

ORAC Meeting (The Beecroft Room, DWB, Oxford)

15/01/2008

Present: *Ludwig Brinckmann, Elies Campmany, Elisa Carboni, Don Grainger, Caroline Poulsen, Andy Sayer, Andy Smith, Richard Siddans, Gareth Thomas and Lin Wu*

1 Processing, V2 ANALYSIS:

- Lin has produced some plots comparing V2 and V1 Cloud Optical Depth (Level2). Caroline and Lin will investigate these differences in detail.
- It was noted that a lack of a CVS system means we cannot recreate the exact state of processing before the RAL disk crash. Effort in this area has to be on a best effort basis as cloud work is currently under resourced. Elies to check data archiving.
- Elies is producing a Ship Track climatology from GRAPE V2 Level2 data. He is investigating ways of speeding up the code.
- Caroline noted that after 2001, UBT files are not corrected for the ERS1 pointing error (instead GBT files should be used)

2 ALGORITHM:

- Ludwig is working on a stereo algorithm for AATSR. He is currently focused on June 2003. Comparisons with MISR give a height different on the order of 700 m. He is planning to implement the algorithm as part of the preprocessing for the ORAC Cloud retrieval. Given this code is currently unofficially supported it was requested he note any problems for the NCEO appointment in this area.
- Andy Sayer is working on surface albedo correlations in MODIS data.
- Gareth reported that Globcolour has produced netcdf files of chlorophyll and gelbstoff which are more easily input into the sea surface reflectance model.
- Caroline has produced routines to read the different format MODIS BRDF files.
- ACTION Produce new set of Aerosol LUT with better resolution of angles in order to avoid interpolation errors. (Elisa, 2 weeks)

3 PUBLICATIONS:

- Aerosol Validation Paper (Richard/Caroline) Plots will be produced as soon as 1x1 Level3 and points.out files are available (Lin is currently processing them)
- Aerosol Algorithm Paper (Gareth) A draft was circulated in November. Some comments and suggestions were received. List of points to address.
- Cloud Validation Paper (Elies) New plots will be produced as soon as points.out files are available (Lin is currently processing them)

- Cloud Algorithm Paper (Caroline) She is working in the double layer cloud simulations.
- Kokhanovsky's Book: (Gareth) Waiting for reviewer's comments.

4 OTHER:

- GLOBAEROSOL
 - passed the MTR and now into Phase 2
 - update of non SEVIRI code awaiting lawyers contract with GMV
 - new code available to improve ATSR calibration
 - need to consider model intercomparison part of the project
 - Richard agreed to write to Thomas Holzer-Popp requesting that Globaerosol be linked to WMO-GAW world data center for remote sensing of the atmosphere.
- ADIENT
 - a near-real time server provides ORAC processed AATSR data
- DRI
 - Elisa reported a positive response to the study which focuses on Saharan dust measurements in March 2006.
- Imperfect Cloud Study
 - Richard noted that this study has commenced
 - A BA essay student (Thomas) is currently doing a literature review at Oxford
- BEAM course at RAL
- Gareth reported some interesting conclusions about MISR and AGU meetings
- Next meeting: 13th February at RAL (Room 1 - next to the tea room; 10am)