Title: Meteorological data from benchmark stations at the HJ Andrews Experimental Forest, 1957 to present

Abstract:
A three-level hydro-climatological network for data monitoring was established in 1994. The networks at each level are nested to form a coordinated program of data acquisition and measurement. A future vision of linking the benchmark meteorological stations with regional weather stations to expand the future scope of studies was also considered in designing this network. The first-level in this top-down approach consists of Benchmark Meteorological Stations (BMS) and Benchmark Stream Stations. The BMS are designed to represent the environment across the Andrews. These stations are intended to provide complete, long-term, high temporal resolution, meso-scale hydroclimatological data. The location of the BMS network is based on factors such as elevation, aspect, vegetation gradients, and accessibility. Collected meteorological parameters are generally standardized across the BMS as well as methods and instrumentation. Secondary Meteorological Stations also follow standardized methods and serve similar purposes but are somewhat limited in meteorological parameters collected. The Primary Benchmark Meteorological Station (PRIMET), Central Meteorological Station (CENMET), Upper Lookout Meteorological Station (UPLMET), and Vanilla Leaf Meteorological Station (VANMET) are the four Benchmark Stations, Climatic Station at Watershed 2 (CS2MET) and the Hi-15 Meteorological Station (H15MET) are Secondary Stations.

Keywords: Organic matter; hydrology; meteorology; climatology; climate change; atmospheric pressure; vapor pressure; relative humidity; precipitation; snow accumulation; wind direction; wind speed; snow; air temperature; soil temperature; photosynthetically active radiation; solar radiation; soil moisture; disturbance; monitoring;

Date data commenced: 1957-01-10

Date data terminated: 2019-03-28

Principal Investigator: Christopher Daly

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1. Air temperature (daily)

The earliest air temperature records occur at the Climatic Station (CS2MET) as daily max-min beginning in 1958. Records begin in 1972 at Primary Meteorological Station (PRIMET).

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2. Relative humidity (daily)

The earliest relative humidity records occur at the Climatic Station (CS2MET) as daily max-min beginning in 1958.

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### 4. Wind speed and direction from propeller anemometer (daily)

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**5. Solar radiation - incoming short wave (daily)**

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**6. Soil moisture potential (daily)**

Daily soil moisture potential is discontinued in November 2002. Please see "Soil moisture (daily)" (Entity 23) for volumetric soil water content.

**Attribute List:**

- **DBCODE** N N char(5) enum
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- **QC_LEVEL** N N char(2) enum
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### Dewpoint temperature (daily)

Data is calculated from air temperature and relative humidity

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- **HEIGHT** N N numeric(4,0) range 100.0000 480.0000 cm
- **QC_LEVEL** N N char(2) enum
- **PROBE_CODE** Y N char(8) enum
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- **DEWPT_MEAN_FLAG** N N char(1) enum
- **DEWPT_MAX_DAY** Y numeric(5,1) range -20.7000 31.7000 deg c
- **DEWPT_MAX_FLAG** N N char(1) enum
- **DEWPT_MAXTIME** N Y char(4) freetext 0.0000 2400.0000 HHMM
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### Water vapor pressure deficit (daily)

Data is calculated from air temperature and relative humidity

**Attribute List:**

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- **SITECODE** N N char(6) place
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9. Snowmelt lysimeter (daily)

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10. Snow water equivalence (SWE) and snow depth (daily midnight)

Data is the median snow water equivalence (SWE) and snow depth for the last hour of each day

**Attribute List:**

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11. Air temperature (fine temporal resolution)

Data is provided through an interactive application (GLITCH). Records begin in 1972 at Primary Meteorological Station (PRIMET).

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<td>enum</td>
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<td>char(8)</td>
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12. Relative humidity (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

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<td>enum</td>
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### 13. Precipitation (fine temporal resolution)

Data is provided through an interactive application (GLITCH). Benchmark station precipitation data is here. See MS004 entity 4 for Mack Creek and the historic Forks fine temporal resolution data.

**Attribute List:**

- **DBCODE** N N char(5) enum
- **ENTITY** N N numeric(2,0) range 13.0000 13.0000 number
- **SITECODE** N N char(6) place
- **PRECIP_METHOD** N N char(6) enum
- **HEIGHT** N N numeric(4,0) range 100.0000 627.0000 cm
- **QC_LEVEL** N N char(2) enum
- **PROBE_CODE** Y N char(8) enum
- **DATE_TIME** Y N datetime range 10/1/1957 12:00:00 to 5/22/1973 12:00:00 YYYY-MM-DD AM/PM hh:mm:ss
- **PRECIP_TOT** N Y numeric(6,2) range 0.0000 418.5000 mm
- **PRECIP_TOT_FLAG** N N char(1) enum
- **EVENT_CODE** N N char(6) enum

### 14. Wind speed and direction from propeller anemometer (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

**Attribute List:**

- **DBCODE** N N char(5) enum
- **ENTITY** N N numeric(2,0) range 14.0000 14.0000 number
- **SITECODE** N N char(6) place
- **WIND_METHOD** N N char(6) enum
- **HEIGHT** N N numeric(4,0) range 150.0000 1200.0000 cm
- **QC_LEVEL** N N char(2) enum
- **PROBE_CODE** Y N char(8) enum
- **DATE_TIME** Y N datetime range 5/22/1973 12:00:00 to 3/26/2019 12:30:00 YYYY-MM-DD AM/PM hh:mm:ss
- **WSPD_PRO_MEAN** N Y numeric(4,1) range 0.0000 8.7000 m/sec
- **WSPD_PRO_MEAN_FLAG** N char(2) enum
- **WSPD_PRO_MAX** N Y numeric(4,1) range 0.0000 13.6000 number
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### 15. Solar radiation - incoming short wave (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

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### 16. Soil moisture potential (fine temporal resolution)

Hourly soil moisture potential is discontinued in 1994. Please see "Soil moisture potential (daily)" (Entity 6) or see "Soil moisture (daily)" (Entity 23) for volumetric soil water content.

**Attribute List:**

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17. Dewpoint temperature (fine temporal resolution)

Data is provided through an interactive application (GLITCH). Data is calculated from air temperature and relative humidity.

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18. Water vapor pressure deficit (fine temporal resolution)

Data is provided through an interactive application (GLITCH). Data is calculated from air temperature and relative humidity.

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**19. Snowmelt lysimeter (fine temporal resolution)**

Data is provided through an interactive application (GLITCH)

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**20. Snow water equivalence (SWE) and snow depth (median depth for each hour)**

Data is provided through an interactive application (GLITCH)

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**21. Soil temperature (daily)**

Attribute List:
### Attribute List:

#### PAR: Photosynthetically active radiation (Wm²)

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#### SOILTEMP: Soil temperature (deg C)

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#### EVENT_CODE: Event codes

- 22: Photosynthetically active radiation (PAR) (daily)
### 23. Soil water content (daily)

Soil volumetric water content

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### 24. Wind speed and direction from sonic anemometer (daily)

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### 25. Net radiation (daily)

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### 30. Snow water equivalence (SWE) and snow depth based on episodic snow course measurements near the station

Met Station snow course data is taken every 3 weeks at CENMET, VANMET, UPLMET on fixed transects and around the snow pillow

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**31. Soil temperature (fine temporal resolution)**

Data is provided through an interactive application (GLITCH)

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**32. Photosynthetically active radiation (PAR) (fine temporal resolution)**

Data is provided through an interactive application (GLITCH)

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33. Soil water content (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

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</table>

34. Wind speed and direction from sonic anemometer (five minute resolution)

See Entity 14 for long-term propeller-style wind speed and direction

Attribute List:

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Required</th>
<th>Optional</th>
<th>Type</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBCODE</td>
<td>N</td>
<td>N</td>
<td>char(5)</td>
<td>enum</td>
</tr>
<tr>
<td>ENTITY</td>
<td>N</td>
<td>N</td>
<td>numeric(2,0)</td>
<td>range 34.0000 34.0000 number</td>
</tr>
<tr>
<td>SITEDCODE</td>
<td>N</td>
<td>N</td>
<td>char(6)</td>
<td>place</td>
</tr>
<tr>
<td>WIND_METHOD</td>
<td>N</td>
<td>N</td>
<td>char(6)</td>
<td>enum</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>N</td>
<td>N</td>
<td>numeric(4,0)</td>
<td>range 1000.0000 1000.0000 cm</td>
</tr>
<tr>
<td>QC_LEVEL</td>
<td>N</td>
<td>N</td>
<td>char(2)</td>
<td>enum</td>
</tr>
<tr>
<td>PROBE_CODE</td>
<td>Y</td>
<td>N</td>
<td>char(8)</td>
<td>enum</td>
</tr>
<tr>
<td>DATE_TIME</td>
<td>Y</td>
<td>N</td>
<td>datetime</td>
<td>range 4/16/2013 10/1/2018 YYYY-MM-DD AM AM 1:30:00 12:00:00 hh:mm:ss</td>
</tr>
<tr>
<td>WSPD_SNC_MEAN</td>
<td>Y</td>
<td>N</td>
<td>numeric(5,2)</td>
<td>range 0.0000 15.0000 m/sec</td>
</tr>
<tr>
<td>WSPD_SNC_MEAN_FLAG</td>
<td>N</td>
<td>N</td>
<td>char(1)</td>
<td>enum</td>
</tr>
<tr>
<td>WSPD_SNC_MAX</td>
<td>N</td>
<td>Y</td>
<td>numeric(4,1)</td>
<td>range 0.0000 40.1000 m/sec</td>
</tr>
</tbody>
</table>
### 35. Net radiation (five minute resolution)

Data is provided through an interactive application (GLITCH). See Entity 15 for long-term pyranometer record

