EARTH SYSTEM SCIENCE
Data and Services

CRYOSPHERE *Data Set Reference Sheet*

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Physical Properties	Data Center	Selected Data Sets and Data Collections
		Complete data set listings available through each individual data center. For more information about NASA's Earth Observing System Data and Information System (EOSDIS) data centers, see: http://nasadaacs.eos.nasa.gov
Land Ice Ice sheet topography, ice sheet volume change, glacier change	**ASDC** http://eosweb.larc.nasa.gov	• Multi-angle Imaging SpectroRadiometer (MISR) Level 1B2 Ellipsoid Data, Level 1B2 Terrain Data, Level 2 Surface Parameters, and Level 3 Component Global Land (daily, monthly, quarterly, and yearly) Products • International Satellite Cloud Climatology Project (ISCCP) D1, D2, and ICESNOW data products
	ASF DAAC http://www.asf.alaska.edu	• RAMP AMM-1 SAR Image Mosaic of Antarctica 125m resolution mosaic via ftp and 25m resolution mosaic tiles on DVD (to NASA-approved investigators) • RADARSAT-1, ERS-1, ERS-2, JERS-1 and PALSAR SAR images • International Polar Year Datasets (Level 0 and Level 1 SAR)
	LP DAAC http://lpdaac.usgs.gov	• ASTER Digital Elevation Model • ASTER L1B Registered Radiance at the Sensor
	NSIDC DAAC http://nsidc.org/daac	• Greenland Ice Sheet Melt Characteristics Derived from Passive Microwave Data MODIS Mosaic of Antarctica • GLAS/ICESat 500 m Laser Altimetry Digital Elevation Model of Antarctica • GLAS/ICESat 1 km Laser Altimetry Digital Elevation Model of Greenland • Greenland 5 km DEM, Ice Thickness, and Bedrock Elevation Grids • Greenland Ice Sheet Melt Characteristics Derived from Passive Microwave Data • Antarctic 5-km DEM from ERS-1 Altimetry • Digital SAR Mosaic and Elevation Map of the Greenland Ice Sheet • GLAS/ICESat L1B Global Elevation Data • GLAS/ICESat L2 Global Antarctic and Greenland Ice Sheet Altimetry Data • Radarsat Antarctic Mapping Project Digital Elevation Model Version 2 • RAMP AMM-1 SAR Image Mosaic of Antarctica • Antarctic Ice Velocity Data • Program for Arctic Regional Climate Assessment (PARCA) Data • Images of Antarctic Ice Shelves [from AVHRR and MODIS] • AMSR-E/Aqua Daily, 5-Day, & Monthly L3 Global Snow Water Equivalent EASE-Grids Products • AMSR-E/Aqua Daily L3 25 km Tb, Sea Ice Temperature, & Sea Ice Conc. Polar Grids • AMSR-E/Aqua Daily L3 12.5 km Tb, Sea Ice Conc., & Snow Depth Polar Grids • Global Monthly EASE-Grid Snow Water Equivalent Climatology • MODIS/Aqua L2 & L3 Daily, 8-day, Monthly Snow Cover Products • MODIS/Terra L2 & L3 Daily, 8-day, Monthly Snow Cover Products
	PO.DAAC http://podaac.jpl.nasa.gov	• BYU Daily Browse Images of QuikSCAT Sigma-0 Measurements • BYU High Resolution Images of NSCAT Sigma-0 Measurements
Gravity Gravity Field Models, Measurements	**CDDIS** http://cddis.gsfc.nasa.gov	• Ground Network/Satellite Measurements: Daily, hourly, and sub-hourly code and phase observations from GNSS ground network; Daily and hourly files of round trip time of flight from satellite laser ranging (SLR) ground network; Time-tagged range-rate measurements from DORIS ground network • Station positions and velocities from GNSS, SLR, VLBI and DORIS ground networks
	PO.DAAC http://po.daac,jpl.nasa.gov	• GRACE Level 2 Monthly Gravity Field Estimates • Surface Mass Density Changes from GRACE (monthly mass grids of water equivalent thickness)

