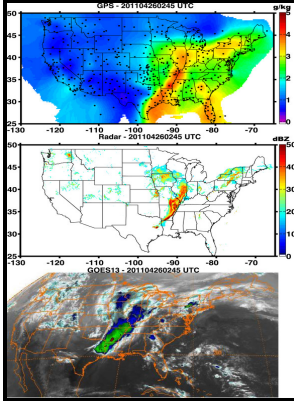


Precipitable water over the United States

Dept. of Commerce, National Oceanic and Atmospheric Administration, [Office of Oceanic and Atmospheric Services], National Weather Service - Precipitable Water (over land)



Description: -

- Precipitation (Meteorology) -- United States Precipitable water over the United States

- NOAA technical report NWS -- 20 Precipitable water over the United States

Notes: Tables

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Tags: #World #Wide #Total #Daily #Precipitable #Water #Map

NOAA's National Weather Service

Specific changes in thermodynamic profiles in a future climate A typical method to examine the thermodynamic conditions of the atmosphere is to use atmospheric sounding data collected from rawinsondes. In the CTRL simulation, moderate values of MLCAPE and CIN are located east of the Rocky Mountains in the active convective region of the US Fig. The precipitation intensity observations in MJ Fig.

Estimation of precipitable water over the United States for application to the division of solar radiation into its direct and diffuse components

Given the practical significance of these extreme precipitation events, it is not surprising that the scientific, engineering, and planning communities across the United States have devoted considerable attention assessing whether these events are changing in frequency and intensity ;. Despite the impressive number of studies now available, significant regions are insufficiently covered by direct surface radiation observations, such as vast areas of Africa and South America, as well as ocean areas in general, which prevents a true global assessment.

Correlation of atmospheric occurrences over the United States with some physical and chemical parameters. Part III: Frequencies of precipitation

The red line on the chart to the right is the maximum concentration of water vapor expected for a given temperature.

Correlation of atmospheric occurrences over the United States with some physical and chemical parameters. Part I: Frequencies of thunderstorms

However, since the lower level moisture flow is not as persistent as in the Indian monsoon, the upper level steering pattern and disturbances around the ridge are critical for influencing where thunderstorms develop on any given day.

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