

Update on JMA activities

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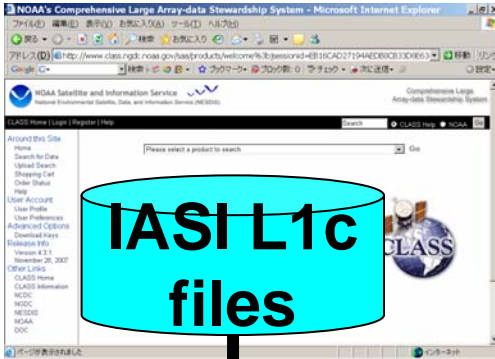
Since the 2nd Joint-Meeting

- JMA's inter-calibration is in steady operation.
 - Jul 1st, 2008 Operational MTSAT-1R Inter-calibration started

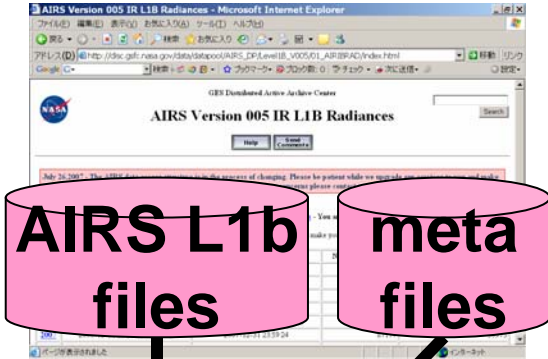
Date	Development
Jul 1 st ,2008	Operation MTSAT-1R inter-calibration has started.
Sep 10 th ,2008	Collocation graph styles were changed.
Jan 7 th ,2008	Statistic codes were modularized for the future modification and sensors.

LEO Data Acquisition

NOAA CLASS



NASA DAAC



Metop Orbit Calc.

