

Title:

Satellite (AVHRR GIMMS) remote sensing based monthly ET for the Pan-Arctic basin and Alaska.

Description:

This data set provides monthly ET (mm/month) for the pan-Arctic basin and Alaska using the NDVI-based Penman-Monteith method. A detailed description of methodology and the dataset is provided by Zhang et al.(2009). This work was funded by NASA Earth Science and NSF Office of Polar Programs.

Projection:

The region is defined in terms of nodes of the National Snow and Ice Data Center (NSIDC) north polar Equal-Area Scalable Earth (EASE) grid.

Spatial Resolution: 12.5km*12.5km

Number of Nodes: 140744

Temporal Extent: 1983 to 2005

References:

Zhang, K., J.S. Kimball, Q. Mu, L.A. Jones, S.J. Goetz, and S.W. Running, 2009. Satellite based analysis of northern ET trends and associated changes in the regional water balance from 1983 to 2005. *Journal of Hydrology*, **379**, 92-110.

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