**Attribute List:**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBCODE</td>
<td>N N</td>
<td>char(5) enum</td>
</tr>
<tr>
<td>ENTITY</td>
<td>N N</td>
<td>numeric(2,0) range 35.0000 35.0000 number</td>
</tr>
<tr>
<td>SITECODE</td>
<td>N N</td>
<td>char(6) place</td>
</tr>
<tr>
<td>SOLAR_METHOD</td>
<td>N N</td>
<td>char(6) enum</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>N N</td>
<td>numeric(4,0) range 450.0000 600.0000 cm</td>
</tr>
<tr>
<td>QC_LEVEL</td>
<td>N N</td>
<td>char(2) enum</td>
</tr>
<tr>
<td>PROBE_CODE</td>
<td>Y N</td>
<td>char(8) enum</td>
</tr>
<tr>
<td>DATE_TIME</td>
<td>Y N</td>
<td>datetime range 12/6/2006 10:20:00 10/1/2018 12:00:00 YYYY-MM-DD hh:mm:ss AM AM</td>
</tr>
<tr>
<td>SW_IN_MEAN</td>
<td>N Y</td>
<td>numeric(6,1) range 0.0000 1318.0000 W/m2</td>
</tr>
<tr>
<td>SW_IN_MEAN_FLAG</td>
<td>N</td>
<td>char(1) enum</td>
</tr>
<tr>
<td>SW_OUT_MEAN</td>
<td>N Y</td>
<td>numeric(6,1) range 0.0000 824.0000 W/m2</td>
</tr>
<tr>
<td>SW_OUT_MEAN_FLAG</td>
<td>N</td>
<td>char(1) enum</td>
</tr>
<tr>
<td>LW_IN_MEAN</td>
<td>N Y</td>
<td>numeric(6,1) range 170.5000 466.7000 W/m2</td>
</tr>
<tr>
<td>LW_IN_MEAN_FLAG</td>
<td>N</td>
<td>char(1) enum</td>
</tr>
<tr>
<td>LW_OUT_MEAN</td>
<td>N Y</td>
<td>numeric(6,1) range 221.6000 677.2000 W/m2</td>
</tr>
<tr>
<td>LW_OUT_MEAN_FLAG</td>
<td>N</td>
<td>char(1) enum</td>
</tr>
<tr>
<td>NR_TOT_MEAN</td>
<td>N Y</td>
<td>numeric(6,1) range -504.50001103.5000 W/m2</td>
</tr>
<tr>
<td>NR_TOT_MEAN_FLAG</td>
<td>N</td>
<td>char(1) enum</td>
</tr>
<tr>
<td>SENSOR_TEMP</td>
<td>N Y</td>
<td>numeric(5,1) range -17.4000 48.6000 deg c</td>
</tr>
<tr>
<td>SENSOR_TEMP_FLAG</td>
<td>N</td>
<td>char(1) enum</td>
</tr>
<tr>
<td>EVENT_CODE</td>
<td>N N</td>
<td>char(6) enum</td>
</tr>
</tbody>
</table>

### 36. Atmospheric pressure (line temporal resolution)

**Attribute List:**

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBCODE</td>
<td>N N</td>
<td>char(5) enum</td>
</tr>
<tr>
<td>ENTITY</td>
<td>N N</td>
<td>numeric(2,0) range 36.0000 36.0000 number</td>
</tr>
</tbody>
</table>
Attributes Definitions:

AIRTEMP_MAX_DAY
Maximum air temperature for the day

AIRTEMP_MAX_FLAG
Maximum air temperature flag

AIRTEMP_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum air temperature

AIRTEMP_MEAN
Mean air temperature over the last interval (e.g., 15 minutes)

AIRTEMP_MEAN_DAY
Mean air temperature for the day

AIRTEMP_MEAN_FLAG
Mean air temperature flag

AIRTEMP_METHOD
An indication of the the general methodology and instrumentation used to collect this air temperature data

AIRTEMP_MIN_DAY
Minimum air temperature for the day

AIRTEMP_MIN_FLAG
Minimum air temperature flag

AIRTEMP_MINTIME
Time of day (HHMM) in Pacific Standard Time (PST) of minimum air temperature

ATMPRESS_INST
Instantaneous atmospheric pressure corrected for elevation to mean sea level

ATMPRESS_INST_FLAG
Instantaneous atmospheric pressure flag

ATMPRESS_METHOD
An indication of the the general methodology and instrumentation used to collect this atmospheric pressure data
COMMENT
    Comment regarding data measurement

DATE
    Date of measurement

DATE_TIME
    Date and time in Pacific Standard Time (PST) of sensor reading

DBCODE
    FSDB database code

DEPTH
    Depth of sensor from ground surface

DEWPT_MAX_DAY
    Maximum dew point temperature for the day

DEWPT_MAX_FLAG
    Maximum dew point temperature flag

DEWPT_MAXTIME
    Time of day (HHMM) in Pacific Standard Time (PST) of maximum dew point temperature

DEWPT_MEAN
    Mean dew point temperature over last interval (e.g., 60 minutes)

DEWPT_MEAN_DAY
    Mean dew point temperature for day

DEWPT_MEAN_FLAG
    Mean dew point temperature flag

DEWPT_METHOD
    An indication of the the general methodology and instrumentation used to collect or calculate this dew point temperature data

DEWPT_MIN_DAY
    Minimum dew point temperature for the day

DEWPT_MIN_FLAG
    Minimum dew point temperature flag

DEWPT_MINTIME
    Time of day (HHMM) in Pacific Standard Time (PST) of minimum dew point temperature

ELEVATION
    Elevation used to correct atmospheric pressure to mean sea level

ENTITY
    Entity number

EVENT_CODE
    Type of comment that exists independently for any event, disruption in protocol, or unusual conditions that occur at the given date or time and may have an effect on the data values

HEIGHT
Height of sensor from ground surface

LW_IN_MEAN
Mean corrected downward longwave radiation (emitted from the atmosphere) over the past interval (i.e., 5 minutes)

LW_IN_MEAN_DAY
Mean corrected downward longwave radiation (emitted from the atmosphere) for the day

LW_IN_MEAN_FLAG
Mean corrected downward longwave radiation (emitted from the atmosphere) flag

LW_OUT_MEAN
Mean corrected upward longwave radiation (emitted from the surface) over the past interval (i.e., 5 minutes)

LW_OUT_MEAN_DAY
Mean corrected upward longwave radiation (emitted from the surface) for the day

LW_OUT_MEAN_FLAG
Mean corrected upward longwave radiation (emitted from the surface) flag

NR_TOT_MEAN
Mean net radiation total over the past interval (i.e., 5 minutes)

NR_TOT_MEAN_DAY
Mean net radiation total for the day

NR_TOT_MEAN_FLAG
Mean net radiation total flag

PAR_MAX_DAY
Maximum rate of instantaneous photosynthetically active radiation (PAR) for the day

PAR_MAX_FLAG
Maximum PAR rate flag

PAR_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum PAR rate

PAR_MEAN
Mean rate of photosynthetically active radiation (PAR) over the past interval (e.g., 60 minutes)

PAR_MEAN_DAY
Mean rate of photosynthetically active radiation (PAR) for day

PAR_MEAN_FLAG
Mean PAR rate flag

PAR_METHOD
An indication of the the general methodology and instrumentation used to collect this photosynthetically active radiation (PAR) data

PRECIP_METHOD
An indication of the the general methodology and instrumentation used to collect this precipitation data

PRECIP_TOT
Total precipitation over the last interval (5 minutes is finest resolution)
PRECIP_TOT_DAY
Total precipitation for the day

PRECIP_TOT_FLAG
Total precipitation flag

PROBE_CODE
Probe number code indicates the measurement type, site, and sensor number (e.g., AIRPRI01)

QC_LEVEL
Quality control flag indicates level of quality checking performed including an indication of "provisional" data.

RELHUM_MAX_DAY
Maximum relative humidity for the day

RELHUM_MAX_FLAG
Maximum relative humidity flag

RELHUM_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum relative humidity

RELHUM_MEAN
Mean relative humidity over the last interval (e.g., 60 minutes)

RELHUM_MEAN_DAY
Mean relative humidity for the day

RELHUM_MEAN_FLAG
Mean relative humidity flag

RELHUM_METHOD
An indication of the general methodology and instrumentation used to collect this relative humidity data

RELHUM_MIN_DAY
Minimum relative humidity for the day

RELHUM_MIN_FLAG
Minimum relative humidity flag

RELHUM_MINTIME
Time of day (HHMM) in Pacific Standard Time (PST) of minimum relative humidity

SATVP_MEAN
Mean saturated vapor pressure over the last interval (e.g., 60 minutes)

SATVP_MEAN_FLAG
Mean saturated vapor pressure flag

SENSOR_TEMP
Mean sensor body temperature over the past interval (i.e., 5 minutes)

SENSOR_TEMP_DAY
Mean sensor body temperature for the day

SENSOR_TEMP_FLAG
Mean sensor body temperature flag

SITECODE
Site code for the meteorological measurement station

SNOW_METHOD
An indication of the general methodology and instrumentation used to collect this snow water equivalence and snow depth data

SNOWDEP_CHECK
Snow depth is measured under the snow depth sensor as a check reading (begins WY 1999) - only listed in conjunction with probes: CENMET02, UPLMET02, VANMET02

SNOWDEP_CHECK_FLAG
Check snow depth reading flag

SNOWDEP_DAY
Daily snow depth value is median value of last hour of day

SNOWDEP_DAY_FLAG
Daily snow depth flag

SNOWDEP_MEAN
Mean snow depth determined from the station snow course - snow depth is measured from snow cores along a transect, and either snow cores or snow stakes measure depth near each corner of a snow pillow

SNOWDEP_MEAN_FLAG
Mean snow depth flag

SNOWDEP_MED
Median value of snow depth over the past interval (typically hourly)

SNOWDEP_MED_FLAG
Snow depth median flag

SNOWMELT_METHOD
An indication of the general methodology and instrumentation used to collect this snow melt data

SNOWMELT_TOT
Total snowmelt over the past interval (e.g., 5 minutes or 60 minutes)

SNOWMELT_TOT_DAY
Daily total snowmelt

SNOWMELT_TOT_FLAG
Total snowmelt flag

SOILMP_MAX_DAY
Maximum soil moisture potential for the day

SOILMP_MAX_FLAG
Maximum soil moisture potential flag

SOILMP_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum soil moisture potential

SOILMP_MEAN
Mean soil moisture potential - the negative pressure exerted by a column of water - over the last interval (e.g., 60 minutes)

SOILMP_MEAN_DAY
Mean soil moisture potential - the negative pressure exerted by a column of water - for the day

SOILMP_MEAN_FLAG
Mean soil moisture potential flag

SOILMP_METHOD
An indication of the general methodology and instrumentation used to collect this soil moisture potential data

SOILMP_MIN_DAY
Minimum soil moisture potential for the day

SOILMP_MIN_FLAG
Minimum soil moisture potential flag

SOILMP_MINTIME
Time of day (HHMM) in Pacific Standard Time (PST) of minimum soil moisture potential

SOILTEMP_MAX_DAY
Maximum soil temperature for the day

SOILTEMP_MAX_FLAG
Maximum soil temperature flag

SOILTEMP_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum soil temperature

SOILTEMP_MEAN
Mean soil temperature over the past interval (e.g., 60 minutes)

SOILTEMP_MEAN_DAY
Mean soil temperature for the day

SOILTEMP_MEAN_FLAG
Mean soil temperature flag

SOILTEMP_METHOD
An indication of the general methodology and instrumentation used to collect this soil temperature data

SOILTEMP_MIN_DAY
Minimum soil temperature for the day

SOILTEMP_MIN_FLAG
Minimum soil temperature flag

SOILTEMP_MINTIME
Time of day (HHMM) in Pacific Standard Time (PST) of minimum soil temperature

SOILWC_MAX_DAY
Maximum soil volumetric water content on a fractional basis (values are 0 to 1) for the day

