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Data Set ID:
NSIDC-0065

AVHRR Polar Pathfinder Twice-Daily 1.25 km EASE-Grid Composites, Version 1

Please note that the machine on which these AVHRR data are processed has reached its life expectancy and will no longer be available as of 02 June 2008 until further notice.

The AVHRR Polar Pathfinder Twice-Daily 1.25 km EASE-Grid Composites are a collection of products for both poles, consisting of twice-daily gridded and calibrated satellite channel data and derived parameters. Data include five Advanced Very High Resolution Radiometer (AVHRR) channels, clear sky surface broadband albedo and skin temperature, solar zenith angle, satellite elevation angle, sun-satellite relative azimuth angle, surface type mask, cloud mask, orbit mask, time of acquisition, and ice motion vectors. Data are composited onto two grids per day based on common local solar times and scan angle. Reduced-resolution data (25 km) derived from the 1.25 km data are available to assist users in selecting these data. AVHRR local area coverage (LAC) and High Resolution Picture Transmission (HRPT) level 1b data are used to generate the Polar Pathfinder products at grid spacings of 1.25 km. AVHRR Polar Pathfinder data extend poleward from 48.4 degrees north and 53.2 degrees south latitudes, from August 1993 through December 1998 for the Northern Hemisphere, and from April 1992 through January 1996 for the Southern Hemisphere. Data are in 1-byte and 2-byte integer grid format. Ice motion vectors are in ASCII text format. Data are available on 8-mm tape or by ftp. Distribution formats available: North: 104 MB (2-byte), 52 MB (1-byte), 8 MB (ice motion) South: 82 MB (2-byte), 41 MB (1-byte), 6.3 MB (ice motion).

Geographic Coverage



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Parameter(s):	<ul style="list-style-type: none">• Atmospheric Radiation > Albedo• Snow/Ice > Albedo• Surface Radiative Properties > Albedo• Infrared Wavelengths > Brightness Temperature• Clouds > Cloud Amount/Frequency• Infrared Wavelengths > Infrared Radiance• Land Temperature > Land Surface Temperature• Land Temperature > Skin Temperature• Infrared Wavelengths > Thermal Infrared• Surface Radiative Properties > Thermal Properties
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Spatial Coverage:	<ul style="list-style-type: none"> • N: -54, S: -90, E: 180, W: -180 • N: 90, S: 48, E: 180, W: -180
Spatial Resolution:	Not Specified
Temporal Coverage:	<ul style="list-style-type: none"> • 1 April 1992 to 31 December 1998
Temporal Resolution:	12 hour
Data Format(s):	<ul style="list-style-type: none"> • ASCII Text
Platform(s)	NOAA-11, NOAA-12, NOAA-14, NOAA-9
Sensor(s):	AVHRR, RADIOMETERS
Version:	V1
Data Contributor(s):	Jeffrey Key, Jim Maslanik, Ted Scambos, William Emery, Chuck Fowler, Terry Haran
Metadata XML:	View Metadata Record

Data Citation

As a condition of using these data, you must cite the use of this data set using the following citation. For more information, see our [Use and Copyright](#) Web page.

W. Emery, C. Fowler, T. Haran, J. Key, J. Maslanik, T. Scambos 2000. *AVHRR Polar Pathfinder Twice-Daily 1.25 km EASE-Grid Composites, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NSIDC: National Snow and Ice Data Center. [Date Accessed].

[User Guide](#)

No technical references available for this data set.

No FAQs or How Tos available for this data set.

Access complete [Knowledge Base](#)

Questions? Please contact:

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