

ECMWF / EUMETSAT NWP-SAF Workshop

The Assimilation of Hyper-spectral Geostationary Satellite Observations

22-25 May 2017

Draft report on working group discussions



Working Group 1: Assimilation Opportunities

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Working Group 2: Data Processing and Radiative Transfer

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Main Workshop Recommendations:

- **Instrument Calibration / Validation** (common approach with IASI-NG, follow what was done for IASI and early use of the NWP community monitoring)
- **Level 1 data processing** (to achieve a uniform and time stable SRF is strong requirement)
- **Apodisation** (no requirement for unapodised data, proposed light approach supported, but many users will locally apply Gaussian for assimilation)
- **PCA compression** (must be global and include flagging / transmission of poorly compressed spectra)
- **Measurement schedule** (should be reviewed – more frequent cover of SH/Tropics needed for NWP)
- **GIIRS on FY-4A** (must do everything we can to get this out to users to pave way for MTG-IRS)
- **IRS wind product generation** (support for EUMETSAT plans in this area)