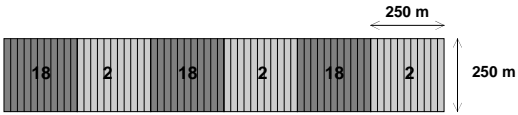
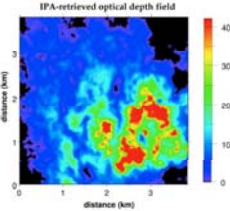
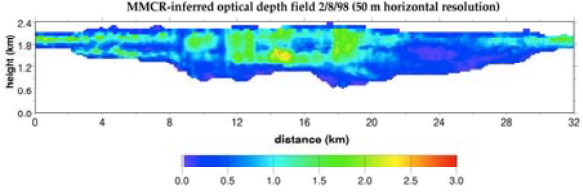
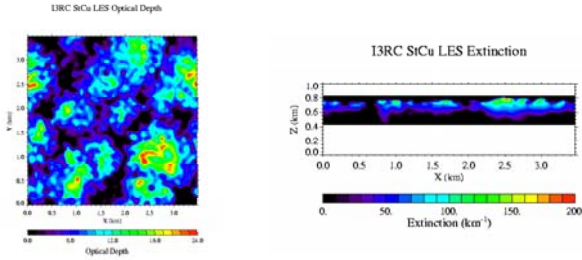
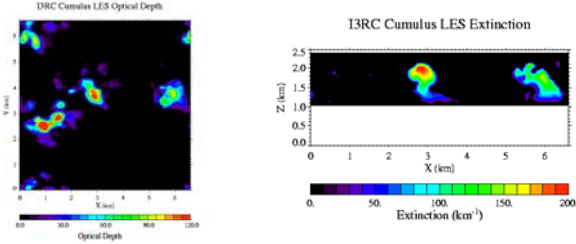
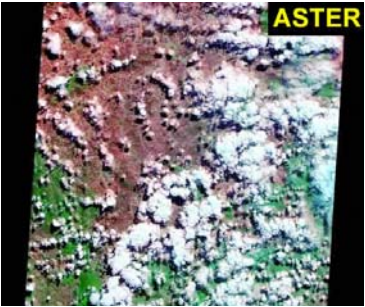
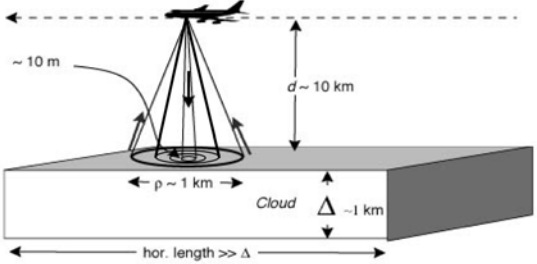


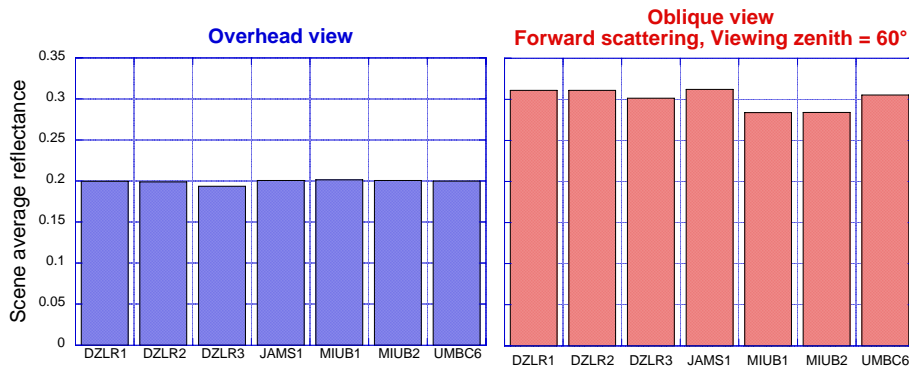
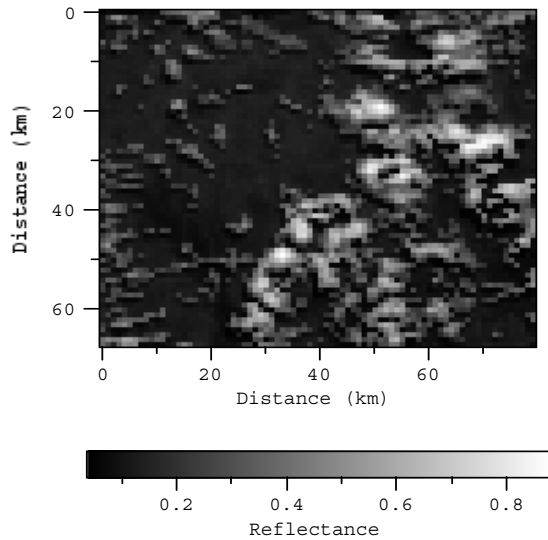
# I3RC intercomparison cases

