

Inventory of Over-land Meteorological Data and Information

CLASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
Air Temperature	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets	Monthly and daily temperature data summaries including monthly mean, monthly mean max. and min.	United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Daily digital climate data for several thousand stations that date back as far as 1948 (turn of century for some). Includes high, low and mean temperatures.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Environment Canada	National Climate Data Archive	Daily max/min. temperatures.	Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
Wind Speed	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Surface hourly observations for over 100 sites include wind speed.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Environment Canada	National Climate Data Archive	Hourly wind run.	Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Datasets		United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
Wind Direction	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Surface hourly observations for over 100 sites include wind direction.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Datasets		United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
Solar Radiation	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets		United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Solar radiation data for select sites are available on daily, monthly, or annual basis.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Environment Canada	National Climate Data Archive	Daily observations.	Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
Sunshine	Environment Canada	National Climate Data Archive	Daily observations.	Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Datasets		United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
Precipitation	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets	Monthly and daily precipitation data summaries including monthly mean, monthly mean max. and min.	United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Daily digital climate data for several thousand stations that date back as far as 1948 (turn of century for some) includes precipitation. Hourly precipitation for selected Midwestern sites.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Environment Canada	National Climate Data Archive	Daily precipitation amounts. Nipher gauge precipitation observations.	Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>

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Evaporation	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Daily digital climate data for several thousand stations that date back as far as 1948 (turn of century for some). Limited data is available on pan evaporation.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Environment Canada	National Climate Data Archive	Daily pan evaporation observations.	Canada	1829 to present	Daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets	Monthly and Daily pan evaporation data summaries including monthly mean, monthly mean max. and min.	United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
Dewpoint	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Surface hourly observations for over 100 sites include dew point.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Datasets		United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
	Environment Canada	National Climate Data Archive		Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
Snowfall	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets	Monthly max./min. snowfall	United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Daily digital climate data for several thousand stations that date back as far as 1948 (turn of century for some) includes snowfall.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Environment Canada	National Climate Data Archive		Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
Snowdepth	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets	Maximum snow depth during the month (inches).	United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climateinventories.html</a>
	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Daily digital climate data for several thousand stations that date back as far as 1948 (turn of century for some) includes snowdepth.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	Ontario Power Generation	Snow Surveys	Snow surveys are undertaken on the 1st and 15th of each month, March 1st through June 1st inclusive. Reports are posted following receipt of data for all courses. Snow depth and water content measurements are taken and a percent of normal water content is presented for	Ontario		Twice a month	<a href="http://www.opg.com/envComm/wateruse/snowsury.asp">http://www.opg.com/envComm/wateruse/snowsury.asp</a>
	Environment Canada	National Climate Data Archive		Canada	1829 to present	Updated daily	<a href="http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm">http://www.msc-smc.ec.gc.ca/climate/data_archives/climate/index_e.cfm</a>
Snow Water Equiv.	National Weather Service - NOAA	NWS (National Weather Service) Remote Sensing Data Sets		United States and Canada			<a href="http://www.nohrsc.nws.gov/location.html">http://www.nohrsc.nws.gov/location.html</a>
	Ontario Power Generation	Snow Surveys	Snow surveys are undertaken on the 1st and 15th of each month, March 1st through June 1st inclusive. Reports are posted following receipt of data for all courses. Snow depth and water content measurements are taken and a percent of normal water content is presented for	Ontario		Twice a month	<a href="http://www.opg.com/envComm/wateruse/snowsury.asp">http://www.opg.com/envComm/wateruse/snowsury.asp</a>
	Ontario Ministry of Natural Resources						

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Soil Moisture	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Modeled soil moisture data for Midwestern climate divisions back to 1949.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	USDA-NRCS	Soil Climate Analysis Network	Provides real-time soil/climate data in agricultural areas of the US.	United States (except Michigan and Indiana)			<a href="http://www.wcc.nrcs.usda.gov">http://www.wcc.nrcs.usda.gov</a>
Soil Temperature	National Climatic Data Center - NOAA	NCDC (National Climatic Data Center) Climate Data Sets	Monthly max./min. soil temp (deg F)	United States	1700s to present		<a href="http://lwf.ncdc.noaa.gov/oa/climate/climateinventories.html">http://lwf.ncdc.noaa.gov/oa/climate/climateinventories.html</a>
	Midwestern Regional Climate Center	MRCC (Midwestern Regional Climate Center) Climate Data Sets	Daily digital climate data for several thousand stations that date back as far as 1948 (turn of century for some) includes soil temperatures.	United States (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)	Late 1800s to present	Daily	<a href="http://mcc.sws.uiuc.edu">http://mcc.sws.uiuc.edu</a>
	USDA-NRCS	Soil Climate Analysis Network	Provides real-time soil/climate data in agricultural areas of the US.	United States (except Michigan and Indiana)			<a href="http://www.wcc.nrcs.usda.gov">http://www.wcc.nrcs.usda.gov</a>
Climate Summaries	Midwestern Regional Climate Center	Great Lakes Climatic Forecasts	Graphical displays of forecasted climatic parameters for each Great Lake basin including evaporation, ice area, precipitation, reflected radiation, and wind speed.	Great Lakes basin	2003 to 2004	November, 2003	<a href="http://mcc.sws.uiuc.edu/html/MWclimate_data_lake.htm#">http://mcc.sws.uiuc.edu/html/MWclimate_data_lake.htm#</a>
	GLERL - NOAA	Great Lakes Climatic Forecasts	Graphical displays of forecasted climatic parameters for each Great Lake basin including evaporation, ice area, precipitation, reflected radiation, and wind speed.	Great Lakes basin	2003 to 2004	November, 2003	<a href="http://mcc.sws.uiuc.edu/html/MWclimate_data_lake.htm#">http://mcc.sws.uiuc.edu/html/MWclimate_data_lake.htm#</a>
Climate Change	Water Survey of Canada	Reference Hydrometric Basin Network (RHBN)	It is a sub-set of the national network that has been identified for use in the detection, monitoring, and assessment of climate change. It is part of Canada's contribution to the Global Climate Observing System (GCOS).	Canada		partially real-time access	<a href="http://www.msc.ec.gc.ca/wsc">http://www.msc.ec.gc.ca/wsc</a>
	USDA-Forest Service	Climate Change Atlas for 80 Forest Tree Species of the Eastern United States	Distribution maps and tables for different climate change scenarios, life-history and disturbance attributes, ecological attributes, forest type maps and sorted list of species importance values by state/county for different climate change scenarios, and more for 80 species in the eastern half of the United States (east of the 100th meridian)	Eastern United States		2002	<a href="http://www.fs.fed.us/ne/delaware/atlas/index.html#Introduction">http://www.fs.fed.us/ne/delaware/atlas/index.html#Introduction</a>
	EPA-Office of Atmospheric Programs	U.S. Greenhouse Gas Inventory	Inventory includes chemical and physical identity of pollutants, types of activities that cause emissions, time period over which the emissions were estimated, geographic area covered, and clear descr. Of estimation methods used and data collected	United States	1990-2000		<a href="http://yosemite.epa.gov/oar/globalwarming.nsf/UniqueKeyLookup/RAMR5CZKVE/\$File/ghgbrochure.pdf">http://yosemite.epa.gov/oar/globalwarming.nsf/UniqueKeyLookup/RAMR5CZKVE/\$File/ghgbrochure.pdf</a>

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