Attempt to understand differences between derived products

-Document the angular dependence

- *Action.* Analysis of the ATSR two angle measurements.
- *Action.* Analysis of pairs of geostationary satellites.

-Intercomparison of the emissivity data sets

- *Action.* A data base already exists, needs to be completed and careful analysis conducted. Land surface classification and topography
- spectral dependence?

- Cloud contamination

- intercomparison work done elsewhere
- *Recommendations* for in situ measurements (cloud and meteo information required)
- aerosol problem also mentioned

-Calibration / intercalibration

- work being done elsewhere
- Recommendation. special attention should be brought to the low and high range and the non linearity that could be associated

- Work to be done on the split window technique?
    - on the atmospheric data based used to create the sets of coefficients
    - on the statistical method to estimate the coefficient

- Document the heterogeneity problem
    - Action. Analysis of coincident ASTER / MODIS / AVHRR

- Microwave analysis of coincident measurements.
    - Still a lot to be done on the understanding of the signal especially in arid and cold (snow annd ice) regions

MAIN ACTION

For the comparison of products, selection of several months (to describe the seasonal cycle) of coincident satellite data when in situ measurements and model outputs available. Desired info for each pixel

- Ts, emissivity, T at top of the atmosphere, time (UTC), incidence angle, water vapor info used by the algo, atmospheric T, cloud amount from the algo, land surface class.