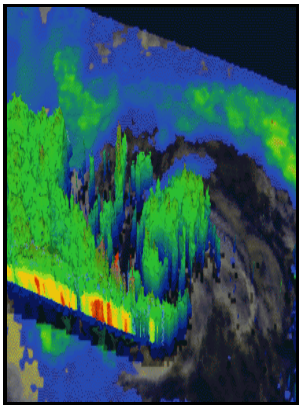
On requirements for a satellite mission to measure tropical rainfall

Goddard Space Flight Center - The Tropical Rainfall Measuring Mission (TRMM) Sensor Package in: Journal of Atmospheric and Oceanic Technology Volume 15 Issue 3 (1998)



Description: -
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Noise -- Measurement
Vehicles -- Noise
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Tropical meteorology
Remote sensors
RainOn requirements for a satellite mission to measure tropical rainfall
-On requirements for a satellite mission to measure tropical rainfall
Notes: Bibliography: p.44-49.
This edition was published in 1987

Tags: #A #Comparison #of #Gamma #and #Lognormal #Distributions #for #Characterizing #Satellite #Rain #Rates #from #the #Tropical #Rainfall #Measuring #Mission #in: #Journal #of #Applied #Meteorology #and #Climatology #Volume #43 #Issue #11 #(2004)

Assessment of the two satellite

The data also shows an enveloping peak that occurs several hours into each operational day. Because components in the converter package are so highly integrated, lead attachment requires great care since there exists a distinct possibility of damaging adjacent connections and components. Making the Transition from TRMM to GPM Data Sets TRMM ran out of fuel in mid-2014 and began a slow descent.

Tropical cyclone rainfall area controlled by relative sea surface temperature

Instrument is in the biaxial, normal- earth scanning configuration.

Measuring Precipitation: On the Ground and from Space

The optics consist of a double-sided paddle wheel scan mirror; a 8. Far to the south, we can also see the high reflectivity of the Antarctic snow and ice emerge from the mixture of the cloudy and clear areas over the Southern Atlantic and Pacific. The sensitivity of model parameters to bin width and dynamic range was investigated.

Assessment of the two satellite

Unfortunately, this temperature is not part of the real-time housekeeping data that we can monitor at GSFC or LaRC: we have to get it off the telemetry data tapes. The importance of quantitative knowledge of tropical rainfall, its associated latent heating and variability is summarized in the context of climate change. The mirror image, which is the rain echo received through the double reflection at the surface, may prove useful for certain rainfall rate retrieval schemes.

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