

New Information on Radiative Fluxes in Support of CEOP

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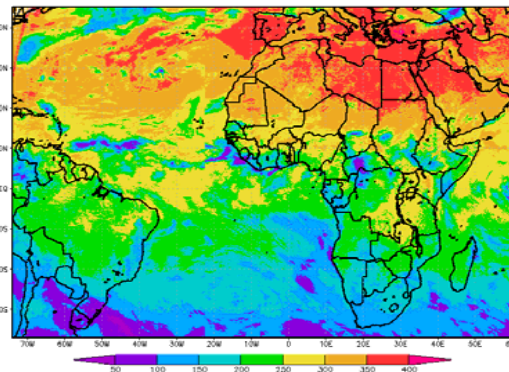
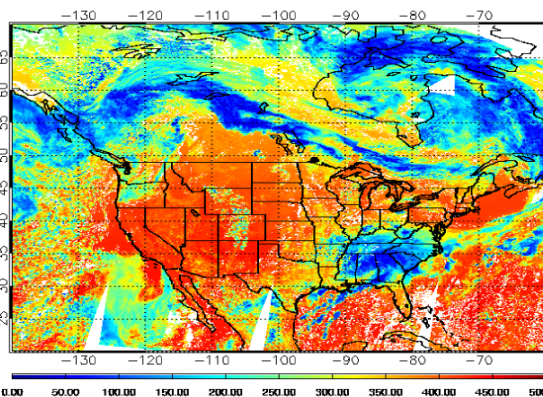
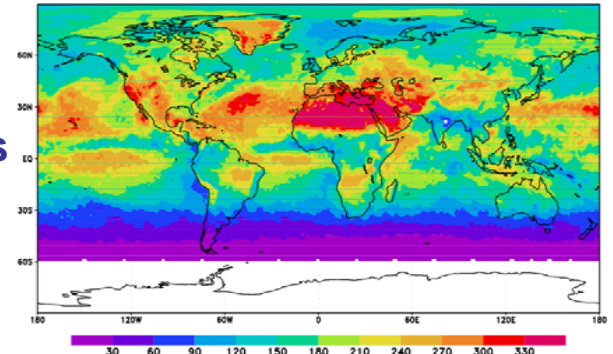
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Summary

- Methodologies have been developed to infer Radiative Fluxes and related parameters over regions of the GEWEX Continental Scale Experiments with a focus on the Asian and African Monsoons
- The inference schemes were modified to include detail treatment of aerosols
- Implemented with observations from geostationary and polar orbiting satellite at scales relevant for hydrological modeling at basin scale
- Use CEOP and BSRN observations for evaluation
- Information was used to address scientific issues such as the “elevated heat pump” hypothesis, diurnal variation of convection, aerosol effects on SW over the Atlantic
- Extraction of cloud information from satellite products for 41 CEOP Phase 1 MOLTS points in progress
- Poster provides information on available products and research done with data

Monthly Mean Short-Wave Surface Downward Flux From MODIS (W/m^2)
TERRA V004 July, 2001



Monthly Mean Sfc SW Downward Flux from Meteosat-5
July 2004