SOILWC_MAX_FLAG
Maximum soil water content flag
SOILWC_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum soil water content

SOILWC_MEAN
Mean soil volumetric water content on a fractional basis (values are 0 to 1) over the last interval

SOILWC_MEAN_DAY
Mean soil volumetric water content on a fractional basis (values are 0 to 1) for the day

SOILWC_MEAN_FLAG
Mean soil water content flag

SOILWC_METHOD
An indication of the general methodology and instrumentation used to collect this soil water content data

SOILWC_MIN_DAY
Minimum soil volumetric water content on a fractional basis (values are 0 to 1)

SOILWC_MIN_FLAG
Minimum soil water content flag

SOILWC_MINTIME
Time of day (HHMM) in Pacific Standard Time (PST) of minimum soil water content

SOLAR_MAX
Maximum rate of incoming solar (incoming shortwave) radiation over the preceding interval

SOLAR_MAX_DAY
Maximum rate of incoming solar radiation for the day (pre-july 1988 values represent mean hourly rate, post-july 1988 values represent instantaneous rate)

SOLAR_MAX_FLAG
Maximum rate solar radiation flag

SOLAR_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum incoming solar radiation

SOLAR_MEAN
Mean rate of total incoming solar radiation over the last interval

SOLAR_MEAN_DAY
Mean rate of total incoming solar radiation for the day

SOLAR_MEAN_FLAG
Mean rate of total incoming solar radiation flag

SOLAR_METHOD
An indication of the general methodology and instrumentation used to collect this solar or net radiation data

SOLAR_TOT
Total incoming solar radiation over the last interval (e.g., 60 minutes)

SOLAR_TOT_DAY
Total incoming solar radiation for day

SOLAR_TOT_FLAG
Total incoming solar radiation flag

SW_IN_MEAN
Mean downward shortwave radiation over the past interval (i.e., 5 minutes)

SW_IN_MEAN_DAY
Mean downward shortwave radiation flag for the day

SW_IN_MEAN_FLAG
Mean downward shortwave radiation flag

SW_OUT_MEAN
Mean upward shortwave radiation over the past interval (i.e., 5 minutes)

SW_OUT_MEAN_DAY
Mean upward shortwave radiation for the day

SW_OUT_MEAN_FLAG
Mean upward shortwave radiation flag

SWE_DAY
Daily snow water equivalence (SWE) value is median value of last hour of day

SWE_DAY_FLAG
Daily snow water equivalence flag

SWE_MEAN
Mean snow water equivalence determined from the station snow course - snow cores are taken along a transect or at four corners of the snow pillow

SWE_MEAN_FLAG
Mean snow water equivalence flag

SWE_MED
Median value of snow water equivalence (snow moisture) over the past interval (typically hourly)

SWE_MED_FLAG
Snow water equivalence median flag

SWE_METHOD
Method used to calculate snow water equivalence: standard snow course calculation procedures or estimated based on snow depth at snow stakes and snow density along snow course

VAP_MAX_DAY
Maximum vapor pressure for day

VAP_MAX_FLAG
Maximum vapor pressure flag

VAP_MEAN
Mean vapor pressure over the last interval (e.g., 60 minutes)

VAP_MEAN_DAY
Mean vapor pressure for day

VAP_MEAN_FLAG
Mean vapor pressure flag
VAP_MIN_DAY
Minimum vapor pressure for day
VAP_MIN_FLAG
Minimum vapor pressure flag
VPD_MAX_DAY
Maximum vapor pressure deficit for the day
VPD_MAX_FLAG
Maximum vapor pressure deficit flag
VPD_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum vapor pressure deficit
VPD_MEAN
Mean vapor pressure deficit over the last interval (e.g., 60 minutes)
VPD_MEAN_DAY
Mean vapor pressure deficit for day
VPD_MEAN_FLAG
Mean vapor pressure deficit flag
VPD_METHOD
An indication of the general methodology and instrumentation used to collect or calculate this vapor pressure deficit data
VPD_MIN_DAY
Minimum vapor pressure deficit for the day
VPD_MIN_FLAG
Minimum vapor pressure deficit flag
VPD_MINTIME
Time of day (HHMM) in Pacific Standard Time (PST) of minimum vapor pressure deficit
WDIR_PRO_MEAN
Resultant mean wind vector direction over the last interval (e.g., 60 minutes) - this azimuth value is the direction the wind is coming from
WDIR_PRO_MEAN_DAY
Resultant mean wind vector direction for day - this azimuth value is the direction the wind is coming from
WDIR_PRO_MEAN_FLAG
Resultant mean wind vector direction flag
WDIR_PRO_STDDEV
Standard deviation of mean wind vector over the last interval (e.g., 60 minutes)
WDIR_PRO_STDDEV_DAY
Standard deviation of mean wind vector for day
WDIR_PRO_STDDEV_FLAG
Mean wind vector standard deviation flag
WDIR_SNC_MEAN
Mean wind direction from the sonic anemometer over the last interval (i.e., 5 minutes)

WDIR_SNC_MEAN_DAY
Mean wind direction from the sonic anemometer for day

WDIR_SNC_MEAN_FLAG
Mean wind direction from the sonic anemometer flag

WDIR_SNC_STDDEV
Standard deviation of wind direction from the sonic anemometer for the last interval (i.e., 5 minutes)

WDIR_SNC_STDDEV_DAY
Standard deviation of wind direction from the sonic anemometer for day

WDIR_SNC_STDDEV_FLAG
Standard deviation of wind direction from the sonic anemometer flag

WIND_METHOD
An indication of the general methodology and instrumentation used to collect this wind speed and direction data

WMAG_PRO_MEAN
Resultant mean wind vector magnitude over the last interval (e.g., 60 minutes)

WMAG_PRO_MEAN_DAY
Resultant mean wind vector magnitude for day

WMAG_PRO_MEAN_FLAG
Resultant mean wind vector magnitude flag

WSPD_PRO_MAX
Maximum horizontal wind speed over the last interval (e.g., 5 or 60 minutes)

WSPD_PRO_MAX_DAY
Maximum horizontal wind speed for the day

WSPD_PRO_MAX_FLAG
Maximum horizontal wind speed flag

WSPD_PRO_MAXTIME
Time of day (HHMM) in Pacific Standard Time (PST) of maximum horizontal wind speed

WSPD_PRO_MEAN
Mean horizontal wind speed over the last interval (e.g., 5 or 60 minutes)

WSPD_PRO_MEAN_DAY
Mean horizontal wind speed for the day

WSPD_PRO_MEAN_FLAG
Mean horizontal wind speed flag

WSPD_ROSE1_MEAN_DAY
Daily component of mean windspeed between 0 and 45 degrees (wind rose 1)

WSPD_ROSE1_MEAN_FLAG
Windrose1 mean flag
WSPD_ROSE2_MEAN_DAY
    Daily component of mean windspeed between 45 and 90 degrees (wind rose 2)
WSPD_ROSE2_MEAN_FLAG
    Windrose2 mean flag
WSPD_ROSE3_MEAN_DAY
    Daily component of mean windspeed between 90 and 135 degrees (wind rose 3)
WSPD_ROSE3_MEAN_FLAG
    Windrose3 mean flag
WSPD_ROSE4_MEAN_DAY
    Daily component of mean windspeed between 135 and 180 degrees (wind rose 4)
WSPD_ROSE4_MEAN_FLAG
    Windrose4 mean flag
WSPD_ROSE5_MEAN_DAY
    Daily component of mean windspeed between 180 and 225 degrees (wind rose 5)
WSPD_ROSE5_MEAN_FLAG
    Windrose5 mean flag
WSPD_ROSE6_MEAN_DAY
    Daily component of mean windspeed between 225 and 270 degrees (wind rose 6)
WSPD_ROSE6_MEAN_FLAG
    Windrose6 mean flag
WSPD_ROSE7_MEAN_DAY
    Daily component of mean windspeed between 270 and 315 degrees (wind rose 7)
WSPD_ROSE7_MEAN_FLAG
    Windrose7 mean flag
WSPD_ROSE8_MEAN_DAY
    Daily component of mean windspeed between 315 and 360 degrees (wind rose 8)
WSPD_ROSE8_MEAN_FLAG
    Windrose8 mean flag
WSPD_SNC_MAX
    Maximum wind speed from sonic anemometer over the last interval (i.e., 5 minutes)
WSPD_SNC_MAX_DAY
    Maximum wind speed from sonic anemometer for day
WSPD_SNC_MAX_FLAG
    Maximum wind speed from sonic anemometer flag
WSPD_SNC_MEAN
    Mean wind speed from sonic anemometer over the last interval (i.e., 5 minutes)
WSPD_SNC_MEAN_DAY
Mean wind speed from sonic anemometer for day

WSPD_SNC_MEAN_FLAG
Mean wind speed from sonic anemometer flag

Enumerated Domains:

Enumerated Domain for Attribute: AIRTEMP_MEAN_FLAG
B  Sensor buried in snow; value is the snow temperature
E  Estimated value
M  Missing value
Q  Questionable value
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level
D  Value is estimated as the average of daily minimum and daily maximum

Enumerated Domain for Attribute: AIRTEMP_MAX_FLAG
B  Sensor buried in snow; value is the snow temperature
E  Estimated value
M  Missing value
Q  Questionable value
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level
F  Daily value based on the maximum 15 minute mean value (Check airtemp_method code)

Enumerated Domain for Attribute: AIRTEMP_MIN_FLAG
B  Sensor buried in snow; value is the snow temperature
E  Estimated value
M  Missing value
Q  Questionable value
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level
F  Daily value based on the minimum 15 minute mean value (Check airtemp_method code)

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCEN01  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter;
daily min-max hygrothermograph charts; discontinued 1999

AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02 Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03 Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04 Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05 Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04 Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202 Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501 Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502 Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01 Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04 Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05 Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on
tower, calculated

VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPR01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPR04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPR05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCULPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCULPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCULPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCULPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04  Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01  Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02  Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03  Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01  Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02  Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03  Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
Sep 2001

SMPVAN04  Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05  Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01  Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02  Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01  Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01  Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02  Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03  Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01  Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02  Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03  Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
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SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no.
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- **WNDCEN01**: Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
- **WNDH1501**: Wind speed and direction at H15MET, probe no. 01 at height 500 cm
- **WNDPRI01**: Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
- **WNDUPL01**: Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
- **WNDVAN01**: Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
- **AIRPRI06**: Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
- **SNOVAR04**: Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
- **AIRPRI07**: Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
- **AIRPRI08**: Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
- **AIRPRI09**: Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
- **AIRUPL08**: Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
- **AIRVAN08**: Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
- **AIRVAR10**: Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
- **ATMPRI01**: Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
- **ATMUPL01**: Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
- **RADPRI02**: Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
- **RADVAN02**: Net radiation measurements at VANMET, probe no. 02 at height 600 cm
- **WNDPRI02**: Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
- **WNDVAN02**: Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
- **PPTCS202**: Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
- **SNOVAR05**: Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
- **SOIVAN06**: Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
- **SOIVAN07**: Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
- **SOIVAN08**: Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
- **SOIVAN09**: Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
- **AIRCEN08**: Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
- **AIRCS203**: Air temperature at CS2MET, probe no. 03 at height 150 cm
- **RELCS203**: Relative humidity at CS2MET, probe no. 03 at height 150 cm
- **DEWCS203**: Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
- **VPDCS203**: Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
- **WNDWS702**: Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
- **WNDCEN02**: Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
- **RADWS701**: Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward
facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm

SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level

WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)

WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)

AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower

AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower

AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield

RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm

RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm

DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated

DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated

VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated

VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated

SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site

SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
Site clearing of trees and brush around the meteorological station is being conducted.

