

Minutes of ORAC Meeting

Wednesday 3rd December, 2008, Oxford

Present: *Chris Arnold, Elisa Carboni, Don Grainger, Haiyan Huang, Caroline Poulsen, Andy Sayer, Richard Siddans, Gareth Thomas*

1. Minutes of the previous meeting - all ok.
2. GRAPE status (Andy/Caroline/Chris). Tempranillo is being very temperamental with a lot of downtime, although we only need 10 more days to finish ATSR-2 for GEWEX. Chris is working on the plots. Caroline is to look in to the price of more storage space, as this is becoming an issue again. Andy will make code backups each month or so, and has also fixed a cloud water path calculation bug in the level 2 files. Brian Coan at RAL has also offered to make backups of the code directories. Johannes Quaas is a potential user, who Andy will contact. Andy will also eventually revamp the GRAPE website.
3. GlobAerosol status (Gareth). Data is being processed, and we are awaiting GMV for some more quality control information? GMV have also been using results without informing Oxford/RAL, in the PROMOTE project.
4. ADIENT status (Gareth). Working on extracting satellite data to match FAAM flights.
5. DRI status (Elisa). Has made some progress estimating the mass budget. Questions about speciation in GlobAerosol data. Has also compared effective radius to AERONET almucantar retrievals. Is hoping to write more of the paper soon.
6. Haiyan. Presented some work on the link between wind speed/direction and aerosol optical depth off the coasts of Britain. Some evidence that we may be able to see aerosol blown off the UK/change in clean conditions by looking at wind direction.
7. EUMETSAT plane parallel study status (Elisa/Richard). Richard has shown some sensitivity studies using various forward model approximations.
8. LUT Chris progressing on spline interpolation of LUTs.
9. Claire Bulgin. Richard presented some phase functions calculated using DODO flight results and comparisons to ORAC assumed phase functions (biomass/desert dust).
10. New MPhys students (AOPP) . We will have students working on temporal variability of surface albedo, and empirical aerosol flags (for detecting e.g. desert dust, biomass aerosol).
11. Report back from ATSR SAG. Dave Smith has new AATSR calibration file which Caroline will circulate. Invite to GHRSSST.
12. Report back from Synergy meeting. North group has not got it fully working; others seem to be using AATSR as a cloud mask.
13. Publications : Little progress. ATSR special issue deadline is June 30th 2009; aim for 3 papers (cloud [Caroline lead], aerosol [Gareth lead] and surface [Andy lead]).
14. AOB. Cloudmap users to be pointed at GRAPE data
15. Date of next meeting. Thursday Jan 15th, RAL, 10 am.