

Advanced Sensors Working Group

Vector Wind Assimilation and Preparation for Advanced Geostationary Sounders

- Need to understand the relative lack of impact at NCEP and GMAO versus NRL
- Need for greater collaboration between centres on wind assimilation
- Greater understanding of these issues will aid assimilation of advanced geo sounders radiances and products
- OSSEs should be run to determine probable impact from ABI-like instrument on GOES-U

Use of cloudy IR radiances

- JCSDA should sponsor research on the use of cloud-affected radiances
 - Cloud cleared radiances
 - Modelling cloud to determine T/q
 - Direct Assimilation of cloud properties.
- Many European centres already have this capability.

FOV size for Advanced IR Sounders

- Current IASI FOV size is 12km
- Smaller FOVs would result in more homogeneity – esp. over land and clouds.
- But smaller FOVs result in larger noise and/or less spectral resolution.
- Suggest JCSDA sponsor trade-off studies.

Future observing systems

- Scientists should emphasize linkage between past and future instruments to justify future systems.
- Local area models and short-range forecasting will become more important in the future
 - What will the effect be on observing requirements.

Format of Meeting

- Poster session too short and crowded.
 - Suggest introductory poster talks (1 minute, no viewgraphs)
- Talks should be timed to encourage more discussion
- Could venue be accessible to public transportation?