Burning of cleared trees and brush debris around the meteorological station is in progress.

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: AIRTEMP_METHOD
AIR005 Air temperature is sampled by a thermistor housed in a standard cotton region shelter at 150 cm height and continuously recorded on a separate 30-day Rustrak strip chart; mean temperature is output every 60 minutes
AIR006 Air temperature is sampled by a Yellow Springs Instrument Company linear thermistor (YSI44018) housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 60 minutes
AIR007 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 60 minutes
AIR008 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 15 minutes
AIR009 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 15 minutes
AIR010 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 50 cm height; mean temperature is output every 60 minutes
AIR011 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 60 minutes
AIR012 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 60 minutes
AIR013 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 480 cm height; mean temperature is output every 60 minutes
AIR014 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 60 minutes
AIR015 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 60 minutes
AIR016 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 60 minutes
AIR017 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 60 minutes
AIR018 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 60 minutes
AIR019 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 60 minutes
AIR020 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 50 cm height; mean temperature is output every 15 minutes
AIR021 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a locally designed PVC radiation shield at 150 cm height; mean
temperature is output every 15 minutes

AIR022 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a locally designed PVC radiation shield at 250 cm height; mean
temperature is output every 15 minutes

AIR023 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a locally designed PVC radiation shield at 350 cm height; mean
temperature is output every 15 minutes

AIR024 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a locally designed PVC radiation shield at 450 cm height; mean
temperature is output every 15 minutes

AIR025 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Gill radiation shield at 150 cm height; mean
temperature is output every 15 minutes

AIR026 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Gill radiation shield at 250 cm height; mean
temperature is output every 15 minutes

AIR027 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Gill radiation shield at 350 cm height; mean
temperature is output every 15 minutes

AIR028 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Gill radiation shield at 450 cm height; mean
temperature is output every 15 minutes

AIR029 Air temperature is sampled by a Campbell Scientific model HMP35C probe
housed in a locally designed PVC radiation shield at 150 cm height; mean
temperature is output every 15 minutes

AIR030 Air temperature is sampled by a Campbell Scientific model HMP35C probe
housed in a locally designed PVC radiation shield at 250 cm height; mean
temperature is output every 15 minutes

AIR031 Air temperature is sampled by a Campbell Scientific model HMP35C probe
housed in a locally designed PVC radiation shield at 450 cm height; mean
temperature is output every 15 minutes

AIR032 Air temperature is sampled by a Campbell Scientific model HMP45C probe
housed in a locally designed PVC radiation shield at 150 cm height; mean
temperature is output every 15 minutes

AIR033 Air temperature is sampled by a Campbell Scientific model HMP45C probe
housed in a locally designed PVC radiation shield at 450 cm height; mean
temperature is output every 15 minutes

AIR034 Air temperature is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 150 cm height; mean
temperature is output every 15 minutes

AIR035 Air temperature is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 250 cm height; mean
temperature is output every 15 minutes

AIR036 Air temperature is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 450 cm height; mean
temperature is output every 15 minutes

AIR037 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Model 43502 compact aspirated shield at 150 cm
height; mean temperature is output every 5 minutes

AIR038 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Model 43502 compact aspirated shield at 250 cm
height; mean temperature is output every 5 minutes

AIR041 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Model 43502 compact aspirated shield at 350 cm
height; mean temperature is output every 5 minutes

AIR042 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Model 43502 compact aspirated shield at 450 cm
height; mean temperature is output every 5 minutes

AIR043 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Model 43502 compact aspirated shield at 350 cm
height; mean temperature is output every 5 minutes

AIR044 Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a R.M. Young Model 43502 compact aspirated shield at 450 cm
height; mean temperature is output every 5 minutes

AIR101 Mean daily air temperature is calculated as average of max and min readings.
Temperature is recorded on a Cole Parmer hygrothermograph chart at 130 cm
height in cotton shelter; daily chart readings are adjusted weekly using a Belfort
Max-Min Thermometer

AIR102 Mean daily air temperature is calculated as the average of max and min
readings. Temperature is recorded on a Belfort hygrothermograph chart at 130 cm height in cotton shelter; daily chart readings are adjusted weekly using a Belfort Max-Min Thermometer

AIR103 Mean daily air temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 450 cm height

AIR104 Mean daily air temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 50 cm height

AIR205 Mean daily air temperature is calculated from hourly chart readings. Min-max values are based on hourly mean values. 30-day Rustrak strip chart thermistor housed in a standard cotton region shelter at 150 cm height (See method AIR005)

AIR206 Mean daily air temperature is calculated from hourly thermistor readings. Min-max values are based on hourly mean values. Yellow Springs Instrument Company linear thermistor housed in a standard cotton region shelter at 150 cm ht (See method AIR006)

AIR107 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; cotton region shelter; 150 cm height (See method AIR007)

AIR108 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; cotton region shelter; 150 cm height (See method AIR008)

AIR109 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; cotton region shelter; 150 cm height (See method AIR009)

AIR110 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 50 cm height (See method AIR010)

AIR111 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 150 cm height (See method AIR011)

AIR112 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 450 cm height (See method AIR012)

AIR113 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 480 cm height (See method AIR013)

AIR114 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 150 cm height (See method AIR014)

AIR115 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 450 cm height (See method AIR015)

AIR116 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 150 cm height (See method AIR016)

AIR117 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method AIR017)

AIR118 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR018)
Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method AIR019)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 50 cm height (See method AIR020)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 150 cm height (See method AIR021)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 250 cm height (See method AIR022)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 350 cm height (See method AIR023)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 450 cm height (See method AIR024)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 150 cm height (See method AIR025)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 250 cm height (See method AIR026)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 350 cm height (See method AIR027)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 450 cm height (See method AIR028)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 150 cm height (See method AIR029)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 450 cm height (See method AIR030)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 150 cm height (See method AIR031)
Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method AIR031)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; R.M. Young Gill radiation shield; 450 cm height (See method AIR032)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR033)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method AIR034)

Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 150 cm height (See method AIR036)

Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; aspirated shield; 350 cm height (See method AIR038)

Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR034)

Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method AIR035)

Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 150 cm height (See method AIR041)

Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 250 cm height (See method AIR042)

Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 350 cm height (See method AIR043)

Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 450 cm height (See method AIR044)

Mean daily air temperature is post-calculated from all 15 minute mean values
Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; R.M. Young Gill radiation shield; 450 cm height (See method AIR045)

AIR045
Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 5 minutes

AIR046
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 250 cm height; mean temperature is output every 5 minutes

AIR047
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 350 cm height; mean temperature is output every 5 minutes

AIR048
Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 5 minutes

AIR245
Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. HMP45C probe; Gill radiation shield; 150 cm height (See method AIR045)

AIR246
Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; Gill radiation shield; 250 cm height (See method AIR046)

AIR247
Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; Gill radiation shield; 350 cm height (See method AIR047)

AIR248
Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. HMP45C probe; Gill radiation shield; 450 cm height (See method AIR048)

AIR051
Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean, min and max temperature is output every 5 minutes

AIR052
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 350 cm height; mean, min and max temperature is output every 5 minutes

AIR053
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 250 cm height; mean, min and max temperature is output every 5 minutes

AIR054
Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min and max temperature is output every 5 minutes

AIR056
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 150 cm height; mean, min and max temperature is output every 5 minutes

AIR057
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 250 cm height; mean, min and max temperature is output every 5 minutes

AIR058
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 350 cm height; mean, min and max temperature is output every 5 minutes

AIR059
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 450 cm height; mean, min and max temperature is output every 5 minutes

AIR050
Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 450 cm height; mean, min and max temperature is output every 5 minutes

AIR060
Air temperature is sampled by a Campbell Scientific model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min and max temperature is output every 5 minutes

AIR151
Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. Model HMP45C; R.M. Young Gill radiation shield; 450 cm ht (See method AIR051)

AIR152
Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per
Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young Gill radiation shield; 350 cm ht (See method AIR052)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young Gill radiation shield; 250 cm ht (See method AIR053)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. Model HMP45C; R.M. Young Gill radiation shield; 150 cm ht (See method AIR054)

AIR156 Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 150 cm ht (See method AIR056)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 250 cm ht (See method AIR057)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 350 cm ht (See method AIR058)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 450 cm ht (See method AIR059)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HC2S3-L; RM Young Gill radiation shield; 150 cm ht (See method AIR060)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young Gill radiation shield; 450 cm ht (See method AIR050)

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 45 cm height; mean temperature is output every 10 minutes

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 10 minutes

Mean daily air temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm ht (See method AIR061)

Mean daily air temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm ht (See method AIR062)

Enumerated Domain for Attribute: RELHUM_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
A Accepted value has passed all QC tests applied as represented by the quality level
B Sensor buried in snow
S Daily value based on sunrise to sunrise

Enumerated Domain for Attribute: RELHUM_MAX_FLAG
E Estimated value
M Missing value
Q  Questionable value
V  Value spans a range of days (typically a week or less). Value is listed in the first day of this range and subsequent included days are coded 'missing'
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level
B  Sensor buried in snow
F  Daily value based on the maximum 15 minute mean value
H  Daily value based on the maximum hourly mean value

Enumerated Domain for Attribute: RELHUM_MIN_FLAG
E  Estimated value
M  Missing value
Q  Questionable value
V  Value spans a range of days (typically a week or less). Value is listed in the first day of this range and subsequent included days are coded 'missing'
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level
B  Sensor buried in snow
F  Daily value based on the minimum 15 minute mean value
H  Daily value based on the minimum hourly mean value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)

AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower

AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)

AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)

AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)

AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995

DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated

DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated

DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated

DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated

DEWPR101  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated

DEWPR104  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated

DEWPR105  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000

DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated

DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated

DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated

VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated

VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated

VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated

VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated

VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated

VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000

VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated

VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated

VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

LYSCEN01  Snow lysimeter at CENMET, probe no. 01

LYSH1501  Snow lysimeter at H15MET, probe no. 01

LYSUPL01  Snow lysimeter at UPLMET, probe no. 01

PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>Precipitation at CENMET, probe no. 01, stand-alone model</td>
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<td>PPTCEN02</td>
<td>Precipitation at CENMET, probe no. 02, shelter-top model</td>
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<tr>
<td>PPTCS201</td>
<td>Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup</td>
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<tr>
<td>PPTCS201</td>
<td>record not digitized beyond 2012</td>
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<td>PPTH1501</td>
<td>Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent</td>
</tr>
<tr>
<td>PPTH1501</td>
<td>standard rain gauge, discontinued 1992</td>
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<tr>
<td>PPTH1502</td>
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<tr>
<td>PPTPRI01</td>
<td>Precipitation at PRIMET, probe no. 01 at height 100 cm</td>
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<tr>
<td>PPTPRI02</td>
<td>Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies</td>
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<tr>
<td>PPTPRI02</td>
<td>prevent sharing this data; discontinued 2010</td>
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<tr>
<td>PPTUPL01</td>
<td>Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model</td>
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<td>PPTUPL02</td>
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<tr>
<td>PPTVAN01</td>
<td>record ends Feb 1996; discontinued Sep 2001</td>
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<tr>
<td>PPTVAR02</td>
<td>Precipitation at VARMET, probe no. 02, stand-alone model in meadow</td>
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<td>Relative humidity at CENMET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELCEN04</td>
<td>Relative humidity at CENMET, probe no. 04 at height 150 cm</td>
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<td>RELCS201</td>
<td>Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter;</td>
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<td>RELCS201</td>
<td>daily min-max hygrothermograph charts; discontinued 1999</td>
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<td>Relative humidity at CS2MET, probe no. 02 at height 150 cm</td>
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<td>RELH1501</td>
<td>Relative humidity at H15MET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELH1502</td>
<td>Relative humidity at H15MET, probe no. 02 at height 150 cm</td>
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<tr>
<td>RELPRI01</td>
<td>Relative humidity at PRIMET, probe no. 01 at height 450 cm</td>
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<td>RELPRI04</td>
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<td>Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region</td>
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<td>RELPRI05</td>
<td>shelter; discontinued 30 May 2000</td>
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<td>RELUPL01</td>
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<tr>
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<td>RELUPL04</td>
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<td>RELVAN01</td>
<td>Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe</td>
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<td>RELVAN01</td>
<td>was repositioned at 150 cm in summer</td>
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<td>RELVAN04</td>
<td>Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17</td>
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<td>RELVAN04</td>
<td>Oct 2002 to 16 Jun 2004)</td>
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<td>SWCPRI01</td>
<td>Soil water content at PRIMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SWCPRI02</td>
<td>Soil water content at PRIMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
</tr>
</tbody>
</table>
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPPRI05 Soil moisture potential at PRIMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPPRI05 Soil moisture potential at PRIMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPPRI05 Soil moisture potential at PRIMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPPRI05 Soil moisture potential at PRIMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOSEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOSEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOSEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOBRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course
measurement along transect near the station in the clearcut

SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with
aspirated shield

AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain
gauge in meadow

ATMPR101  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected
to sea level

ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected
to sea level

RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm

RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm

WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at
height 1000 cm

WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at
height 1000 cm

PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge

SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow
with snow depth sensor

SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep
2004

SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep
2004

SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep
2004

SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15
Sep 2004

AIRCS08   Air temperature at CENMET, probe no. 08 at height 350 cm on tower with
aspirated shield

AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm

RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm

DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower,
calculated; begins 9 Apr 2015

VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on
tower, calculated; begins 09 Apr 2015; replaces VPDCS202

WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at
height 1000 cm

WNDCEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at
height 1000 cm

RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward
facing, one downward facing) are treated like a limited spectrum, shortwave net
radiometer, probe no. 01 at height 600 cm

SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected
to sea level

WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm
(discontinued 16 Sep 2012)

WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm
(discontinued 27 Jan 2008)

AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINT  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHER  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEAR  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: RELHUM_METHOD
REL004  Relative humidity is sampled by a Campbell Scientific model HMP35C probe housed in a cotton region shelter at 150 cm height; mean relative humidity is output every 60 minutes
REL005  Relative humidity is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; mean
Relative humidity is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; mean relative humidity is output every 60 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; mean relative humidity is output every 60 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; mean relative humidity is output every 60 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; program failure in output of relative humidity values

Relative humidity is sampled by a Campbell Scientific model HMP35C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 60 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 60 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 60 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 15 minutes

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 15 minutes

Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See meth REL015)

Daily minimum and maximum relative humidity is recorded on a Cole Parmer hygrothermograph chart at 130 cm height in cotton region shelter; daily chart readings are adjusted weekly using a sling psychrometer

Daily minimum and maximum relative humidity is recorded on a Belfort hygrothermograph chart at 130 cm height in cotton region shelter; daily chart readings are adjusted weekly using a sling psychrometer

Mean daily relative humidity is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. HMP35C; PVC radiation shield; 450 cm height

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model HMP35C; cotton region shelter; 150 cm height (See method REL004)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 150 cm height (See method REL005)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 150 cm height (See method REL006)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 150 cm height (See method REL007)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method REL008)

Mean daily relative humidity is not output; program failure of the Campbell
Scientific datalogger. Model HMP45C; PVC radiation shield; 450 cm height (See method REL009)

REL110 Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL010)

REL111 Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL011)

REL311 Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL011)

REL112 Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL012)

REL312 Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL012)

REL113 Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 480 cm height (See method REL013)

REL211 Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL011)

REL314 Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL014)

REL315 Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL015)

REL212 Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL012)

REL214 Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL014)

REL016 Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 5 minutes

REL017 Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 5 minutes

REL216 Mean daily relative humidity is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL016)

REL217 Mean daily relative humidity is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL017)

REL020 Relative humidity is sampled by a Campbell Scientific model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 5 minutes

REL220 Mean daily relative humidity is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model HC2S3-L; R.M. Young Gill radiation shield; 150 cm ht (See method REL020)
Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 10 minutes.

Mean daily relative humidity is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm ht (See method REL021)

Mean daily relative humidity is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm ht (See method REL022)

Enumerated Domain for Attribute: PRECIP_TOT_FLAG
- Snowbridging or snow capping of gage
- Estimated (usually based on recording chart backup or nearby stations)
- Missing value
- Questionable value
- Undercatch due to leakage or evaporation
- Accepted value has passed all QC tests applied as represented by the quality level
- Cumulative estimate of total precipitation since last recorded precipitation value - includes large increases evident when snow cap melts and falls into tank

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPR01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPR04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPR05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUP01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUP04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCCN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VARMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm

WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm

WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm

PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge

SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor

SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004

SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004

SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004

SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004

AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield

AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm

RELC203   Relative humidity at CS2MET, probe no. 03 at height 150 cm

DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015

VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202

WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm

WNDCE02   Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm

RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm

SOIWS01   Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS02   Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS03   Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS04   Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS01   Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level

WNDWS01   Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS03   Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)

WNDWS04   Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)

AIRWS01   Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS02   Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

AIRWS03   Air temperature at WS7MET, probe no. 03 at height 250 cm on tower

AIRWS04   Air temperature at WS7MET, probe no. 04 at height 150 cm on tower

AIRWS08   Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield

RELWS01   Relative humidity at WS7MET, probe no. 01 at height 450 cm

RELWS04   Relative humidity at WS7MET, probe no. 01 at height 150 cm

DEWWS01   Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>DEWWS704</td>
<td>Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS701</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS704</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>SNOWS701</td>
<td>Snow depth at WS7MET, probe no. 01, snow depth sensor at south site</td>
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<tr>
<td>SNOWS702</td>
<td>Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)</td>
</tr>
</tbody>
</table>

Enumerated Domain for Attribute: DBCODE
- MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
- INSREM Sensor is installed or removed
- LOGGER Change in data logger, data logger program, or wiring
- METHOD Change in data collection method
- NA No event is reported (not applicable)
- QUALTY Event may directly affect data quality
- MAINTIE A maintenance event has occurred
- INTPRO Internal processing may produce an anomalous reading
- WEATHR A weather event has occurred that may affect reading
- CALIBR Associated with the inspection or replacement of sensors for calibration
- CLEARD Site clearing of trees and brush around the meteorological station is being conducted
- BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
- 1P Data is provisional and subject to revision - preliminary quality checks have been performed
- 1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
- 2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
- 2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
- 1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: PRECIP_METHOD
- PPT115 Daily precipitation represents the total from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height and surrounded by a Valdai-style double wind fence; Campbell Scientific datalogger
- PPT101 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a Universal Recording rain and snow gage with chart recorder at height 260 cm
- PPT118 Daily precipitation represents the total from an ETI Instruments Noah IV weighing-type precipitation gauge with 8-inch orifice at height 250 cm
- PPT102 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a Leupold-Stevens Q-12 snow-rain gage and chart recorder at height 550 cm
- PPT103 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a propand-heated Qualimetrics (Weather Measure) Weathertronics Model 6041 tipping bucket 8-inch gage with punch
PPT104 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 550 cm with a Stevens Type A-35 water level recorder; 15 min output

PPT119 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 550 cm with a Stevens Type A-35 water level recorder; daily only

PPT105 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 410 cm with a Stevens Type A-35 water level recorder; 15 min output

PPT106 Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 410 cm with pressure transducer water level recorder and CS datalogger

PPT113 Daily precipitation represents the total from a heated 8-inch shelter-top collector with alter wind shield at height 410 cm with pressure transducer water level recorder and Campbell Scientific datalogger

PPT107 Daily precipitation represents the total from a Texas Electronics TE525 tipping bucket 6” raingage located on 1 meter high platform with a Campbell Scientific data logger (or Interface Instrument datalogger before 1988)

PPT108 Daily precipitation represents the total from a Texas Electronics TE525 tipping bucket 6” raingage located on 1 meter high platform with a Campbell Scientific data logger

PPT114 Daily precipitation represents the total from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height and surrounded by a Valdai-style double wind fence; Campbell datalogger; daily output only

PPT116 Daily precipitation represents the total from a shelter-top heated rain gage with 13.3-inch orifice, tank gage, and alter wind shield at 625 cm; Campbell Scientific datalogger

PPT109 Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger; daily output only

PPT110 Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger; hourly output

PPT111 Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger; 5 minute output

PPT112 Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 305 cm; Campbell Scientific data logger; 5 minute output

PPT117 Daily precipitation represents the total from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height in a clearing and surrounded by a natural tree wind break; Campbell Scientific datalogger

PPT015 Total precipitation is sampled every 5 minutes from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height and surrounded by a Valdai-style double wind fence; Campbell Scientific datalogger

PPT001 Total precipitation is digitized with 15 minute resolution from a Universal Recording rain and snow gauge with chart recorder at height 260 cm and prorated to the weekly total from an 8-inch Standard Rain Gauge

PPT018 Total precipitation is sampled every 15 minutes from an ETI Instruments Noah IV weighing-type precipitation gauge with 8-inch orifice at height 250 cm

