

Provisional Programme

ECMWF/EUMETSAT NWP-SAF Workshop on Bias estimation and correction in data assimilation, 8 - 11 November 2005.

Tuesday 8 November 2005

09.20-09.45 *Registration*

09.45-10:00 Philippe Bougeault: Welcome

Introductory presentations

10.00-10.40 Dick Dee (GMAO)..... Bias and data assimilation

10.40-11.20 Tony McNally (ECMWF) Introduction to bias estimation and correction for satellite data assimilation

11.20-11.40 *Coffee*

Sources of systematic error

11.40-12.20 Anton Beljaars (ECMWF)..... Description of systematic errors in a modelling and assimilation system

12.20-14.00 *Lunch*

14.00-14.40 Roger Saunders (Met-Office)... Sources of biases in IR RT modelling

14.40-15.20 Peter Bauer (ECMWF)..... Sources of biases in MW RT modelling

15.20-15.40 *Tea*

15.40-16.20 Ken Holmlund (EUMETSAT) . Satellite Instrument Calibration Issues: Geostationary platforms

16.20-17.00 William Bell (Met-Office)..... Satellite Instrument Calibration issues: experience gained from SSMIS

17.00 *Cocktail Party*

Wednesday 9 November 2005

Independent validation data /conventional observations

09.15-09.55 Tom Ackerman (Richland, US) Use of validation sites and field campaigns in support for observational bias estimation and correction

09.55-10.35 Leo Haimberger (Univ Vienna) Bias correction for conventional observations

10.35-10.55 *Coffee*

10.55-11.35 Drasko Vasiljevic (ECMWF)... Handling biases in surface pressure observations in data assimilation

11.35-12.15 Sean Healy (ECMWF) Potential of radio-occultation to identify/correct other satellite observation biases

Continued

Operational implementation of bias correction

- 12.15-12.45 Thomas Auligné (ECMWF)..... Bias correction of satellite data at ECMWF
- 12.45-14.00 *Lunch*
- 14.00-14.30 Paul Vandelst (NCEP)..... Bias correction of satellite data at NCEP
- 14.30-15.00 Louis Garand (CMC)..... Experience with bias correction at CMC
- 15.00-15.30 *Tea*
- 15.30-16.00 Elisabeth Gérard (Météo-Fr) Bias correction of satellite data at Météo-France
- 16.00-16.30 Nigel Atkinson (Met-Office).... Bias correction of satellite data at the MetOffice

Thursday 10 November 2005

- 09.15-09.45 Yannick Tremolet (ECMWF)... Inclusion of model component of bias estimation in assimilation

Regional applications

- 09.45-10.15 Per Dahlgren (SMHI) Bias correction issues in limited area models: strategy for HIRLAM
- 10.15-10.30 *Coffee*
- 10.30-11.00 Roger Randriamampianina (HMS) Bias correction issues in limited area models: strategy for ALADIN

Environmental monitoring/reanalysis

- 11.00-11.40 Richard Engelen (ECMWF)..... Bias correction for environmental monitoring
- 11.40-12.20 Sakari Uppala et al (ECMWF) . Experience and estimation of biases in ECMWF reanalyses
- 12.20-13.00 Shinya Kobayashi (JMA) Satellite bias correction in JRA-25 reanalysis
- 13.00-14.00 *Lunch*
- 14.00-18.00 Tentative topics for discussions:
- Operational implementation of bias correction (including regional applications)
 - Sources of systematic errors and independent validation datasets
 - Environmental monitoring and Reanalysis aspects
- 18.00 *Informal buffet in the ECMWF Restaurant*

Friday 11 November 2005

- 09.30-12.15 **Working group discussions and drafting of recommendations**
- 12.15-13.45 *Lunch*
- 13:45-15:30 **Plenary session**