This document contains a list of sources that have data loaded in the database, as well as a field names and units of the data loaded.

# Sources

|  |  |
| --- | --- |
| Source | Sites |
| International Arctic Research Center and Water and Environmental Research Center, Institute of Northern Engineering, University of Alaska Fairbanks  SourceID=1 | 1 |
| U.S. Fish and Wildlife Service  SourceID=2 | 899 |
| University of Alaska Fairbanks, Water and Environmental Research Center Snow Survey  SourceID=3 | 188 |
| University of Alaska Fairbanks, Water and Environmental Research Center, Umiat  SourceID:29 | 23 |
| University of Alaska Fairbanks, Water and Environmental Research Center, Bullen  SourceID:30 | 15 |
| University of Alaska Fairbanks, Water and Environmental Research Center, Coastal Plain  SourceID:31 | 27 |
| University of Alaska Fairbanks, Water and Environmental Research Center, NorthSlope  SourceID:32 | 4 (no data entered) |
| University of Alaska-Fairbanks, International Arctic Research Center  Seward Peninsula  SourceID:34 | 15 |
| National Oceanic and Atmospheric Administration, Oceanic and Atmospheric Research, Earth System Research laboratory, Global Monitoring Division  SourceID:35 | 1 |
| National Atmospheric Deposition Program/Mercury Deposition Network  SourceID=38  http://nadp.sws.uiuc.edu/nadpdata/ntnsites.asp | 2 (no data entered)  more sites that can be entered |
| U.S. GEOLOGICAL SURVEY GTN-P Active-Layer, Monitoring Site, Alaska, NPRA  SourceID=39, Gary Clow and Frank Urban data | 37 (7 sites with data)  new website is up, get new sites, http://pubs.usgs.gov/ds/812/ |
| Natural Resources Conservation Service , Soil Climate Research Stations -- metadata obtained from USDA web site (see link). Limited datasest are available  SourceID: 41,42,43  \*\*these are soil surveys. Maybe we should get the NRCS SCAN sites, http://www.wcc.nrcs.usda.gov/scan/Alaska/alaska.html | 9 sites (no data entered) |
| The Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE)  SourceID=44,104 | 20 sites (no data entered) |
| U.S. Fish and Wildlife Services, Water Resources Branch  SourceID=48 | 119 |
| U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge  SourceID=50,51  \*\* note : Weather station data was sent by Steve Kendall, USFWS. Data files were in Excel format. | 4 (no data entered) |
| Global Terrestrial Network for Permafrost  SourceID= 115,117,118,119,121,122  \*\*SourceID=121 is Vladimir’s and was loaded in SourceID=207. 206. However, these sites do not match exactly. | 73 (no data entered) |
| USGS NWIS, SourceID=139 | 54 |
| Toolik Lake Long Term Ecological Research Station and University of Michigan  SourceID: 141 | 2 |
| Toolik Lake Long Term Ecological Research Station and Marine Biological Laboratory, Ecosystems Center  SourceID: 143 | 1 |
| Toolik Field Station, Environmental Data Center  SourceID:145 | 1 |
| Circumpolar Active Layer Monitoring Network  SourceID=151 | 42 |
| Bureau of Land Management  SourceID:157 | 9 |
| Bureau of Land Management and University of Alaska Fairbanks  SourceID:164 | 11 |
| University of Alaska-Fairbanks, Water and Environmental Research Center  SourceID:169 | 1 |
| Arctic Institute of North America  SourceID: 178 | 1 |
| University of Alaska Fairbanks, Geophysical Institute  SourceID:179 | 1 |
| Terrestrial Sciences Laboratory, Geophysics Research Directorate, Air Force Cambridge Research Center  SourceID:182 | 1 |
| Terrestrial Sciences Laboratory, Geophysics Research Directorate, Air Force Cambridge Research Center  SourceID:183 | 1 |
| University of Alaska Fairbanks, Water and Environmental Research Center  WERC, North Slope Lakes Water Chemistry  SourceID:193 | 67 |
| U.S. Geological Survey, Fort Collins Science Center  SourceID:194 | 1 |
| Bureau of Land Management and U.S. Geological Survey  SourceID:199 | 7 |
| Natural Resources Conservation Service, Snow Course  SourceID:200 | 120 |
| Department of Energy  SourceID: 202 | 1 |
| Department of Energy, University of Alaska, Fairbanks  SourceID:203 | 1 |
| University of Alaska Fairbanks,Geophysical Unit  SourceID:207 | 45 |
| National Oceanic and Atmospheric Administration, ISH  SourceID:209 | 165 |
| National Oceanic and Atmospheric Administration,GHCN  SourceID:210 | 277 |
| Western Regional Climate Center,RAWS  SourceID:211 | 104 |
| Natural Resources Conservation Service, SNOTEL  SourceID:212 | 42 |
| Alaska Department of Transportation and Public Facilities  SourceID:213 | 14 |

