

**Draft minutes for NCEO-ORAC meeting, 13<sup>th</sup> September 2010, 10 am, RAL**

1. Minutes of previous meeting were accepted.

2. ORAC Projects

a. ADIENT status

Nothing to report

b. GRAPE/GEWEX status

Fixed cloud position above inversion to be below inversion.

GEWEX will remain an item as it is ongoing.

c. Aerosol CCI status & Cloud CCI status

Gareth & Caroline (P) to come up with a division of responsibilities for these projects.

Gareth to prepare and circulate Aerosol model talk for aerosol cci meeting in Oxford

Potential attendance at the Cloud CCI kick-off (depends on agenda)

Caroline (P), Richard, Gareth, Chris & Don

3. ORAC Version 4

Don thanked Caroline (P) for setting up the RAL ORAC repository and completing the coding guide. It is expected that **all** ORAC and ORAC-related code will comply with this guide.

Gareth's descriptions of ORAC V4 routines are 'work in progress'.

Caroline (C) showed the effect of foam and wind speed on surface emissivity for the AATSR nadir and forward view. There was a larger effect for the forward view than the nadir but neither impacted SST above the 0.3 K level.

4. Student progress

Haiyan presented results of her VIS+IR retrieval. A good start but the averaging kernel values for the aerosol pressure height looked suspiciously high.

Chris presented changes caused by the alteration of the COD 1<sup>st</sup> guess. Understanding what is happening over non-snow or bright surfaces is on-going.

5. Publications

Richard promises to have comments back to Caroline by next meeting.

6. Any other business

RAL is undertaking two EUMETSAT funded studies:

- a. Extension of cloud model study to provide RTTOV coefficients for the visible channels and to model the 3.8 um SEVIRI channel
- b. Generate and report on LUTs for dust model.

7. Date of next meeting

10.30 am, 11 October, AOPP.