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

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

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 |