# International Arctic Research Center

Sites: Atqasuk TPS

SourceID=1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **precip\_rate** | millimeters per minute |
| **precip\_total** | millimeter |
| **air\_temp** | degree celsius |
| **wspd** | meters per second |
| **snow\_depth** | millimeter |

# U.S. Fish and Wildlife Service

Sites: 899, SourceID=2

The ‘SiteCode’ from the Sites table refers to:

|  |  |
| --- | --- |
| **TableName** | **Key** |
| **EXT\_waterbody** | WaterbodID |
| **EXT\_ReferenceTOWaterbody** | WaterbodyID |

‘EXT\_Reference’ table is linked to the waterbodies through ‘WaterbodyID’ and to the References tables through ‘ReferenceName’

|  |  |
| --- | --- |
| **TableName** | **Key** |
| **EXT\_ReferenceTOWaterbody** | NameReference |

The ‘Sites’ table is link to the ‘EXT\_FWS\_FishSample’ table using ‘SiteID’

|  |  |
| --- | --- |
| **TableName** | **Key** |
| **EXT\_FWS\_FishSample** | SiteID |

The ‘EXT\_arc\_arc’ and ‘EXT\_arc\_point’ tables are linked by ‘STREAM\_COD’.

# Water and Environmental Research Center, University of Alaska Fairbanks Snow Survey

Sites: 188, SourceID=3

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **SnowDensity** | grams per cubic centimeter |
| **SnowDepth\_cm** | centimeter |
| **SWE\_cm** | centimeter |

# University of Alaska Fairbanks, Water and Environmental Research Center

Umiat Corridor, SourceID=29

Sites: 23

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **AT\_Avg 2m** | degree celsius |
| **discharge** | cubic meters per second |
| **NetRad\_Avg** | watts per square meter |
| **Precip** | millimeter |
| **RH\_Avg 2 m** | percent |
| **SnowDepth\_Avg** | centimeter |
| **Soil Surface Temperature Rep 1 (°C)** | degree celsius |
| **Soil Surface Temperature Rep 2 (°C)** | degree celsius |
| **Soil Surface Temperature Rep 3 (°C)** | degree celsius |
| **WindDir 3m** | degree |
| **WindSpeed 3m** | meters per second |
| **XX-cm Depth Soil Water Content (vol fraction)** | vol fraction |
| **XXX-cm Depth Soil Temperature (°C)** | degree celsius |

# University of Alaska Fairbanks, Water and Environmental Research Center

Bullen, SourceID=30

Sites: 15

\*\*Comments is referring to ice present or not present

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **AT\_Avg 2m** | degree celsius |
| **Comments** | categorical |
| **Discharge** | cubic meters per second |
| **NetRad\_Avg** | watts per square meter |
| **Precip** | millimeter |
| **RH\_Avg 2m** | percent |
| **SnowDepth\_Avg** | centimeter |
| **Soil Surface Temperature Rep 1 (°C)** | degree celsius |
| **Soil Surface Temperature Rep 2 (°C)** | degree celsius |
| **Soil Surface Temperature Rep 3 (°C)** | degree celsius |
| **Water Level Elevation** | meter |
| **Water Temperature** | degree celsius |
| **WindDir 3m** | degree |
| **WindSpeed 3m** | meters per second |
| **XX-cm Depth Soil Water Content (vol fraction)** | vol fraction |
| **XXX-cm Depth Soil Temperature (°C)** | degree celsius |

# University of Alaska Fairbanks, Water and Environmental Research Center

Coastal Plain, SourceID=31

Sites: 27

\*\* Deleted Sagwon Bluffs snow data (1986-1993), since it was manipulated SNOTEL data.

