

Sensitivity of the NCEP/NCAR Reanalysis to assimilation assumptions:
The "TOVS-land problem".

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The NCEP/NCAR Reanalysis/CDAS is a widely used source of atmospheric analyses. This assimilation system was run multiple times with different data-acceptance procedures and estimates of the observational error. The effects of the different assimilation assumptions will be shown and reasons for the sensitivity will be examined. This sensitivity study will examine the "TOVS-land problem" which resulted in a revised NCEP/NCAR Reanalysis for the 3/1997-9/2001.