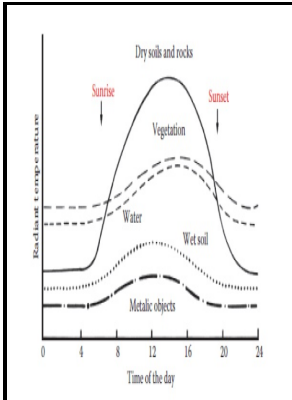


Interpretation of thermal infrared data - the heat capacity mapping mission

Harwood - Mapping Frost Occurrence Using Satellite Data in: *Journal of Applied Meteorology and Climatology* Volume 42 Issue 2 (2003)



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Mapping Frost Occurrence Using Satellite Data in: *Journal of Applied Meteorology and Climatology* Volume 42 Issue 2 (2003)

USING HEAT CAPACITY MAPPING MISSION HCMM DATA TO ASSESS LAKE WATER QUALITY 1 USING HEAT CAPACITY MAPPING MISSION HCMM DATA TO ASSESS LAKE WATER QUALITY 1 Miller, Woodruff; Rango, Albert 1984-08-01 00:00:00
ABSTRACT A water quality investigation on Utah Lake was conducted during the same time period that the Heat Capacity Mapping Mission HCMM satellite was collecting thermal infrared and reflectivity data. Because of the scope of the present study, which is the SUHI characteristics of Shanghai, it focuses on the 16 administrative districts of Shanghai, that is, excluding the Chongming Island and the Yangtze River estuary waters between the island and the city. The Finger Lakes of New York are evident.

Interpretation of Thermal

Some of the errors are 1. In this study, we investigate whether they can also be used as predictors of the frost variables listed above. The FFP standard deviation, derived from, is quite constant over the whole Otago region at a value of about 28.

Relationship of the urban fabric of Lawrence, Kansas with satellite

Higher values indicate higher sensitivity. For each station and for each year, the first and last frost day i. The regression coefficient has decreased largely from 1.

Relationship of the urban fabric of Lawrence, Kansas with satellite

Shuttle imaging radar SIR -L-band radar system deployed on the Space Shuttle. To demonstrate this point, each geographical variable was regressed against the channel-5 data using linear regression. The AIC is applied to select the generalized linear models.

Thermal Remote Sensing

The principles of interpretation can also be applied to thermal data gathered routinely by meteorological satellites; examples of three thermal band images of clouds, and the corresponding visible image, taken in June 2000 by the GOES-11 geostationary satellite illustrate the features evident at different wavelengths. Isochrone maps of the extreme first and last air frost date have been produced for all of New Zealand by , based on minimum air temperature data from standard meteorological screens at climate stations throughout the country.

USGS EROS Archive

The left eye sees only the left image, and the right eye sees only the right image. Provided along with both the day-time and night-time surface temperature bands and their quality indicator layers are MODIS bands 31 and 32 and six observation layers. Payloads deployed from other spacecraft are denoted in brackets.

The application of Heat Capacity Mapping Mission (HCMM) thermal data to snow hydrology

This temperature being in the range of 300 deg kelvin it will emit its own radiation in the longer wavelengths called Thermal radiation. The lava flow emanating from Pisgah Crater appears now to consist of two units, poorly separated in the PCA product: basalt with a pahoehoe-like ropy texture and basalt with a cindery texture.

GLOSSARY — Remote Sensing Tutorial 1 documentation

The thermal capacity per mass unit is known as the specific heat c . Meanwhile, developing policies and strategies put into effect at different phases lead to different development stages. Thus apparent thermal inertia should not be used in regions having variability in surface moisture.

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