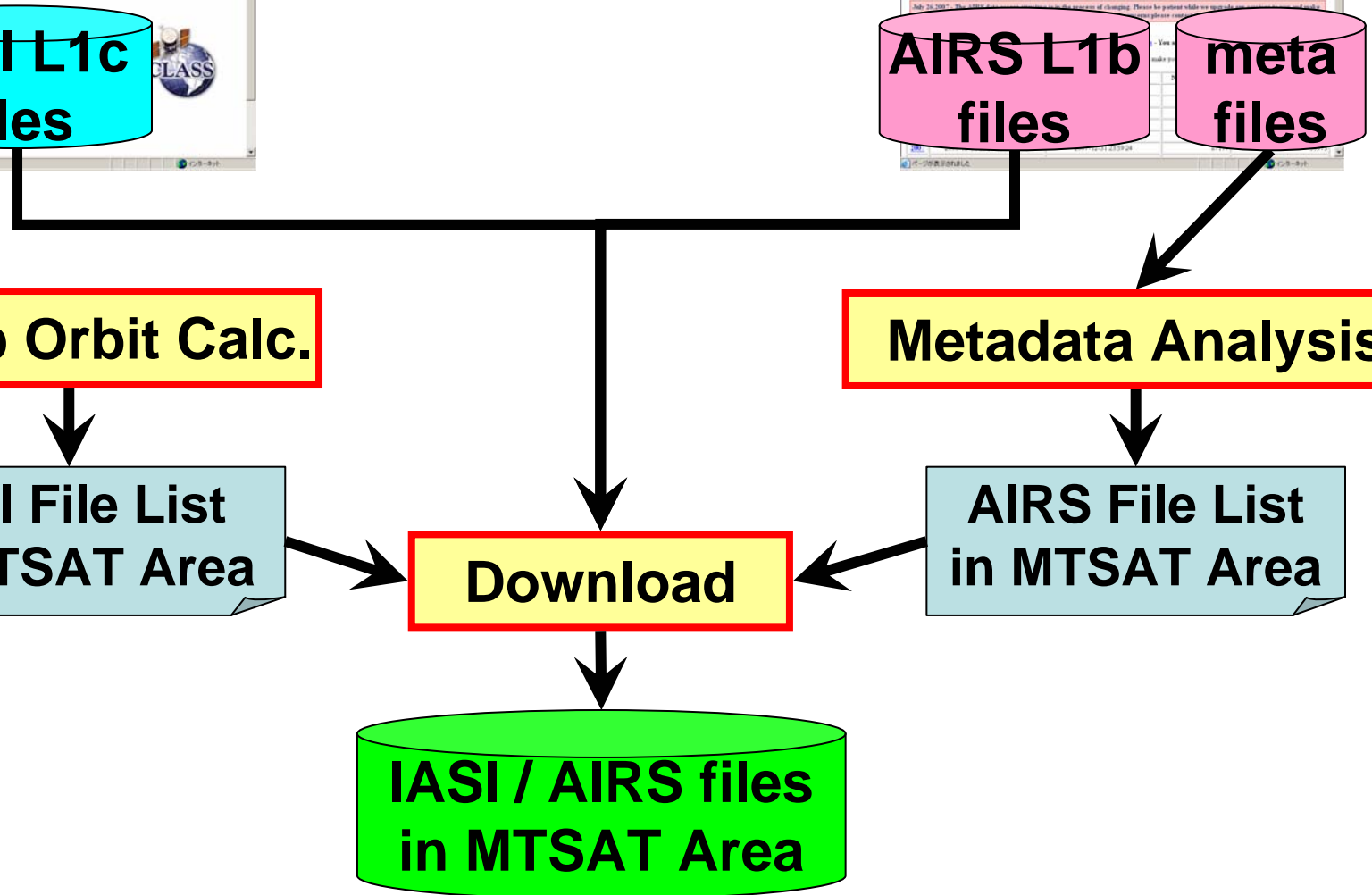
Metadata Analysis

IASI File List
in MTSAT Area

AIRS File List
in MTSAT Area

Download

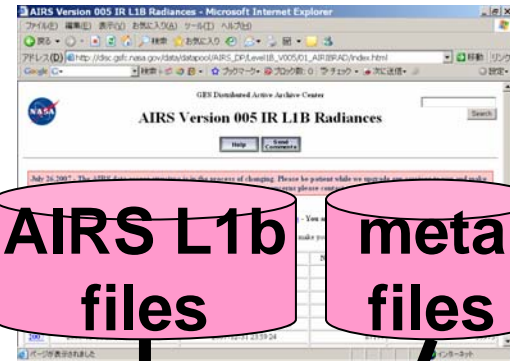
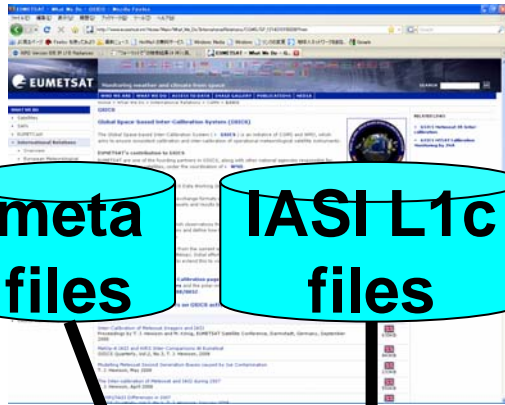
IASI / AIRS files
in MTSAT Area



LEO Data Acquisition(Plan)

