

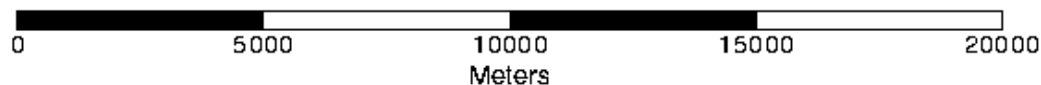
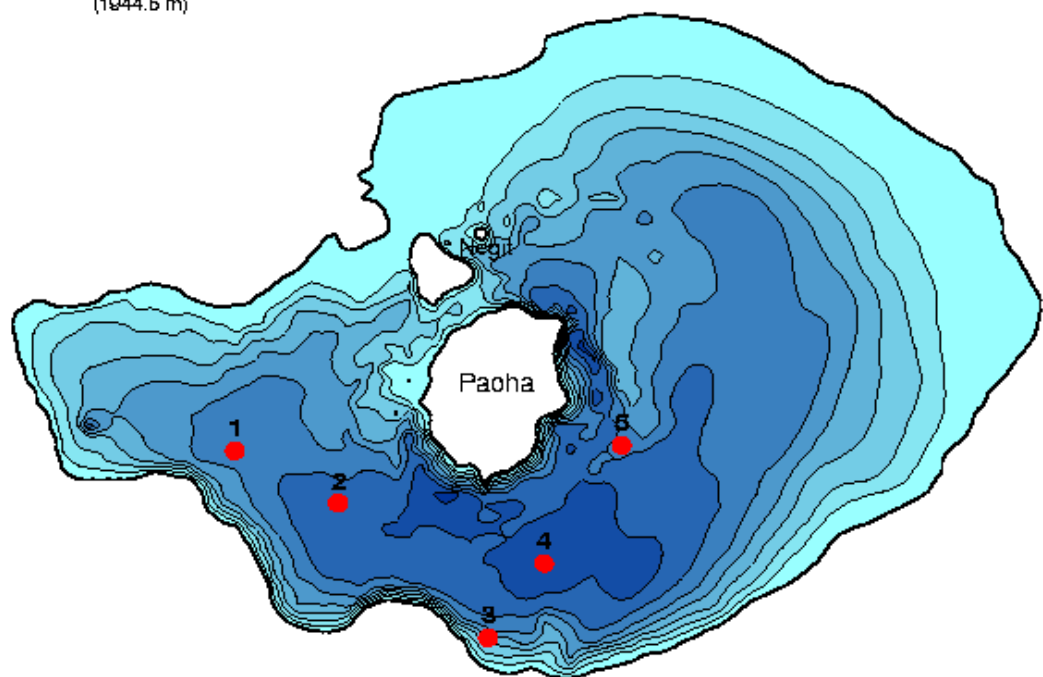


Validation of the MODIS LST Product

Mono Lake

6380 ft. asl

(1944.5 m)





Validation of the MODIS LST Product



Institute for
Computational Earth System Science
University of California, Santa Barbara



Validation of the MODIS LST Product





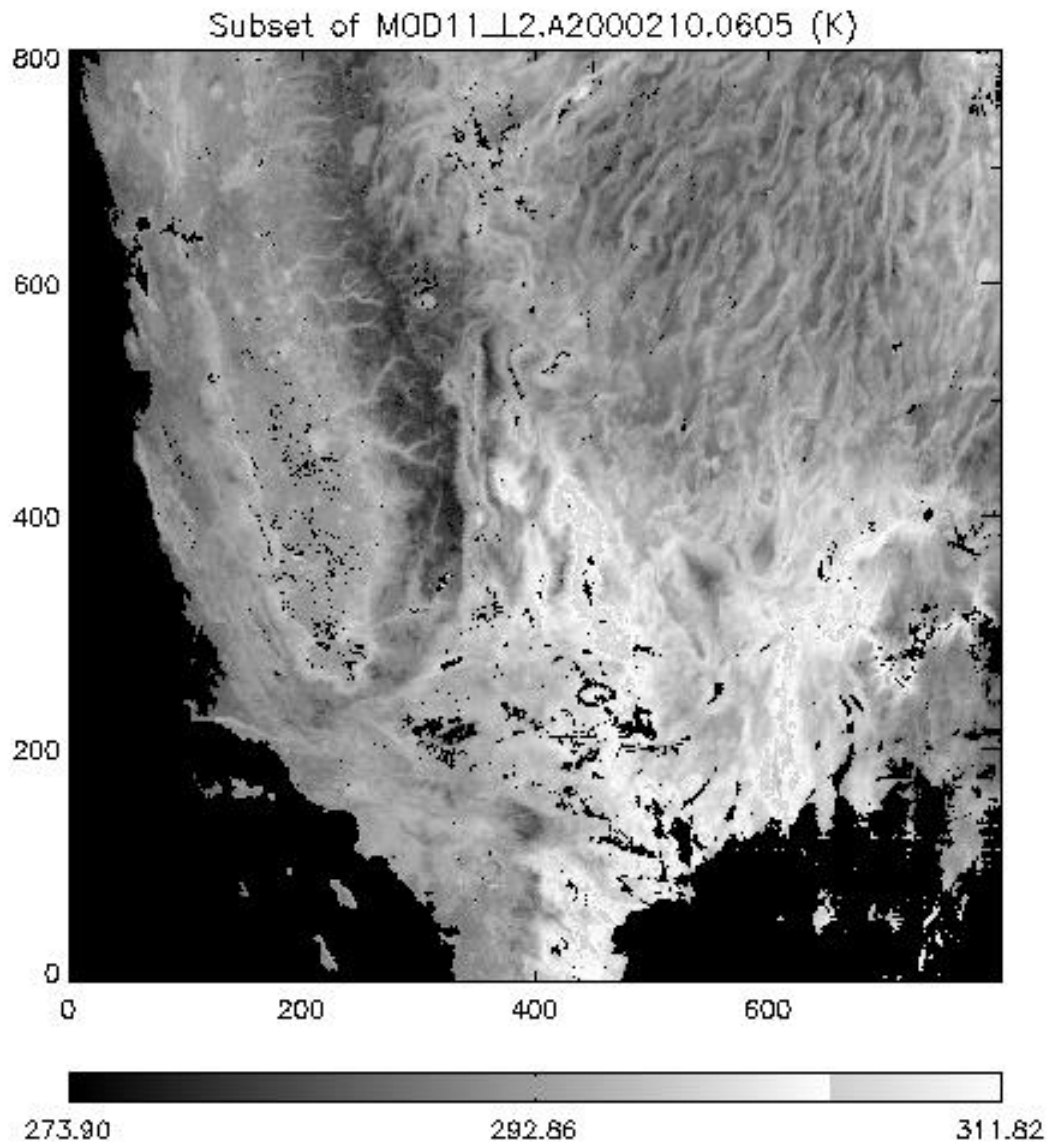
Validation of the MODIS LST Product





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July 28, 2000





Validation of the MODIS LST Product

Preliminary conclusions:

1. Quality of the 1km LST product depends on L1B versions.
2. The accuracy of 1km LST from v2.5.4 L1B data is better than 0.6K over Mono Lake, CA, in two daytime and one nighttime cases, over a grassland in Bridgeport and a rice field in Chico, CA, in two nighttime cases, respectively.
3. It is difficult to validate the daytime LST product over the grassland and rice field because of the high spatial variation in the in-situ LST measurement data.
4. Waiting for MAS data acquired in early October flights.