<p>Phase 1</p>			
<p>Phase 2</p>			
<p>Phase 3</p>			

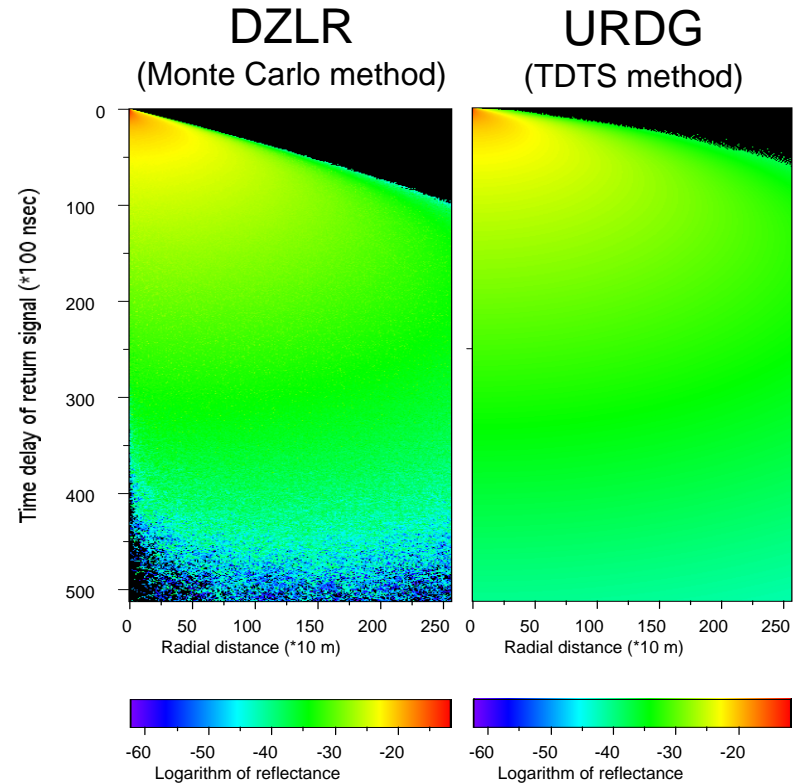
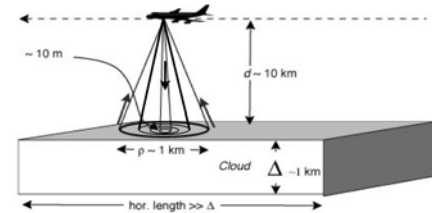
# Phase 3 intercomparisons (12 models participated)

## Solar reflectance

Overhead view  
(simulated by JAMS model)



## Lidar multiple scattering



# Other I3RC activities

## I3RC community code of 3D radiative transfer

- Released in July 2006
- Over 40 downloads in 2007 (since we started keeping track)
- Can calculate radiative fluxes, heating rates, and radiances for any view direction
- Can provide both scene average values and complete fields
- Simulations for single wavelength

## Information on 3D radiative transfer codes (including I3RC community code)

- Wikipedia: [http://en.wikipedia.org/wiki/List\\_of\\_atmospheric\\_radiative\\_transfer\\_codes](http://en.wikipedia.org/wiki/List_of_atmospheric_radiative_transfer_codes)
- I3RC website: <http://i3rc.gsfc.nasa.gov/> (also includes other resources such as 3D-related publications)



## Plans

- Easy-to-use community model of 3D radiative transfer: online 3D simulator, executables
- Automated online system for future code verification
- Illustrative archive of 3D radiative effects