EUMETSAT Data Management Server

NASA DAAC



meta files

IASI L1c files

AIRS L1b files

meta files

Metadata Analysis

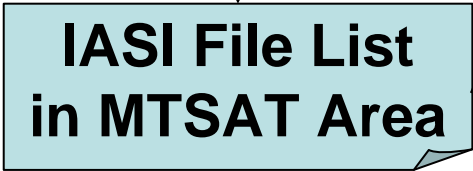
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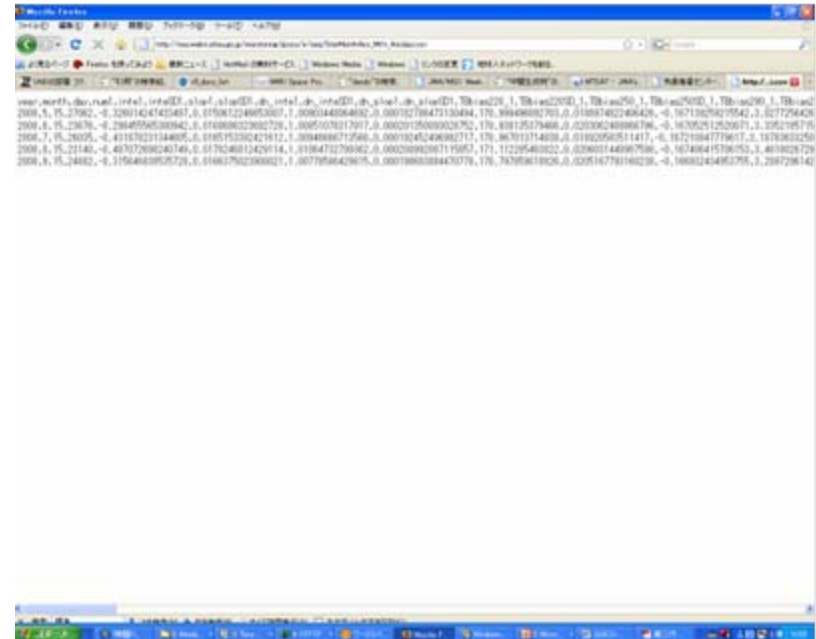
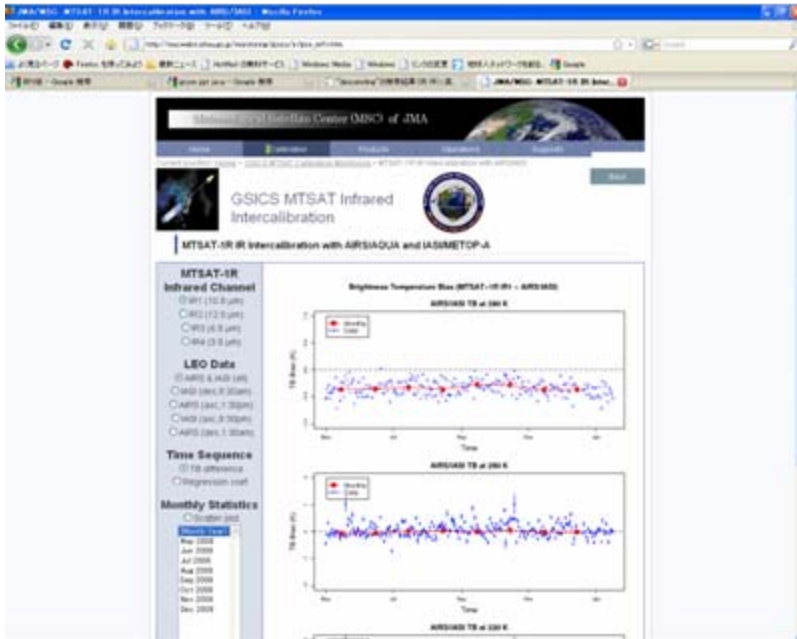
Action to Recommendation WG 2/06

Recommendation

- GPRCs shall create common style/tables for graphs and tables. Supply this common style to GCC.

Action status

- JMA modified inter-calibration graphs styles along the GRWG's suggestion(Dec 16th, 2008 Web Conference)



Action to Recommendation WG 2/03

Recommendation

- Creation of the first set of source data sets

Action status

- EUMETSAT source data format reviewed (1.0 beta, 16 July 2008)
 - MTSAT HRIT data convertible to NetCDF format
 - Estimated volume of MTSAT NetCDF (60N-60N, 110E-170E, VIS + 4xIR) is about 200 MB/scene
 - Sample data is helpful

Readiness for the future modification

Function	Language	Module
Collocation	Fortran 90 and C	GEO Read LEO Read Collocation NetCDF output
Statistics	R	GEO Read LEO Read CSV Output Statistics NetCDF Reader
Download	Perl	

Future Plan

- IASI acquisition from EUMETSAT
 - Metadata are available?
- Update Collocation Data Format
 - In accordance with GDWG/GRWG's recommendation
- Create MTSAT NetCDF
 - In accordance with GDWG/GRWG's recommendation
- Update Inter-calibration results
 - In accordance with GDWG/GRWG's recommendation
- Upload those data
 - As long as the internet traffic in the JMA is OK.....