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **1.5m Air Temperature (C)** | degree celsius |
| **1.5m relative humidity (%)** | percent |
| **1.5m wind speed (m/s)** | meters per second |
| **10cm unshield air/snow temp** | degree celsius |
| **10m Air Temperature(C)** | degree celsius |
| **10m relative humidity (%)** | percent |
| **10m wind speed (m/s)** | meters per second |
| **1m Air Temperature (C)** | degree celsius |
| **1m Relative Humidity (%)** | percent |
| **1m wind speed (m/s)** | meters per second |
| **2m air temperature (C)** | degree celsius |
| **2m Wind Direction** | degree |
| **2m wind speed (m/s)** | meters per second |
| **3m Air Temperature (C)** | degree celsius |
| **3m relative humidity (%)** | percent |
| **3m wind speed (m/s)** | meters per second |
| **Air Temperature (C)** | degree celsius |
| **Atmospheric longwave radiation (W/M^2)** | watts per square meter |
| **Discharge (Cubic meters per second)** | cubic meters per second |
| **Ice in Channel during discharge note** | categorical |
| **Incident shortwave radiation (W/M^2)** | watts per square meter |
| **Net radiation (W/m^2)** | watts per square meter |
| **NET TOTAL HEMISPHERIC RADIATION (W/M^2)** | watts per square meter |
| **Obs Stage, ft** | international foot |
| **Observed Discharge** | cubic meters per second |
| **Photosynthetic Shortwave (W/m≤)** | watts per square meter |
| **PHOTOSYNTHETICALLY ACTIVE RADIATION (W/m²)** | watts per square meter |
| **Precipitation (mm)** | millimeter |
| **Reflected shortwave radiation (W/m^2)** | watts per square meter |
| **Relative Humidity (%)** | percent |
| **Snow Depth** | meter |
| **station pressure (mb)** | millibar |
| **Surface soil temperature (C)** | degree celsius |
| **Terresrial longwave radiation (W/m^2)** | watts per square meter |
| **Total Incident Radiation (W/m≤)** | watts per square meter |
| **Total Outgoing Radiation (W/m≤)** | watts per square meter |
| **Water Temperature (C)** | degree celsius |
| **Wind direction (degrees true north)** | degree |
| **Wind Direction standard deviation (TN)** | degree |
| **Wind Speed (m/s)** | meters per second |
| **XXcm snow temperature (C)** | degree celsius |
| **XXXcm soil temperature (C)** | degree celsius |

# University of Alaska Fairbanks, Water and Environmental Research Center

SourceID:32

North Slope Project

Sites: 4

All sites do not have any data loaded. Not all sites seem to be entered into database.

This source only provides real-time data. Site is currently down (2/3/2014). According to Peter Prokein, this site will no longer be functioning. NSL project is over and this site should come down.

|  |  |
| --- | --- |
| **SiteID** | **SiteName** |
| **975** | L9312-met |
| **976** | L9817-met |
| **978** | UAFWS1 |
| **979** | UAFWS4 |

# University of Alaska-Fairbanks, International Arctic Research Center

SourceID:34

Seward Peninsula.