PPT004 Total precipitation is digitized with 15 minute resolution from a heated 8-inch shelter-top orifice with alter wind shield at height 550 cm with a Stevens Type A-35 water level recorder chart; prorated to periodic totals from an 8-inch Standard Rain Gage

PPT005 Total precipitation is digitized with 15 minute resolution from a heated 8-inch shelter-top orifice with alter wind shield at height 410 cm with a Stevens Type A-35 water level recorder chart; prorated to periodic totals from an 8-inch Standard Rain Gage
PPT013 Total precipitation is sampled every 5 minutes from a heated 8-inch shelter-top collector with alter wind shield at height 410 cm with pressure transducer water level recorder and Campbell Scientific datalogger

PPT007 Total precipitation is sampled hourly from a Texas Electronics TE525 tipping bucket 6" raingage located on 1 meter high platform with a Campbell Scientific data logger (or Interface Instrument datalogger before 1988)

PPT008 Total precipitation is sampled every 5 minutes from a Texas Electronics TE525 tipping bucket 6" raingage located on 1 meter high platform with a Campbell Scientific data logger

PPT016 Total precipitation is sampled every 5 minutes from a shelter-top heated rain gage with 13.3-inch orifice, tank gage, and alter wind shield at 625 cm; Campbell Scientific data logger

PPT010 Total precipitation is sampled hourly from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger

PPT011 Total precipitation is sampled every 5 minutes from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 305 cm; Campbell Scientific data logger

PPT012 Total precipitation is sampled every 5 minutes from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger

PPT017 Total precipitation is sampled every 5 minutes from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height in a clearing and surrounded by a natural tree wind break; Campbell datalogger

PPT020 Total precipitation is sampled every 5 minutes from a heated 8-inch shelter-top collector with alter wind shield at height 410 cm with a Stevens Instruments Position Analog Transmitter (PAT) water level shaft encoder and Campbell Scientific datalogger

PPT120 Daily precipitation represents the total from a heated 8-inch shelter-top collector with alter wind shield at ht. 410 cm with Stevens Instruments Position Analog Transmitter (PAT) water level shaft encoder and Campbell Sci. datalogger (See method PPT020)

Enumerated Domain for Attribute: WSPD_PRO_MEAN_FLAG

E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe
B Wind speed measurement is below or equal to the instrument detection limit of 1 m per second
N Wind speed measurement is below or equal to 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
EB Estimated value is determined to be below the instrument detection limit of 1 m per second
QB Questionable value is also below the instrument detection limit of 1 m per second
SB Daily value is based on a sunrise to sunrise timeframe and is also below the instrument detection limit of 1 m per second
FB Sensor most likely frozen - value is not reliable and is also below the instrument detection limit of 1 m per second
EN Estimated value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
FN Sensor most likely frozen and value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
QN Questionable value that is also below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
SN Daily value is based on a sunrise to sunrise timeframe and is also below 0.3 m per second, which is not considered reliable and is below the instrument detection limit of 1 m per second

Enumerated Domain for Attribute: WSPD_ROSE5_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe

Enumerated Domain for Attribute: WSPD_ROSE6_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe

Enumerated Domain for Attribute: WSPD_ROSE7_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe

Enumerated Domain for Attribute: WSPD_ROSE8_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe

Enumerated Domain for Attribute: WSPD_PRO_MAX_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A  Accepted value has passed all QC tests applied as represented by the quality level
S  Daily value is based on a sunrise to sunrise timeframe

B  Maximum daily wind speed measurement is below the detection limit of 1 m per second
FB Sensor most likely frozen - value is not reliable and is also below the instrument detection limit of 1 m per second
FN Sensor most likely frozen - value is not reliable and is also below the instrument detection limit of 1 m per second
QB Questionable value is also below the instrument detection limit of 1 m per second
QN Questionable value that is also below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
SN Daily value is based on a sunrise to sunrise timeframe and is also below 0.3 m per second, which is not considered reliable and is below the instrument detection limit of 1 m per second
N  Wind measurement is below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second

Enumerated Domain for Attribute: WMAG_PRO_MEAN_FLAG

E  Estimated value
M  Missing value
Q  Questionable value
F  Sensor most likely frozen and value is not reliable
A  Accepted value has passed all QC tests applied as represented by the quality level
S  Daily value is based on a sunrise to sunrise timeframe
B  Wind magnitude measurement is below or equal to the instrument detection limit of 1 m per second
EB Estimated value is determined to be below the instrument detection limit of 1 m per second
EN Estimated value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
FB Sensor most likely frozen - value is not reliable and is also below the instrument detection limit of 1 m per second
FN Sensor most likely frozen and value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
QB Questionable value is also below the instrument detection limit of 1 m per second
SN Daily value is based on a sunrise to sunrise timeframe and is also below 0.3 m per second, which is not considered reliable and is below the instrument detection limit of 1 m per second
N  Wind magnitude is below or equal to 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
R  Daily value is post-calculated from the fine resolution output (5, 15, or 60 minute data) and not from the 15 second instantaneous datalogger values
RB Daily value is post-calculated from the fine resolution output (5, 15, or 60 minute data) and not from the 15 second instantaneous datalogger values and is also below the instrument detection limit of 1 m per second
RN Daily value is post-calculated from the fine resolution output (5, 15, or 60 minute data) and not from the 15 second instantaneous datalogger values and is also below 0.3 m per second, which is not considered reliable

Enumerated Domain for Attribute: WDIR_PRO_MEAN_FLAG
E Estimated value  
M Missing value  
Q Questionable value  
F Sensor most likely frozen and value is not reliable  
A Accepted value has passed all QC tests applied as represented by the quality level  
S Daily value is based on a sunrise to sunrise timeframe  
B Wind speed measurement is less than or equal to 0.1 m per second and wind direction is not considered reliable  
U Wind direction is undefined when wind speed measurement is zero  

Enumerated Domain for Attribute: WDIR_PRO_STDDEV_FLAG  
E Estimated value  
M Missing value  
Q Questionable value  
F Sensor most likely frozen and value is not reliable  
A Accepted value has passed all QC tests applied as represented by the quality level  
S Daily value is based on a sunrise to sunrise timeframe  
B Wind speed measurement is less than or equal to 0.1 m per second and standard deviation of mean wind vector is not considered reliable  
U Wind direction is undefined when wind speed measurement is zero  

Enumerated Domain for Attribute: WSPD_ROSE1_MEAN_FLAG  
E Estimated value  
M Missing value  
Q Questionable value  
F Sensor most likely frozen and value is not reliable  
A Accepted value has passed all QC tests applied as represented by the quality level  
S Daily value is based on a sunrise to sunrise timeframe  

Enumerated Domain for Attribute: WSPD_ROSE2_MEAN_FLAG  
E Estimated value  
M Missing value  
Q Questionable value  
F Sensor most likely frozen and value is not reliable  
A Accepted value has passed all QC tests applied as represented by the quality level  
S Daily value is based on a sunrise to sunrise timeframe  

Enumerated Domain for Attribute: WSPD_ROSE3_MEAN_FLAG  
E Estimated value  
M Missing value
Q  Questionable value
F  Sensor most likely frozen and value is not reliable
A  Accepted value has passed all QC tests applied as represented by the quality level
S  Daily value is based on a sunrise to sunrise timeframe

Enumerated Domain for Attribute: WSPD_ROSE4_MEAN_FLAG
E  Estimated value
M  Missing value
Q  Questionable value
F  Sensor most likely frozen and value is not reliable
A  Accepted value has passed all QC tests applied as represented by the quality level
S  Daily value is based on a sunrise to sunrise timeframe

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04 Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202 Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501 Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502 Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPR101 Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPR104 Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPR105 Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDHH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDHH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
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<th>Code</th>
<th>Description</th>
<th>Discontinued Date</th>
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<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002</td>
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<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002</td>
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<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002</td>
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<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002</td>
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<td>SPPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000</td>
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<td>SPPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000</td>
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<td>SPPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000</td>
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<td>SPPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000</td>
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<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001</td>
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<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001</td>
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<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001</td>
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<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001</td>
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<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001</td>
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<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001</td>
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<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001</td>
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<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001</td>
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<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
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<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station</td>
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<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor</td>
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<td>SNOUPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
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<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station</td>
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<tr>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
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<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
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<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
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<td>SOICEN04</td>
<td>Soil temperature at CENMET, probe no. 04 at depth 100 cm</td>
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<td>SOIPRI01</td>
<td>Soil temperature at PRIMET, probe no. 01 at depth 10 cm</td>
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<td>SOIPRI02</td>
<td>Soil temperature at PRIMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOIPRI03</td>
<td>Soil temperature at PRIMET, probe no. 03 at depth 50 cm</td>
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SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDWS702 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site
(discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: WIND_METHOD
WND001 Windspeed is measured with cup-type anemometer and event marker on Rustrak strip (marks every .322 km of air movement) at 500 cm ht. Mean wind speed is output hourly with Interface Instrument logger. Daily max-mins are hourly means. No wind direction.
WND002 Wind speed and direction are not measured for this 4 year period
WND003 Wind speed sensors are R.M. Young 3-cup anemometer (#6101) tachometer generators mounted on a tower at height 1200 cm. Mean wind speed is output hourly. No wind direction recorded. Datalogger is Interface Instrument M-4. Daily max-mins are hourly means.
WND004 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1200 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.
WND005 Wind speed and direction are sampled by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed is calculated and output on a sunrise to sunrise basis. Detection level 1 m/sec.
WND006 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.
WND007 Wind speed and direction are sampled every 15 seconds by a RM Young Model
05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND008 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND101 Mean daily windspeed is summarized from hourly means recorded by the Rustrak strip chart. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is measured. Cup-type anemometer; 500 cm (See method WND001)

WND102 Mean daily wind speed and direction are not measured for this 4 year period

WND103 Mean daily windspeed is summarized from hourly means. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is recorded. RM Young 3-cup anemometer; 1200 cm (See method WND003)

WND104 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1200 cm (See method WND004)

WND105 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger on a sunrise to sunrise basis based on 15 second samples. Max-min values are based on instantaneous 15 second readings. (See method WND005)

WND106 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 600 cm (See method WND006)

WND107 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND007)

WND108 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1000 cm (See method WND008)

WND009 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 15 minutes. Detection level 1 m/sec.

WND010 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 5 minutes. Detection level 1 m/sec.

WND011 Wind speed (mean, max), direction, x-y wind components, instr. air temp and std deviations are sampled every 15 seconds by a Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with Campbell Scientific datalogger output every 5 minutes

WND111 Mean daily wind speed, direction, x-y wind components, instrument air temp and std deviations are post-calculated from 5 minute values; Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with Campbell Scientific datalogger (WND011)

WND110 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 5 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Sci

WND012 Wind speed, direction, x-y wind components, instrument air temp and std deviations are sampled every 15 seconds by a Vaisailla WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with a Campbell Scientific datalogger output every 5 minutes

WND112 Mean and maximum instantaneous daily wind speed, direction and standard deviation are post-calculated from 5 minute values; Vaisailla WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with Campbell Scientific datalogger (See method WND012)

WND013 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 150 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes.
Detection level 1 m/sec.