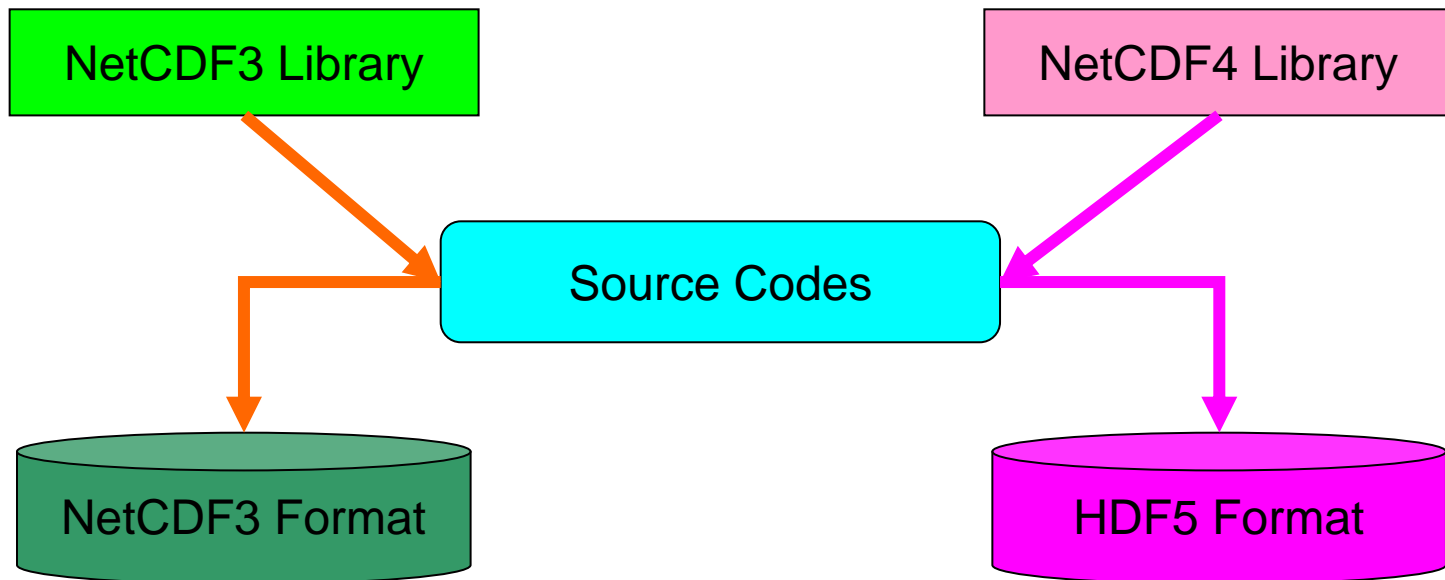
END

Line Speed

- The JMA's line speed is very low
- Downloadin Sounder data, uploading MTSAT NetCDF Data and collocation data will be a big line load.....