Sites: 15

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Air Temperature @ 10m (C)** | degree celsius |
| **Air Temperature @ 1m (C)** | degree celsius |
| **Air Temperature @ 2m** | degree celsius |
| **Air Temperature @ 3m (C)** | degree celsius |
| **Air Temperature 1.5m** | degree celsius |
| **Barometric Pressure** | millibar |
| **Battery** | volts |
| **Discharge** | cubic meters per second |
| **Incoming Longwave Radiation (W/m^2)** | watts per square meter |
| **Incoming Shortave Radiation (W/m^2)** | watts per square meter |
| **Net Rad** | watts per square meter |
| **PanelTemp** | degree celsius |
| **Rainfall** | millimeter |
| **Reflected Longwave Radiation (w/m^2)** | watts per square meter |
| **Reflected Shortwave Radiation (W/m^2)** | watts per square meter |
| **Relative Humidity @ 1.5m (%)** | percent |
| **Relative Humidity @ 10m (%)** | percent |
| **Relative Humidity @ 1m (%)** | percent |
| **Relative Humidity @ 2m** | percent |
| **Relative Humidity @ 3m (%)** | percent |
| **RH Check** | categorical |
| **River Stage, m** | meter |
| **Snow Depth** | centimeter |
| **Soil Moisture @ XXcm** | vol fraction |
| **Soil Temperature @ XXcm (C)** | degree celsius |
| **Soil Temperature2 @ XXcm C** | degree celsius |
| **Vapor Pressure** | kilopascal |
| **WD 3m Instantaneous** | degree |
| **WD check** | categorical |
| **WD3m Instantaneous** | degree |
| **Wind Direction @ 10m** | degree |
| **Wind Direction @ 3m** | degree |
| **Wind Direction @ 3m** | hour minute |
| **Wind Direction Std.** | degree |
| **Wind Speed @ 10m** | meters per second |
| **Wind Speed @ 1m (m/s)** | meters per second |
| **Wind Speed @ 3m (m/s)** | meters per second |
| **WS check** | categorical |
| **WS max check** | categorical |
| **WS3m\_max** | meters per second |

# National Oceanic and Atmospheric Administration, Oceanic and Atmospheric Research, Earth System Research laboratory, Global Monitoring Division

SourceID:35

Site:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **PRECIP** | millimeter |
| **PRESS** | millibar |
| **RH2M** | percent |
| **T10M** | degree celsius |
| **T2M** | degree celsius |
| **TTOP** | degree celsius |
| **WDIR10M** | degree |
| **WDIR2M** | degree |
| **WDIRTOP** | degree |
| **WSPD10M** | meters per second |
| **WSPD2M** | meters per second |
| **WSPDTOP** | meters per second |

# U.S. GEOLOGICAL SURVEY GTN-P Active-Layer Monitoring Site, Alaska, NPRA. Metadata found on project website

SourceID:39

Sites: 37

The new website is up. Need to get the new data! http://pubs.usgs.gov/ds/812/

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **U** | meters per second |
| **Rain** | millimeter |
| **Smoist** | vol fraction |
| **snowD** | centimeter |
| **So\_d** | watts per square meter |
| **So\_u** | watts per square meter |
| **Tair** | degree celsius |
| **TgXXcm** | degree celsius |
| **Uang** | degree |

# U.S. Fish and Wildlife Services, Water Resources Branch

John Trawiki

Sites: 119

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **FishPresence** | categorical |
| **MaxDepth** | international foot |
| **SummerWaterVol\_AcFt** | acre foot |

# USGS NWIS Web Services.

SourceID: 139

Sites: 54

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Discharge, cubic feet per second** | cubic feet per second |
| **Precipitation, total, inches** | international inch |
| **Temperature, water, degrees Celsius** | degree celsius |

# Toolik Lake Long Term Ecological Research Station and University of Michigan

SourceID: 141

Sites:2

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **discharge** | cubic feet per second |

Toolik Lake Long Term Ecological Research Station and Marine Biological Laboratory, Ecosystems Center

SourceID=143

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **discharge** | cubic feet per second |