WND014 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 450 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND015 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND113 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 150 cm height; Campbell Sci datalogger (See method WND013)

WND114 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 450 cm height; Campbell Sci datalogger (See method WND014)

WND115 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Sci datalogger (See method WND015)

WND109 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND009)

Enumerated Domain for Attribute: SOLAR_TOT_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: SOLAR_MAX_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value
F Daily maximum rate based on the maximum 15 minute mean value and not an instantaneous rate

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>AIRPRI02</td>
<td>Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)</td>
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<tr>
<td>AIRPRI03</td>
<td>Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)</td>
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<tr>
<td>AIRPRI04</td>
<td>Air temperature at PRIMET, probe no. 04 at height 150 cm on tower</td>
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<tr>
<td>AIRPRI05</td>
<td>Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004</td>
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VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated

VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

LYSCEN01 Snow lysimeter at CENMET, probe no. 01

LYSH1501 Snow lysimeter at H15MET, probe no. 01

LYSUPL01 Snow lysimeter at UPLMET, probe no. 01

PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm

PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model

PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model

PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012

PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992

PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm

PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm

PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010

PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model

PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model

PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001

PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow

RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm

RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm

RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999

RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm

RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm

RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm

RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm

RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm

RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000

RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm

RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)

RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer

RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)

SWCPRIO1 Soil water content at PRIMET, probe no. 01 at depth 10 cm

SWCPRIO2 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued
          13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued
          13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued
          13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued
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SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued
          23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued
          23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued
          23 May 2000
SMPPRI04  Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued
          23 May 2000
SMPPUPL01  Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued
            18 Oct 2001
SMPPUPL02  Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued
            18 Oct 2001
SMPPUPL03  Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued
            18 Oct 2001
SMPPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued
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SMPPVAN01  Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9
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SMPPVAN02  Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9
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SMPPVAN04  Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued
            9 Sep 2001
SMPPVAN05  Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9
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SNOCEN01  Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with
          snow depth sensor
SNOCEN02  Snow water equivalence and depth at CENMET, probe no. 02, snow depth and
          calculated snow water around snow pillow
SNOCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow
course measurement along transect near the station

SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
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SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDACEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
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WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTEN A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified
such that data gaps may be filled or problem data may be removed

2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A

1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOLAR_METHOD

RAD001 Solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; total solar radiation is output every 60 minutes

RAD002 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 100 cm height; total solar radiation is output every 60 minutes

RAD003 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 500 cm height; total solar radiation is output every 60 minutes

RAD004 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 60 minutes

RAD005 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 60 minutes

RAD006 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 15 minutes

RAD007 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 15 minutes

RAD008 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 15 minutes

RAD009 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 15 minutes

RAD010 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes

RAD011 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; total solar radiation is output every 15 minutes

RAD012 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; total solar radiation is output every 15 minutes

RAD013 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes

RAD101 Total daily solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; maximum daily solar radiation is based on a highest mean hourly rate over the day

RAD102 Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 100 cm height; maximum daily solar radiation is based on a highest mean hourly rate over the day

RAD103 Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 500 cm height; maximum daily solar radiation is based on a highest mean hourly rate over the day

RAD104 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD004)

RAD105 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD005)

RAD106 Total daily solar radiation is measured by a Kipp and Zonen pyranometer
sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD006)

RAD107 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD007)

RAD108 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD009)

RAD109 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD010)

RAD110 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD011)

RAD111 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 615 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD012)

RAD112 Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 625 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD013)

RAD014 Net radiation components are measured by the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger attached to the tower at 600 cm height; values are output every 5 minutes

RAD114 Daily net radiation components are post-calculated from 5 minute data output from the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger; 600 cm height (see Method RAD014)

RAD015 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; mean, total, and maximum solar radiation is output every 5 minutes

RAD016 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 100 cm height; mean and total solar radiation is output every 5 minutes

RAD017 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; mean and total solar radiation is output every 5 minutes

RAD215 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 625 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD015)

RAD216 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 850 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD016)

RAD217 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 100 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD017)

RAD018 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 5 minutes

RAD019 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 10 minutes

RAD020 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one
upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 15 minutes

RAD118 Mean daily incoming and outgoing shortwave radiation are post-calculated from 5 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD018)

RAD119 Mean daily incoming and outgoing shortwave radiation are post-calculated from 10 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD019)

RAD120 Mean daily incoming and outgoing shortwave radiation are post-calculated from 15 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD020)

RAD021 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; mean, total, and maximum solar radiation is output every 5 minutes

RAD221 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 615 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD021)

Enumerated Domain for Attribute: SOLAR_MEAN_FLAG
E Estimated value
A Accepted value has passed all QC tests applied as represented by the quality level
Q Questionable value
M Missing value

Enumerated Domain for Attribute: SOILMP_MEAN_FLAG
+ Exceeds sensor calibration range at 15 negative bars
A Accepted value has passed all QC tests applied as represented by the quality level
M Missing value
Q Questionable value
S Daily value based on sunrise to sunrise

Enumerated Domain for Attribute: SOILMP_MAX_FLAG
+ Exceeds sensor calibration range at 15 negative bars
A Accepted value has passed all QC tests applied as represented by the quality level
M Missing value
Q Questionable value
S Daily value based on sunrise to sunrise

Enumerated Domain for Attribute: SOILMP_MIN_FLAG
+ Exceeds sensor calibration range at 15 negative bars
A Accepted value has passed all QC tests applied as represented by the quality level
M Missing value
Q Questionable value
S Daily value based on sunrise to sunrise

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower
tower, calculated

VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04  Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01  Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02  Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03  Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued
18 Oct 2001

SMPVAN01  Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02  Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03  Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04  Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05  Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01  Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02  Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01  Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01  Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02  Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03  Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01  Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02  Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03  Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no.
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on
tower, calculated; begins 09 Apr 2015; replaces VPDCS202

WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCE702 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
  1P  Data is provisional and subject to revision - preliminary quality checks have been performed
  1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
  2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
  2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
  1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOILMP_METHOD
  SMP001  Soil moisture potential is sampled by a Campbell Scientific model 223 gypsum soil moisture block at 10 cm depth; mean soil moisture potential in bars is output every 60 minutes
  SMP002  Soil moisture potential is sampled by a Campbell Scientific model 223 gypsum soil moisture block at 20 cm depth; mean soil moisture potential in bars is output every 60 minutes
  SMP005  Soil moisture potential is sampled by a Campbell Scientific model 223 gypsum soil moisture block at 30 cm depth; mean soil moisture potential in bars is output every 60 minutes
  SMP101  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 10cm depth (See Method SMP001)
  SMP102  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 20cm depth (See Method SMP002)
  SMP103  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 50cm depth
  SMP104  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 100 cm depth
  SMP105  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 30 cm depth (See Method SMP005)
  SMP106  No daily soil moisture potential is recorded or calculated during this period

Enumerated Domain for Attribute: DEWPT_MEAN_FLAG
  E  Estimated value
  M  Missing
  A  Accepted value has passed all QC tests applied as represented by the quality level
  Q  Questionable
  B  Sensor buried in snow
Enumerated Domain for Attribute: DEWPT_MAX_FLAG
E Estimated value
M Missing
A Accepted value has passed all QC tests applied as represented by the quality level
Q Questionable
B Sensor buried in snow
F Daily value based on the maximum 15 minute mean value
H Daily value based on the maximum hourly mean value

Enumerated Domain for Attribute: DEWPT_MIN_FLAG
E Estimated value
M Missing
A Accepted value has passed all QC tests applied as represented by the quality level
Q Questionable
B Sensor buried in snow
F Daily value based on the minimum 15 minute mean value
H Daily value based on the minimum hourly mean value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 to 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 to 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated; direct measurement before Jul 1988; discontinued 2000
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; direct measurement before Jul 1988; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated; direct measurement before Jul 1988; discontinued May 2000
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model

PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012

PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992

PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm

PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm

PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010

PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model

PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model

PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001

PPTVAN02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow

RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm

RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm

RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999

RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm

RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm

RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm

RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm

RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm

RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000

RELUPI01 Relative humidity at UPLMET, probe no. 01 at height 450 cm

RELUPI04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)

RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer

RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)

SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm

SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm

SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm

SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm

SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm

SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm

SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm

SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm

SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm

SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm

SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
<table>
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<th>Description</th>
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<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
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<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
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<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
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<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued</td>
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<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued</td>
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<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued</td>
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<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
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<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
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<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued</td>
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<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
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<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued</td>
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<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued</td>
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<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
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<tr>
<td>SNOCE01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with</td>
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<td>snow depth sensor</td>
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<td>SNOCE02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and</td>
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<td>calculated snow water around snow pillow</td>
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<td>SNOCE03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow</td>
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<td>course measurement along transect near the station</td>
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<td>SNOPRI01</td>
<td>Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with</td>
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<td>snow depth sensor</td>
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<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with</td>
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<td>SNOUPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and</td>
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<td>calculated snow water around snow pillow</td>
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<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow</td>
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<tr>
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<td>course measurement along transect near the station</td>
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<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with</td>
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<td>snow depth sensor</td>
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<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and</td>
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<td>calculated snow water around snow pillow in clearcut</td>
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<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course</td>
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<tr>
<td></td>
<td>measurement along transect near the station in the clearcut</td>
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<tr>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
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<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
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</tbody>
</table>
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDNCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected
to sea level

RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRC1803  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDWS701  Wind speed and direction using sonic anemometer at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701   Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704   Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701   Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702   Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001   FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM   Sensor is installed or removed
LOGGER   Change in data logger, data logger program, or wiring
METHOD   Change in data collection method
NA       No event is reported (not applicable)
QUALTY   Event may directly affect data quality
MAINTE   A maintenance event has occurred
INTPRO   Internal processing may produce an anomalous reading
WEATHR   A weather event has occurred that may affect reading
CALIBR   Associated with the inspection or replacement of sensors for calibration
CLEARD   Site clearing of trees and brush around the meteorological station is being conducted
BURNED   Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P       Data is provisional and subject to revision - preliminary quality checks have been performed
1A       Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A       Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D       Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D       Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: DEWPT_METHOD
DEW001   Dewpoint temperature is measured with a heated lithium-chloride dewpoint sensor at 100 cm height and recorded continuously on a separate 30-day Rustrak strip chart; the mean is output every 60 minutes
DEW002   Dewpoint temperature is measured indirectly by a heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 150 cm height; the mean is output every 60 minutes
DEW003   Dewpoint temperature is measured indirectly by a heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 100 cm height; the mean is output every 60 minutes
DEW004   Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe
housed in a cotton region shelter at 150 cm height; the mean is output every 60 minutes

