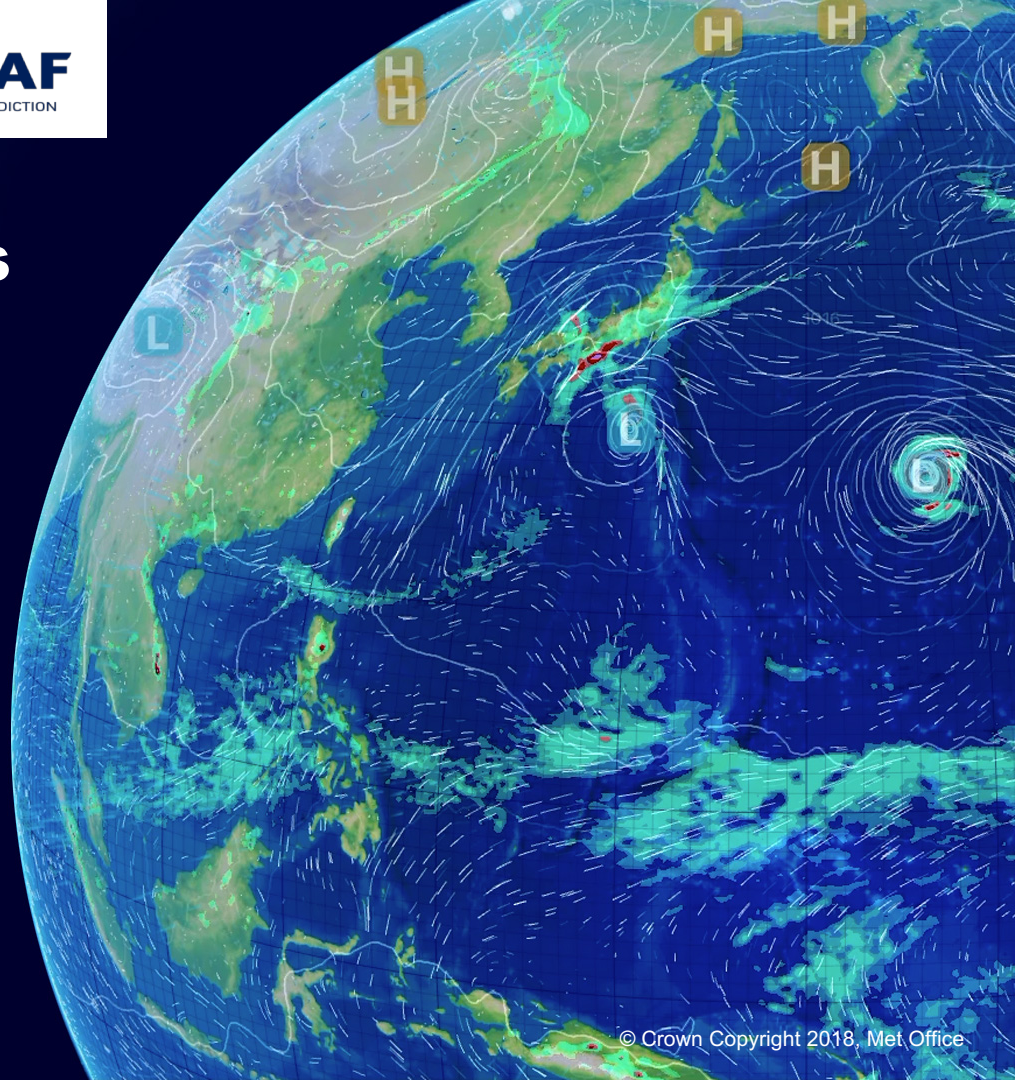


Status of software packages

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Software: AAPP, OPS-LRS, RT-STPS, CSPP

Current versions:

Software	Instruments	version	date
AAPP	All	8.2	10/5/2018
OPS-LRS (part of AAPP)	IASI	8.0	26/2/2018
CSPP	ATMS CrIS	SDR 3.1	28/9/20

What was new in AAPP v8.1 (compared with 7.15)?

- v8.1 was released in Jan 2018
- Support for NOAA-20 (JPSS-1)
- New version of MAIA (but that does not affect DBNet)
- Can use either *ecCodes* or *BUFRDC* for BUFR encode/decode
 - *ecCodes* is the new software package from ECMWF; *BUFRDC* is becoming obsolete, but still supported for now
 - *ecCodes* is *required* for CrIS FSR encoding
 - There have been a few issues with *ecCodes*. Thanks to INPE for helping to test it.
- An example installation script is available – see ftp://ftp.eumetsat.int/pub/NWPSAF/aapp_data_files/ . This installs *BUFRDC*, *ecCodes*, *hdf5*, *AAPP*, *OPS-LRS* and supporting packages
- Revised documents, especially the User Guide and the Installation Guide. See <https://www.nwpsaf.eu/site/software/aapp/documentation/>

What's new in AAPP v8.2 (May 2018)?

New BUFR sequences for FY-3 sounders

- Approved by WMO
- We should discuss strategy for switching to the new sequences
- A new sequence has not yet been defined for MWRI (to my knowledge)

Patches not yet included in an update release

NOAA-19 MHS calibration patch – see <https://www.nwpsaf.eu/site/forums/forum/aapp/announcements/>

DBNet operators are advised to monitor the AAPP Forum

In practise this patch is no longer essential, as the MHS counts have gone back down

OPS-LRS

No scientific changes recently, but the latest version is recommended, to be sure of consistency with global processing

Specific DBNet guidance on installing and running AAPP is at

https://www.nwpsaf.eu/site/software/aapp/documentation/aapp-v8-userguide/#Special_considerations_for_DBNet_contributing_stations

Coming soon in AAPP

Support for FY-3D

- Awaiting availability of data and level 1 processing software

Note: FY-3C DB data are currently only distributed as part of the EARS service. A recent ECMWF study has shown benefits in having timely FY-3 data. *Wider uptake of FY-3 in global DBNet is encouraged.*

Metop-C

- Instrument calibration files

VIIRS/CrIS cluster analysis (similar to AVHRR/IASI)

- Requested by ITSC, but doesn't affect DBNet