**INTRODUCTION:** Many important upgrades to the operational Global Deterministic and Ensemble Prediction System (GDPS & GEPS) at Environment Canada were implemented since ITSC-19:

- Satellite radiance bias correction improvement: Coefficients computed fromObs-minus-analysis from a 3DVar analysis that does not include radiances
- RTTOV updated from version 8.7 to version 10.2
- Static bias correction for aircraft temperature and change in the selection of observation (now based on model levels)
- Assimilation of ATMS (See poster session 11b from Stephen Macpherson).
- Assimilation of CrIS and ground-based GPS data over Europe (E-GVAP network).
- Assimilation of IASI from Metop-B (on May 2014)
- Assimilation of additional channels from CSR.
- Assimilation of CSR from Himawari-8, AMVs from SNPP and Himawari-8, Scatterometers from RapidScat.

**EXPECTED END-2015**

- Assimilation of AMVs from SNPP
- Assimilation of CSR from Himawari-8, AMVs from SNPP and Himawari-8, Scatterometers from RapidScat.

**FUTURE PLANS**

- Assimilation of CSR from Himawari-8, AMVs from SNPP and Himawari-8, Scatterometers from RapidScat.
- Assimilation of additional channels from CSR.
- Increase thinning resolution from 150km to 125km globally or over the extratropics only.
- Assimilation of infrared radiance observations with sensitivity to land surfaces (See Session 10a oral presentation from Louis Garand).

**REFERENCES:**


- Laroche, S., and R. Sarrazin, 2013: Impact of radiosonde balloon drift correlation into account (See poster session 5b from Louis Garand).

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