

CRTM Technical Subgroup Report

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Current Status

- Current CRTM release is v1.1 (Feb.29, 2008)
- Source code and coefficient tarballs available at:
`ftp://ftp.emc.ncep.noaa.gov/jcsda/CRTM`
- Mailing list can be subscribed to at:
`https://lstsrv.ncep.noaa.gov/mailman/listinfo`
and click on the
`NCEP.List.EMC.JCSDA_CRTM`
link.
- Next scheduled release is v1.2 for Jul.01, 2008.
 - Will also include web page.
 - “Public” repository may also be accessible (Trac and ViewVC).

v1.2 Update

- Low frequency microwave sea surface emissivity model developed by Masahiro Kazumori (JMA visiting scientist)
- Update of interpolation module.
 - Currently, linear interpolation used for LUT.
 - New module uses averaged quadratic for continuous derivatives (important for cloudy radiance assimilation work)
- Update of cloud and aerosol optical properties database.
- New sensors
 - FY-3 (IR already completed, working on MW)
 - TRMM TMI
 - Planned GMI
 - Any requests? (other than CrIS 😊)

CRTM Working Group

Formed Jan.2008

- Objectives:

- Develop, maintain, and distribute the CRTM source code.
- Provide a forum for the exchange of ideas and techniques regarding future development of the CRTM code.
- Enhance the collaborations among scientists from different organizations and coordination in CRTM research activities.
- Conduct regular meetings to advance CRTM usage in current and emerging NWP applications.
- Distribute among its members coding guidelines, acceptance criteria, and other CRTM development requirements material as appropriate.
- Foster other activities for the development of the CRTM in NWP, including cooperating with other groups in joint activities and projects.

- Members:

- Core: NOAA(NCEP,STAR,OAR), NRL, AFWA, NASA(GMAO)
- Collaborators: TAMU(Ping Yang), UWisc(Ralf Bennartz), AER(Jean-Luc Moncet), CSU(Andy Jones)