# Toolik Field Station, Environmental Data Center

SourceID=145

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **air\_tc\_1m** | degree celsius |
| **air\_tc\_5m** | degree celsius |
| **air\_temp\_1m** | degree celsius |
| **air\_temp\_3m** | degree celsius |
| **air\_temp\_5m** | degree celsius |
| **air\_temp\_max\_1m** | degree celsius |
| **air\_temp\_max\_3m** | degree celsius |
| **air\_temp\_max\_5m** | degree celsius |
| **air\_temp\_max\_hr\_1m** | hour minute |
| **air\_temp\_max\_hr\_3m** | hour minute |
| **air\_temp\_max\_hr\_5m** | hour minute |
| **air\_temp\_min\_1m** | degree celsius |
| **air\_temp\_min\_3m** | degree celsius |
| **air\_temp\_min\_5m** | degree celsius |
| **air\_temp\_min\_hr\_1m** | hour minute |
| **air\_temp\_min\_hr\_3m** | hour minute |
| **air\_temp\_min\_hr\_5m** | hour minute |
| **barometer\_mbar** | millibar |
| **evapo\_depth** | millimeter |
| **evapo\_temp** | degree celsius |
| **frost\_free\_days** | per day |
| **lake\_depth** | centimeter |
| **lake\_quantum** | micromoles of photons per square meter per second |
| **lake\_temp\_c** | degree celsius |
| **LakeTC\_C\_Avg** | degree celsius |
| **net\_rad** | kilowatts per square meter |
| **pyr\_j\_cm2\_hr** | Joules per square centimeter |
| **pyranometer** | kilowatts per square meter |
| **quantum** | micromoles of photons per square meter per second |
| **rain** | millimeter |
| **rain2** | millimeter |
| **rh\_1m** | percent |
| **rh\_3m** | percent |
| **rh\_5m** | percent |
| **soil1\_XXcm** | degree celsius |
| **soil2\_XXcm** | degree celsius |
| **vapor\_pres\_3m** | millibar |
| **vapor\_pres\_5m** | millibar |
| **wind\_dir\_3m** | degree |
| **wind\_dir\_5m** | degree |
| **wind\_dir\_std** | degree |
| **wind\_dir\_std\_5m** | degree |
| **wind\_mag\_3m** | meters per second |
| **wind\_sector** | categorical |
| **wind\_sp\_1m** | meters per second |
| **wind\_sp\_3m** | meters per second |
| **wind\_sp\_5m** | meters per second |
| **wind\_sp\_max\_1m** | meters per second |
| **wind\_sp\_max\_5m** | meters per second |
| **wind\_sp\_max\_hr\_1m** | hour minute |
| **wind\_sp\_max\_hr\_5m** | hour minute |
| **wind\_std\_3m** | degree |
| **wind\_vec\_5m** | meters per second |

# Circumpolar Active Layer Monitoring Network

SourceID=151

Sites: 42

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **SITE AVERAGES ANNUAL END-OF-SEASON THAW DEPTH (cm)** | centimeter |

# U.S. Fish and Wildlife Service, Water Resource Branch

SourceID:154

Sites: 10

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **discharge** | cubic feet per second |

# Bureau of Land Management

SourceID:157

Sites:9

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **discharge** | cubic feet per second |

# Bureau of Land Management and University of Alaska Fairbanks

SourceID:164

Sites: 11

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Depth** | meter |
| **Elevation** | meter |
| **Qw** | cubic meters per second |
| **SC** | microsiemens per centimeter |
| **Tair+10cm** | degree celsius |
| **Tbed** | degree celsius |
| **Trun** | degree celsius |
| **Tsur** | degree celsius |
| **Tsur-40cm** | degree celsius |
| **Tsurf** | degree celsius |

# University of Alaska-Fairbanks, Water and Environmental Research Center

SourceID:169

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **mm** | millimeter |
| **mm/h** | millimeters per hour |

# Arctic Institute of North America

SourceID: 178

Sites: 1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **air temp F, hourly** | degree fahrenheit |
| **albedo** | percent |
| **long in, hourly** | langleys per minute |
| **long out, hourly** | langleys per minute |
| **net rad flux, hourly** | langleys per minute |
| **precip** | international inch |
| **refl solar, hourly** | langleys per minute |
| **RH** | percent |
| **shortwave in, hourly** | langleys per minute |
| **T Max F** | degree fahrenheit |
| **T Min** | degree fahrenheit |
| **Total incoming Radiation** | langleys per minute |
| **Total outgoing Radiation** | langleys per minute |

# University of Alaska Fairbanks, Geophysical Institute

SourceID:179

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **temp C** | degree celsius |

# University of Alaska Fairbanks, Geophysical Institute

SourceID:180

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **max vpress mbar** | millibar |
| **max wdsp m/s** | meters per second |
| **maxdischarge rate (L/sec)** | liters per second |
| **maxT degC** | degree celsius |
| **min vpress mbar** | millibar |
| **min wdsp m/s** | meters per second |
| **mindischarge** | liters per second |
| **minT degC** | degree celsius |
| **Precip mm** | millimeter |
| **water vapor pressure (mb)** | millibar |

