



Advanced High Spectral Resolution Infrared Observations
EUMETSAT
Darmstadt, Germany
15-17 September, 2008

AGENDA

Monday, September 15th, 2008

Morning:

❖ *Hyperspectral Products*

Moderated by **Peter Schlüssel**

09:00-09:35 **Dan Zhou**: Fine atmospheric structure retrieved from AIRS and IASI under all weather condition.

09:40-10:15 **Elisabeth Weisz**: Cloud characteristics from combined imager and sounder measurements

10:20-10:30 BREAK

10:30-11:05 **Pierre Coheur**: IASI monitoring of short-lived atmospheric species

11:10-11:45 **Peter Rayner**: Atmospheric CO₂ distributions using operational satellite measurements; The GEMS perspective

11:50-12:25 **Eric Maddy**: NOAA Trace Gas Products from AIRS and IASI

12:30 ADJOURNMENT

Afternoon:

❖ *Hyperspectral Products (cont.)*

Moderated by: **Bill Smith**

14:00-14:35 **Youri Plokhenko**: Non-linear estimation of carbon dioxide concentrations using the spectral information from the Atmospheric Infrared Sounder (AIRS)

14:40-15:15 **Cathy Clerbaux**: Atmospheric chemistry products with IASI

15:20-15:30 BREAK

15:30-16:05 **Peter Schlüssel**: Operational IASI level 2 processing

16:10-16:45 **Allen Huang**: Advancement of Hyperspectral Infrared Sounding Retrieval Science at CIMSS

16:50-17:25 **Qifeng Lu**: Assimilating Metop/IASI data in NSMC/CMA

17:30 ADJOURNMENT

Evening:

❖ 18:30 **Workshop banquet**

Tuesday, September 16th, 2008

Morning:

❖ *Radiative Transfer*

Moderated by **Hank Revercomb**

08:30-09:05 **Larrabee Strow**: IASI and AIRS validation and intercomparisons with SARTA
09:10-9:45 **Jonathan Taylor**: UK Metoffice latest results on PC radiative transfer
9:45-10:20 **Marco Matricardi**: The status of the RTTOV forward model and an assessment of its accuracy using high spectral resolution satellite data BREAK
10:20-10:45 Break
10:45-11:20 **Tony Clough**: Status of the LBLRTM Forward Model: IASI Validations
11:25-11:45 **Paolo Antonelli**: UWPHYSRET an SSEC inversion package for high resolution Infrared Data based on LBLRTM.
11:50-12:25 **Bob Knuteson**: Land surface temperature and total column water retrieval.
12:30 ADJOURNMENT

Afternoon:

❖ ***Calibration / Validation***

Moderated by **Stephen Tjemkes**

14:00-14:55 **Hank Revercomb, Dave Tobin**: CLARREO and JAIVEX and Spectral Stability

15:00-15:35 **Nikita Pougatchev**: Statistical validation assessment model for advanced sounding products

15:40-16:10 BREAK

16:10-16:45 **Michel Kruglanski**: Validation of atmospheric chemistry products

16:50-17:25 **Tim Hewison**: IASI as calibration standard of Meteosat images

17:25-18:00 **Xavier Calbet**: IASI validation campaigns

18:00 ADJOURNMENT

Wednesday, September 17th, 2008

Morning:

❖ ***“Future Advanced Sounders”***

Moderated by **Paul Menzel**

09:00-09:35 **Bill Smith**: Advanced Geostationary Sounders

09:40-10:15 **Stephen Tjemkes**: MTG IRS candidate mission

10:20-10:30 BREAK

10:30-11:05 **Paul Menzel**: Inspecting multi-spectral and hyper-spectral data with HYDRA

11:10-11:45 **Christophe Accadia**: Advanced IR sounder requirements for post-EPS

11:50-12:25 **Steve Mango**: Advanced Sounding Perspectives on NPOESS NexGen

12:30 ADJOURNMENT