

## SNOW PRODUCTS TABLE

Product	Instrument	Source/Satellite	Spatial Resolution	Temporal Resolution	Location (Tools)	Files	Images	Temporal Coverage
Snow Cover	MODIS	Terra and Aqua	500m Swath and Global Sinusoidal Grid, 0.05° CMG	Swath: 5-min, Sinusoidal Grid: Daily, 8-Day, CMG: Daily, 8-Day, Monthly	NSIDC DAAC, Data Pool, Subscription, Reverb, WIST, MIST, Data Feed, LANCE MODIS	HDF-EPS, GeoTIFF	NSIDC Data on Virtual Globes: Google Earth, Monthly	Terra: 24 February 2000, Aqua: 4 July 2002 to present
Snow Covered Area (SCA)	SSM/I and MODIS	DMSP and TERRA	Global: 25 km <sup>2</sup>	8-Day	NSIDC, Polaris	NetCDF	PNG	5 March 2000 to present
Snow Extent	NISE	DMSP	Global: 25 km <sup>2</sup>	Daily	NSIDC	HDF-EOS	N/A	4 May 1995 to present
Snowfall Rate, Snowmelt	CLM, MOSAIC, NOAA, VIC	GLDAS	0.25° x 0.25°, 1° x 1°	3-Hour, Daily, Monthly	GES DISC	Mirador, GDS	Giovanni (Monthly)	1°: 1 January 1979 to present, 0.25°: 24 February 2000 to present
Snow Depth	AMSR-E	Aqua	Global: 25 km <sup>2</sup>	Monthly	NSIDC DAAC, Data Pool, Reverb, WIST, Subscription, LANCE AMSR-E, Date Feed	HDF-EOS	N/A	19 June 2002 to present
Fractional SCA, Snow Depth, Snow Mass, Snowmelt, Snowfall Rate	MERRA 2D	GMAO	Global: 0.5° X 0.67°	Daily, Monthly	GES DISC: MDISC	Data Subsetter, Mirador, OPeNDAP, Direct FTP	Giovanni	1979 to present
Snow Depth	CMC	CMC Meteorological Stations, Snow Measuring Rod Data, Aviation Reports	Northern Hemisphere: 24 km <sup>2</sup>	Daily, Monthly	NSIDC	ASCII Text Files	AVI animation, GIF image	12 March 1998 to 31 December 2010
Snow Depth, Snow Precipitation, Snowmelt	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 <sup>2</sup>	Daily	NOHRSC, NSIDC, Polaris	Binary, GeoTIFF, NetCDF 3	NOHRSC National/Regional Snow Analyses	17 September 2003 to present
Snow Depth, Snowmelt Runoff, Solid Precipitation	SNODAS-Diagnostic Variables	NOHRSC Modeling and Data Assimilation System	Contiguous U.S.: 1 km <sup>2</sup> to 100 km <sup>2</sup>	Daily	NOAA National Weather Service's NOHRSC at NSIDC, Polaris	ASCII Text Files, Binary, GetTIFF, NetCDF 3	NWS-NOHRSC	1 October 2003 to present
Snow Cover	IMS	NESDIS-NOAA	4 km <sup>2</sup> and 24 km <sup>2</sup>	Daily	NSIDC	ASCII Data Files, GeoTIFF (4km only), Binary, Ancillary Data	GeoTIFF, Browse Images: GIF format	24-km: 4 February 1997 to present; 4-km: 23 February 2004 to present

**SNOW WATER EQUIVALENT PRODUCTS TABLE**

<b>Product</b>	<b>Instrument</b>	<b>Source/Satellite</b>	<b>Spatial Resolution</b>	<b>Temporal Resolution</b>	<b>Location (Tools)</b>	<b>Files</b>	<b>Images</b>	<b>Temporal Coverage</b>
SWE	AMSR-E	Aqua	Global: 25 km <sup>2</sup>	Daily, 5-Day, Monthly	NSIDC DAAC, Data Pool, Reverb, WIST, Subscription, LANCE AMSR-E, Date Feed	HDF-EOS	N/A	19 June 2002 to present
SWE	CLM, MOSAIC, NOAH, VIC	GLDAS	0.25°, 1°	3-Hour, Monthly	GES DISC	Mirador, GDS	Giovanni (Monthly)	1° : 1 January 1979 to present, 0.25° : 24 February 2000 to present
SWE	SSM/I and MODIS	DMSF and TERRA	Global: 25 km <sup>2</sup>	8-Days	NSIDC	NetCDF	PNG	5 March 2000 to present
SWE	CMC	CMC Meteorological Stations, Snow Measuring Rod Data, Aviation Reports	Northern Hemisphere: 24 km <sup>2</sup>	Daily, Monthly	NSIDC	ASCII Text Files	AVI animation, GIF image	12 March 1998 to 31 December 2010
SWE	SNODAS-Diagnostic Variables	NOHRSC Modeling and Data Assimilation System	Contiguous U.S.: 1 km <sup>2</sup>	Daily	NOAA National Weather Service's NOHRSC at NSIDC, Polaris	ASCII Text Files, Binary, GeTIFF, NetCDF 3	NWS-NOHRSC	1 October 2003 to present
SWE	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 <sup>2</sup>	Daily	NOHRSC, NSIDC, Polaris	Binary, GeoTIFF, NetCDF 3	NOHRSC National/Regional Snow Analyses	17 September 2003 to present