NetCDF3 and NetCDF4

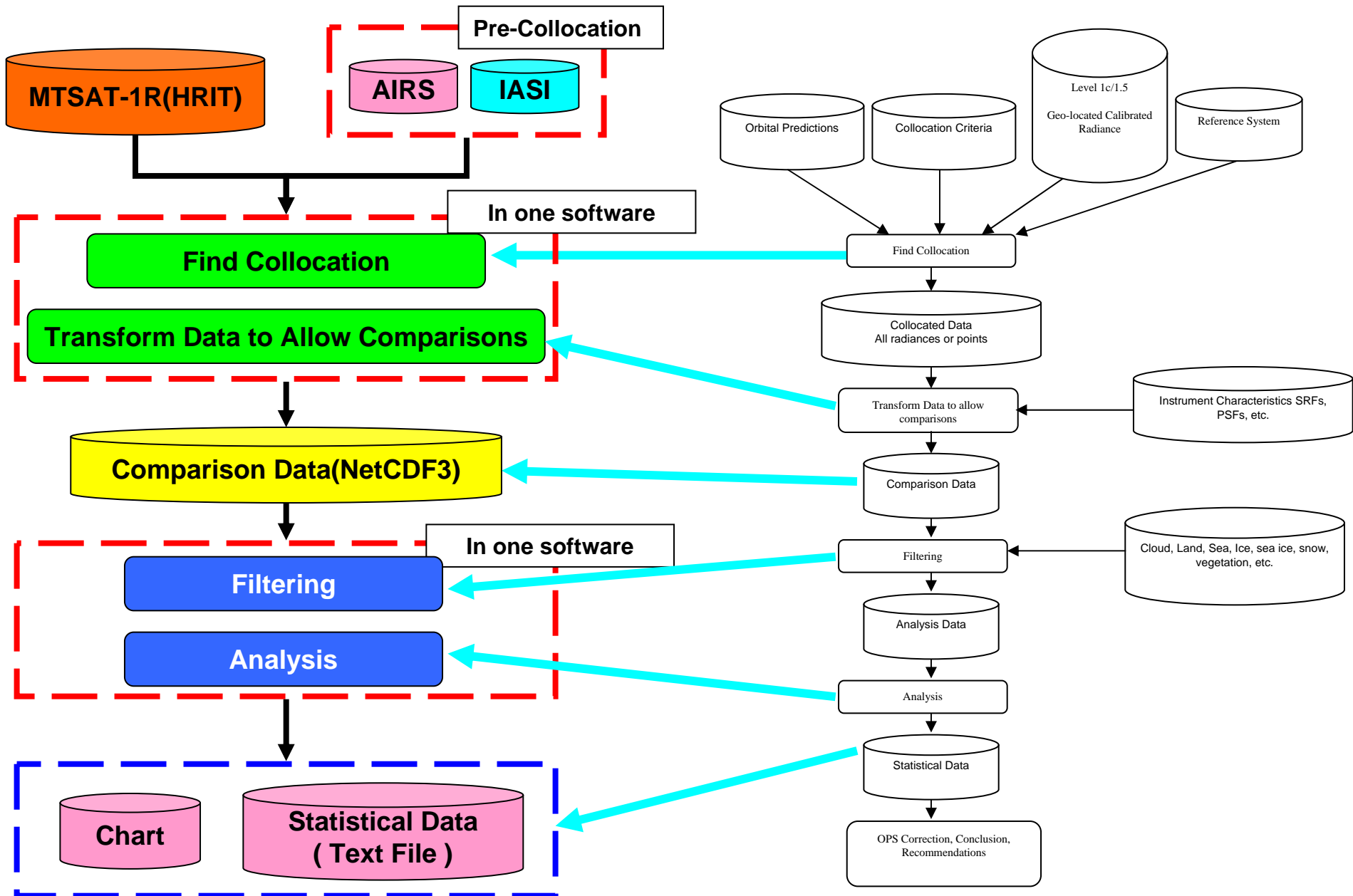
- NetCDF3 and NetCDF4 are source-code compatible.
 - Not necessary to modify the source codes!
 - Linking the NetCDF3, output NetCDF3
 - Linking the NetCDF4, output HDF5



HDF5

- HDF5 has two versions
 - HDF5 1.8.x
 - HDF5 1.6.x
- HDF5 1.8.x is necessary for NetCDF4.

Data Flow Based on GDWG Data Flow



Collocation Result

- JMA output the collocation data in the tentative NetCDF format.
- Collocation data format should be decided?
 - GDWG 2nd Recommendation 3.
 - The members of the GDWG should create data format templates in accordance with the generic data flow diagram. The GSICS partners should use these formats in generating their data and products.
- JMA will upload the collocation data to the Data Management Server.