Sea Ice Extent, concentration, motion, temperature	**ASDC** http://eosweb.larc.nasa.gov	• ISCCP D1, D2, and ICESNOW Data Products • MISR Level 1B2 Ellipsoid Data • First ISCCP Regional Experiment (FIRE) data sets
	ASF DAAC http://www.asf.alaska.edu	• RADARSAT-1, ERS-1, ERS-2, JERS-1 and PALSAR SAR images • ERS-1 Ice Motion Vectors • Radarsat-1 (1996-2008) and ERS-1 (1991-93) Geophysical Processing System Sea Ice Products
	NSIDC DAAC http://nsidc.org/daac	• AMSR-E/Aqua L3 Sea Ice Motion • Bootstrap Sea Ice Concentrations from Nimbus-7 SMMR and DMSP SSM/I • Sea Ice Concentrations from Nimbus-7 SMMR and DMSP SSM/I Passive Microwave Data • DMSP SSM/I Daily and Monthly Polar Gridded Sea Ice Concentrations • Near Real-Time SSM/I EASE-Grid Daily Global Ice Concentration and Snow Extent • Near Real-Time DMSP SSM/I Daily Polar Gridded Sea Ice Concentrations • Sea Ice Trends and Climatologies from SMMR and SSM/I • MODIS/Aqua L2 & L3 Daily, 8-day, Monthly Sea Ice Products • MODIS/Terra L2 & L3 Daily, 8-day, Monthly Sea Ice Products • NASA Scatterometer Climate Pathfinder (SCP) Arctic and Antarctic Ice Extent from QuikSCAT, 1999-2004 • AVHRR 1-km Level 1b Polar Data Set and AVHRR Polar Pathfinder Twice-Daily 1.25, 5, and 25 km EASE-Grid Composites • GLAS/ICESat L2 Sea Ice Altimetry Data • AMSR-E/Aqua Daily L3 6.25, 12.5, and 25 km Sea Ice Products [Brightness Temperature (all resolutions), Sea Ice Concentration (12.5 and 25 km), Snow Depth (12.5 km)] • Polar Pathfinder Daily 25 km EASE-Grid Sea Ice Motion Vectors • MODIS Sea Ice Extent Daily 1 and 4 km EASE-Grid data • When the Weather is Uggianaqtug: Inuit Observations of Environmental Change
	PO.DAAC http://podaac,jpl.nasa.gov	• BYU Daily Browse Images of NSCAT Sigma-0 Measurements • BYU Daily Browse Images of QuikSCAT Sigma-0 Measurements • BYU Daily Browse Images of SeaWinds Sigma-0 Measurements • BYU High Resolution Images of Seasat Sigma-0 Measurements • BYU High Resolution Images of ERS Sigma-0 Measurements • BYU High Resolution Images of NSCAT Sigma-0 Measurements
Snow Cover Extent, water, equivalent, depth	**ASDC** http://eosweb.larc.nasa.gov	• MISR Level 1B2 Ellipsoid Data and Level 1B2 Terrain Data • ISCCP D1, D2, and ICESNOW data products
	NSIDC DAAC http://nsidc.org/daac	• Global EASE-Grid 8-day Blended SSM/I and MODIS Snow Cover Data • AMSR-E/Aqua Daily, 5-day, and Monthly L3 Global Snow Water Equivalent EASE-Grids • Global EASE-Grid 8-day Blended SSM/I and MODIS Snow Cover • CLPX-Airborne: Airborne GPS Bistatic Radar • CLPX-Ground: Snow Measurements Data • CLPX-Satellite: MODIS Radiances, Reflectances, Snow Cover and Related Grids • Historical Soviet Daily Snow Depth Version 2 (HSDSD) • Near Real-Time SSM/I EASE-Grid Daily Global Ice Concentration and Snow Extent • Global Monthly EASE-Grid Snow Water Equivalent (SWE) Climatology • Nimbus-7 SMMR Derived Monthly Global Snow Cover and Snow Depth • Northern Hemisphere EASE-Grid Weekly Snow Cover and Sea Ice Extent Version 3 • Program for Arctic Regional Climate Assessment (PARCA) Data Sets • When the Weather is Uggianaqtuq: Inuit Observations of Environmental Change • MODIS/Aqua L2 & L3 Daily, 8-day, Monthly Snow Cover Data • MODIS/Terra L2 & L3 Daily, 8-day, Monthly Snow Cover Data

ASDC	Atmospheric Science Data Center	**LP DAAC**	Land Processes DAAC
ASF DAAC	Alaska Satellite Facility DAAC	**NSIDC DAAC**	National Snow and Ice Data Center DAAC
CDDIS	Crustal Dynamics Data Information System	**PO.DAAC**	Physical Oceanography DAAC