

Interpretation of thermal infrared data - the heat capacity mapping mission

Harwood - USING HEAT CAPACITY MAPPING MISSION (HCMM) DATA TO ASSESS LAKE WATER QUALITY 1, Journal of the American Water Resources Association



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Heat Capacity Mapping Mission

A measure of the spatial fidelity of the device.

GLOSSARY—Remote Sensing Tutorial 1 documentation

Satellite Sensors The same scene can appear very different when viewed by different satellite sensors. Also referred to as complex dielectric constant. In this study, we use Advanced Very High Resolution Radiometer AVHRR data from National Oceanic and Atmospheric Administration NOAA polar-orbiting satellites, combined with minimum air temperature data from climate stations, to produce maps of several frost variables at 1-km spatial resolution.

Heat Capacity Mapping Mission (HCMM)

Geological Survey at Sioux Falls, South Dakota, that archives, processes, and distributes images.

Aircraft and satellite remote sensing of desert soils and landscapes

Coincidence of areas of warmer emitted energy and darker reflected energy on colorgraphics displays clearly indicate lake areas of high algal concentrations. The most basic form of radiant temperature is the thermal radiometer.

Case study : estimating antecedent precipitation index from Heat Capacity Mapping Mission day thermal infrared data

Smaller numbers indicate larger openings, which admit more light to the film. Each of the three images of the scene, measured in different wavelengths, is assigned a different primary color: red, green, or blue. The scenes are designated as Day-Vis, Day-IR or Night-IR.

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