

NASA SURFACE TEMPERATURE PRODUCTS

Product	Instrument	Source/Satellite	Spatial Resolution	Temporal Resolution	Location (Tools)	Files	Images	Temporal Coverage
Land Surface Temperature (Air and Skin Temperature), Temperature Profile, Sea Surface Temperature	AIRS	Aqua	Global: 1° Grid bins	Daily, 8-Day, Monthly	GES DISC DAAC	HDF-EOS	Giovanni	4 May, 2002
Surface Skin Temperature, Surface Temperature Scale	MERRA 2D	GMAO	Global: 0.5° X 0.67°	Daily, Monthly	GES DISC: MDISC	Data Subsetter, Mirador, OPeNDAP, Direct FTP	Giovanni	1979 to present
Brightness Temperature	AMSR-E	Aqua	Global: 5.4km to 56km	50 minutes swath spans	NSIDC,	HDF-EOS	N/A	19 June 2002 to present
Average Snowpack Temperature	SNODAS-Diagnostic Variables	NOHRSC Modeling and Data Assimilation System	Contiguous U.S.: 1 km ²	Daily	NOAA National Weather Service's NOHRSC at NSIDC, Polaris	ASCII Text Files, Binary, GeTIFF, NetCDF 3	NWS-NOHRSC	1 October 2003 to present
Average Snowpack Temperature	NOHRSC Snow Model (NSM)	NOHRSC's Airborne Snow Survey Program, NWS and FAA Field Offices, NWS Cooperative Observers, NRCS SNOTEL and Snow Course Networks, California Department of Water Resources snow pillow networks, GOES and AVHRR satellites	U.S.: 1 km ²	Daily	NOHRSC, NSIDC, Polaris	Binary, GeTIFF, NetCDF 3	NOHRSC National/Regional Snow Analyses	17 September 2003 to present