# Terrestrial Sciences Laboratory, Geophysics Research Directorate, Air Force Cambridge Research Center

SourceID:182

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **dew point** | degree fahrenheit |
| **direction** | degree |
| **drybulb tmp then dewpt temp** | degree fahrenheit |
| **max temp f** | degree fahrenheit |
| **min temp f** | degree fahrenheit |
| **precip** | international inch |
| **precip inches** | international inch |
| **R H** | percent |
| **speed** | meters per second |
| **temp F** | degree fahrenheit |

# Terrestrial Sciences Laboratory, Geophysics Research Directorate, Air Force Cambridge Research Center

SourceID:183

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **mean ablt(cm)** | centimeter |
| **rain(in)** | international inch |
| **rel hum(%)** | percent |
| **snow(in)** | international inch |
| **stream discharge (ft3/s)** | cubic feet per second |
| **temp avg** | degree fahrenheit |
| **temp max** | degree fahrenheit |
| **temp min** | degree fahrenheit |

# University of Alaska Fairbanks, Water and Environmental Research Center

WERC, North Slope Lakes Water Chemistry

SourceID:193

Sites:67

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **\_MeanSnowDepth\_cm** | centimeter |
| **Barometric** | millimeter of mercury |
| **Conductivity (ųS/cm)** | microsiemens per centimeter |
| **Freeboard (ft)** | international foot |
| **Hach LDO DO** | milligrams per liter |
| **HachTemp (C)** | degree celsius |
| **Ice Thickness (ft)** | international foot |
| **Mean Density (g/cm^3)** | grams per cubic centimeter |
| **Mean SWE (cm water)** | centimeter |
| **ORP** | dimensionless |
| **pH** | pH Unit |
| **Pressure (kPa)** | kilopascal |
| **RDO (ppm)** | parts per million |
| **Snow Depth (ft)** | international foot |
| **snow depth max** | centimeter |
| **snow depth min** | centimeter |
| **snow depth stdev** | unknown |
| **Temp (C)** | degree celsius |
| **Turbidity (NTU)** | nephelometric turbidity units |
| **Water Depth (ft)** | international foot |

# U.S. Geological Survey, Fort Collins Science Center

SourceID:194

Sites:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **air temp 10 m agl** | degree celsius |
| **discharge** | cubic feet per second |
| **NetRad** | watts per square meter |
| **precip** | milliliter |
| **rh** | percent |
| **SoilTemp** | degree celsius |
| **winddir** | degree |
| **windspeed** | meters per second |

# Bureau of Land Management and U.S. Geological Survey

SourceID:199

Sites:7

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Discharge, cubic feet per second** | cubic feet per second |
| **Flag** | categorical |
| **Gage height, feet** | international foot |
| **peak\_va** | cubic feet per second |
| **Precipitation, cumulative, inches** | international inch |
| **Precipitation, millimeters** | millimeter |
| **Precipitation, total, inches** | international inch |
| **Remark** | categorical |
| **Temperature, air (C)** | degree celsius |
| **Temperature, water, degrees Celsius** | degree celsius |

# Natural Resources Conservation Service, Snow Course

SourceID:200

Sites: 120

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **dep** | international inch |
| **swe** | international inch |

# Department of Energy

SourceID: 202

Sites: 1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **atmos\_pressure** | kilopascal |
| **pws\_precip\_rate\_mean\_1min** | millimeters per minute |
| **rh\_mean** | percent |
| **temp\_mean** | degree celsius |
| **wdir\_vec\_mean** | degree |
| **wspd\_arith\_mean** | meters per second |

# Department of Energy, University of Alaska, Fairbanks

SourceID:203

SiteID:1

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **air\_temp** | degree celsius |
| **precip\_rate** | millimeters per minute |
| **precip\_rate** | millimeters per second |
| **precip\_total** | millimeter |
| **snow\_depth** | millimeter |
| **wspd** | meters per second |

# University of Alaska Fairbanks,Geophysical Unit

SourceID: 206

Sites: 14

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Air\_Temp,Air** | degree celsius |
| **Surf\_Temp, XX m** | degree celsius |
| **Temperature,X.XX m** | degree celsius |
| **Water, X.XXm** | vol fraction |

