ITSC-18
CRTM Technical Subgroup

Issues discussed

- Make available the CRTM training software to generate instrument coefficients.
  - There are plans to do this, but probably won't be available until late 2013.
  - Concerns about origin of CRTM coefficient files. Suggestions:
    - "Tag" coefficient files with originating institution.
    - Include instrument SRF and/or frequency data in coefficient files.
  - Action: CRTM development team to come up with a schedule for training software release. Report to ITSC members.
- Assessment of spectroscopy errors. To allow easier determination of the impact of spectroscopy error, model should document differences when LBL calculations are redone due to updated spectroscopy.
  - Action: CRTM team to better document the heritage of the spectroscopy and LBL code version used to generate transmittance coefficients.
  - Action: CRTM team to document the radiance differences when coefficients are regenerated with updated spectroscopy/LBL code.

Issues discussed

- Computation of unapodised IR spectra.
  - Current plan is use OSS with a CRTM interface wrapper.
  - FY13Q3 (i.e. April-June 2013) target.
- PC version of the CRTM?
  - Main issue: Who will be the user at NCEP/JCSDA?
  - Action: CRTM team to obtain management direction regarding implementation.
- Computation speed for scattering calculation.
  - Implementation of scattering indicator for optimal selection of number of streams (Tom Greenwald, CIMSS/SSEC/Uwisc) was mentioned.
  - Timing scattering calculations will be documented.
- Implementation of CRTM on GPU hardware.
  - No plan to do this.