

ORAC Meeting (RAL)

15/08/2007

Present: *Elies Campmany, Elisa Carboni, Don Grainger, Barry Latter, Caroline Poulsen, Richard Siddans and Gareth Thomas*

1 GRAPE

1.1 PROCESSING

- GRAPE scripts are mostly debugged and so far 3 months have been processed since the last crash. L2 comparisons show slight differences in some features. It was decided these were not worth investigating.
- Caroline has detected a buggy behaviour in the snow flag
- 2 years of data left to process

1.2 ALGORITHM

- Andy reported progress on spectral land surface based dual view FM. He is investigating the use of MODIS data to form the a priori covariance matrix of land reflection.
- Richard has fixed a couple of bugs in the aerosol algorithm (plus now it converges faster)
- Gareth has rewritten a preprocessing routine on land BRDF model and tested with Globaerosol test month.

1.2.1 Outstanding To Do's:

- Update output documentation for GRAPE Version2 (Elies)
- Set strategy for the code updating, using CVS, SVN (Gareth)

1.3 PUBLICATIONS:

- Aerosol Algorithm Paper (Gareth) No progress since the last meeting.
- Aerosol Validation Paper (Richard/Caroline) No progress since the last meeting.
- Cloud Algorithm Paper (Caroline) Various water and ice clouds simulations at different optical depths have been produced.
- Cloud Validation Paper (Elies) No progress since the last meeting.
- Paul Palmer's paper submitted.
- van Dienenhoven paper using GRAPE data has appeared out of nowhere.

2 Globaerosol

2.1 STATUS

- Last minute dash to prepare the Progress Report on the GMV test month. Quick look at the products shows them to be OK (TBC).
- Dual view retrieval is progressing in parallel so the report short contain the prospect of an improved algorithm.

3 Other

- Don set up an ORAC website (www.atm.ox.ac.uk/project/ORAC/index.html)
- Wu Lin is visiting for 6 months from mid Sept. Elies will supervise him to help with cloud/ship track analysis.
- ESA proposals were briefly discussed.
- Next Meeting was not discussed but I propose it is held toward the end of Sept (Wednesday the 26th?) before the University term starts and before the Globaerosol MTR.