# University of Alaska Fairbanks,Geophysical Unit

SourceID:207

Sites:45

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Air Temperature (C)** | degree celsius |
| **AirSnow Temperature (C)** | degree celsius |
| **Soil Temperature (C)** | degree celsius |
| **Soil temperature L-107** | degree celsius |
| **Surface Temperature (C)** | degree celsius |
| **Surface Temperature 2** | degree celsius |
| **Surface Temperature TMRC1** | degree celsius |
| **Surface Temperature, boil** | degree celsius |
| **Surface Temperature, interboil** | degree celsius |
| **Temperature - MRC probe** | degree celsius |
| **Temperature at a Depth of** | degree celsius |
| **Temperature L107** | degree celsius |
| **Temperature near Vitel #1** | degree celsius |
| **Temperature near Vitel, Temperature at a Depth of** | degree celsius |
| **Temperature-MRC probe** | degree celsius |

# National Oceanic and Atmospheric Administration, ISH

SourceID:209

Sites:165

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **AIR-TEMPERATURE-OBSERVATION** | degree celsius |
| **AIR-TEMPERATURE-OBSERVATION dew point** | degree celsius |
| **ATMOSPHERIC-PRESSURE-OBS sea level pressure** | Hecto Pascal |
| **Hourly average solar radiation** | watts per square meter |
| **Hourly maximum solar radiation** | watts per square meter |
| **Hourly minimum solar radiation** | watts per square meter |
| **Hourly standard deviation solar radiation** | watts per square meter |
| **LIQUID-PRECIPITATION (Hourly) Condition Code** | categorical |
| **LIQUID-PRECIPITATION depth dimension** | millimeter |
| **SKY-CONDITION-OBS CAVOK code** | categorical |
| **SKY-CONDITION-OBS ceiling determination code** | categorical |
| **SKY-CONDITION-OBSERVATION ceiling height dimension** | meter |
| **SNOW-DEPTH condition code** | categorical |
| **SNOW-DEPTH dimension** | centimeter |
| **SNOW-DEPTH equivalent water condition code** | categorical |
| **SNOW-DEPTH equivalent water depth dimension** | millimeter |
| **WIND-OBSERVATION direction angle** | degree |
| **WIND-OBSERVATION speed rate** | meters per second |
| **WIND-OBSERVATION type code** | categorical |

# National Oceanic and Atmospheric Administration,GHCN

SourceID:210

Sites: 277

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **MFLAG** | categorical |
| **PRCP** | millimeter |
| **SNOW** | millimeter |
| **SNWD** | millimeter |
| **TMAX** | degree celsius |
| **TMIN** | degree celsius |

# Western Regional Climate Center,RAWS

SourceID:211

Sites: 104

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **Air Temperature Ave.** | degree celsius |
| **Air Temperature Max.** | degree celsius |
| **Air Temperature Min.** | degree celsius |
| **Precip. Total** | millimeter |
| **Relative Humidity Ave.** | percent |
| **Relative Humidity Max.** | percent |
| **Relative Humidity Min.** | percent |
| **Solar Rad. Total** | kilowatts per square meter |
| **Wind Dir. Vector** | degree |
| **Wind Speed Ave.** | meters per second |
| **Wind Speed Gust** | meters per second |

# Natural Resources Conservation Service, SNOTEL

SourceID:212

Sites: 42

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **pill** | international inch |
| **prcp** | international inch |
| **prec** | international inch |
| **tavg** | degree fahrenheit |
| **tmax** | degree fahrenheit |
| **tmin** | degree fahrenheit |

# Alaska Department of Transportation and Public Facilities

SourceID:213

Sites:14

|  |  |
| --- | --- |
| **FieldName** | **UnitsName** |
| **airTemp(F)** | degree fahrenheit |
| **depth** | centimeter |
| **dewPoint(F)** | degree fahrenheit |
| **dirAvg** | degree |
| **dirMax** | degree |
| **pc1hr** | international inch |
| **precip** | categorical |
| **pressure** | millibar |
| **relHum** | percent |
| **spdAvg(mph)** | miles per hour |
| **windGust(mph)** | miles per hour |