DEW005 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes

DEW006 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes

DEW007 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 480 cm height; the mean is output every 60 minutes

DEW008 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes

DEW009 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes

DEW010 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 60 minutes

DEW011 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 60 minutes

DEW012 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 15 minutes

DEW014 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C; cotton region shelter; 150 cm (DEW004)

DEW015 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C; PVC radiation shield; 150 cm (DEW005)

DEW201 Mean daily dew point temperature is calculated from hourly chart readings. Min-max values are based on hourly mean values. Heated lithium-chloride dewpoint sensor at 100 cm height records continuously on 30-day Rustrak strip chart; mean output 60 minutes

DEW202 Mean daily dew point temperature is calculated from hourly means. Min-max values are based on hourly mean values. Heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 150 cm height; mean is output every 60 minutes

DEW203 Mean daily dew point temperature is calculated from hourly means. Min-max values are based on hourly mean values. Heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 100 cm height; mean is output every 60 minutes

DEW104 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; cotton region shelter; 150 cm (DEW004)

DEW105 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; PVC radiation shield; 150 cm (DEW005)

DEW106 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; PVC radiation shield; 450 cm (DEW006)

DEW107 Mean daily dew point temperature is calculated by the Campbell Scientific
DEW108 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; PVC radiation shield; 480 cm (DEW007)

DEW109 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 150 cm (DEW008)

DEW110 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; RM Young Gill shield; 450 cm (DEW010)

DEW111 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 150 cm (DEW011)

DEW112 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (DEW012)

DEW114 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 150 cm (DEW014)

DEW115 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (DEW015)

DEW311 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (DEW011)

DEW312 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 450 cm (DEW012)

DEW314 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (method DEW014)

DEW315 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 450 cm (method DEW015)

DEW211 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method DEW011)

DEW212 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method DEW012)

DEW214 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method DEW014)

DEW215 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method DEW015)

DEW016 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 5 minutes
DEW017 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 5 minutes.

DEW216 Mean daily dew point temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm height (See method DEW016).

DEW217 Mean daily dew point temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm height (See method DEW017).

DEW018 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min

DEW019 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean, min

DEW020 Dew point temperature is sampled by a Campbell Scientific model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min and max dew point temperature is output every 5 minutes.

DEW118 Mean daily dew point temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HMP45C; RM Young Gill shield; 150 cm height (See method DEW018).

DEW119 Mean daily dew point temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HMP45C; RM Young Gill shield; 450 cm height (See method DEW019).

DEW120 Mean daily dew point temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HC2S3-L; RM Young Gill shield; 150 cm height (See method DEW020).

Enumerated Domain for Attribute: VPD_MEAN_FLAG
E Estimated value
M Missing
Q Questionable
A Accepted value has passed all QC tests applied as represented by the quality level
B Sensor buried in snow

Enumerated Domain for Attribute: VPD_MAX_FLAG
E Estimated value
M Missing
Q Questionable
A Accepted value has passed all QC tests applied as represented by the quality level
B Sensor buried in snow
F Daily value based on the maximum 15 minute mean value
H Daily value based on the maximum hourly mean value

Enumerated Domain for Attribute: VPD_MIN_FLAG
E Estimated value
M Missing
Q Questionable
A  Accepted value has passed all QC tests applied as represented by the quality level
B  Sensor buried in snow
F  Daily value based on the minimum 15 minute mean value
H  Daily value based on the minimum hourly mean value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501  Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502  Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02  Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUIPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUIPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued
<table>
<thead>
<tr>
<th>Date</th>
<th>Code</th>
<th>Measurement Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 May 2000</td>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td></td>
<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td></td>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td></td>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td></td>
<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>18 Oct 2001</td>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td></td>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td></td>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td></td>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>9 Sep 2001</td>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
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<tr>
<td></td>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td></td>
<td>SNOUPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
</tr>
<tr>
<td></td>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station</td>
</tr>
<tr>
<td></td>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor</td>
</tr>
<tr>
<td></td>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut</td>
</tr>
<tr>
<td></td>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut</td>
</tr>
<tr>
<td></td>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td></td>
<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td></td>
<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td></td>
<td>SOICEN04</td>
<td>Soil temperature at CENMET, probe no. 04 at depth 100 cm</td>
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<td></td>
<td>SOIPRI01</td>
<td>Soil temperature at PRIMET, probe no. 01 at depth 10 cm</td>
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<td></td>
<td>SOIPRI02</td>
<td>Soil temperature at PRIMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td></td>
<td>SOIPRI03</td>
<td>Soil temperature at PRIMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td></td>
<td>SOIPRI04</td>
<td>Soil temperature at PRIMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td></td>
<td>SOIUPL01</td>
<td>Soil temperature at UPLMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td></td>
<td>SOIUPL02</td>
<td>Soil temperature at UPLMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td></td>
<td>SOIUPL03</td>
<td>Soil temperature at UPLMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td></td>
<td>SOIUPL04</td>
<td>Soil temperature at UPLMET, probe no. 04 at depth 100 cm</td>
</tr>
</tbody>
</table>
|              | SOIVAN01      | Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29
July 2007

SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEEW5701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEEW5704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001  FSDP Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHER  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: VPD_METHOD
VPD001  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a cotton region shelter at 150 cm height; the mean is output every 60 minutes
VPD002  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes
VPD003  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes
VPD004  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes
VPD005  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes
VPD006  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 60 minutes
VPD007  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 60 minutes
VPD008  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 60 minutes
VPD009  Vapor pressure deficit is calculated from air temperature and relative humidity...
sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 15 minutes

VPD10
Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 15 minutes

VPD101
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; cotton region shelter; 150 cm (VPD001)

VPD102
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; PVC radiation shield; 150 cm (VPD002)

VPD103
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; PVC radiation shield; 450 cm (VPD003)

VPD104
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 150 cm (VPD004)

VPD105
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 450 cm (VPD005)

VPD106
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 150 cm (VPD006)

VPD107
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 450 cm (VPD007)

VPD108
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 150 cm (VPD008)

VPD109
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 450 cm (VPD009)

VPD110
Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 150 cm (VPD010)

VPD207
Mean daily vapor pressure deficit is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD007)

VPD307
Mean daily vapor pressure deficit is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD007)

VPD208
Mean daily vapor pressure deficit is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD008)

VPD308
Mean daily vapor pressure deficit is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD008)

VPD209
Mean daily vapor pressure deficit is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD009)
Mean daily vapor pressure deficit is post-calculated from all 15 minute mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (method VPD009)

Mean daily vapor pressure deficit is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD010)

Mean daily vapor pressure deficit is post-calculated from all 15 minute mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 450 cm (method VPD010)

Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 5 minutes

Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 5 minutes

Mean daily vapor pressure deficit is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD011)

Mean daily vapor pressure deficit is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD012)

Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean air temp and rh values for the day. Max-min values are based on 5 minute means not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD013)

Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean air temp and rh values for the day. Max-min values are based on 5 minute means not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD014)

Mean daily vapor pressure deficit and vp are post-calculated from all 15 minute mean air temp and rh values for the day. Max-min values are based on 15 minute means not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD016)

Mean daily vapor pressure deficit and vp are post-calculated from all 15 minute mean air temp and rh values for the day. Max-min values are based on 15 minute means not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD017)

Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; VPD, VP, SatVP means are output at 5 minute resolution

Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; VPD, VP, SatVP means are output at 5 minute resolution

Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; VPD, VP, SatVP means are output at 5 minute resolution

Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 450 cm height; VPD, VP, SatVP means are output at 5 minute resolution
minute resolution

Enumerated Domain for Attribute: VAP_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing
Q  Questionable
B  Sensor buried in snow

Enumerated Domain for Attribute: VAP_MAX_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing
Q  Questionable
H  Daily value based on the maximum hourly mean value

Enumerated Domain for Attribute: VAP_MIN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing
Q  Questionable
H  Daily value based on the minimum hourly mean value

Enumerated Domain for Attribute: SNOWMELT_TOT_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing
Q  Questionable
U  Snow lysimeter is undercatching snowmelt

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02 Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03 Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04 Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05 Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04 Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202 Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501 Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502 Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01 Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04 Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05 Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in
cotton region shelter, calculated; discontinued May 2000

VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELSCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPR101 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCE01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCE02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and
calculated snow water around snow pillow

SNOCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station

SNOPRI01  Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor

SNOUPL01  Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor

SNOUPL02  Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow

SNOUPL03  Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station

SNOVAN01  Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor

SNOVAN02  Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut

SNOVAN03  Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut

SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm

SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm

SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm

SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm

SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm

SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm

SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm

SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm

SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm

SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm

SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm

SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm

SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007

SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007

SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007

SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007

SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994

RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm

RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm

RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm

RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm

WNDUCN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm

WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm

WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm

WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCCEN02 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier
flags.

2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed

2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A

1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SNOWMELT_METHOD

LYS001 Snow/rain water runoff is measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12". An A-35 chart recorder marks each tip on the chart and the number of tips are compiled every 15 minutes.

LYS002 Snow/rain water runoff is measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12". A Campbell data logger records each tip and outputs the number of tips every 5 minutes.

LYS101 Total daily snow/rain water runoff is post-calculated from the number of tips measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12" with an A-35 chart recorder (See Method LYS001).

LYS102 Total daily snow/rain water runoff is post-calculated from the number of tips measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12" with a Campbell Scientific data logger (See Method LYS002).

Enumerated Domain for Attribute: PROBE_CODE

AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower

AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)

AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)

AIRCIR04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower

AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999

AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm

AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm

AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm

AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower

AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)

AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)

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AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)

AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)

AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)

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SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
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SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
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SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOWVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCS08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCE02 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS01 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS02 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS03 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS04 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on
tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on
tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site
(discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTENANCE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHEAR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being
conducte
BURNED  Burning of cleared trees and brush debris around the meteorological station is in
progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have
been performed
1A  Data is published and unlikely to change - automated range checking and
manual review has been conducted. Quality is indicated in data value qualifier
flags.
2A  Data is published and unlikely to change - Level 1A data has been modified
such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from
published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from
published data of level 1A

Enumerated Domain for Attribute: SNOW_METHOD
SNO001  Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow with Druck pressure transducer and instantaneous values are output at
sunrise, sunset and midnight; no snow depth is recorded
SNO002  Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow with Druck pressure transducer and instantaneous values are output
hourly; no snow depth is recorded
SNO003  Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow with Druck pressure transducer and instantaneous values are recorded
every 5 minutes with median values output hourly; no snow depth is recorded
SNO004  Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with a CS SR50
sonic ranging sensor attached to an independent pole near shelter; median
5-minute values are output hourly
SNO005  Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with a Judd
communications sensor attached to pole extension from shelter; median
5-minute values are output hourly
SNO006 Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with a Judd
communications sensor attached to pole extension from tower; median 5-minute
values are output hourly

SNO007 Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with a CS SR50
sonic ranging sensor attached to pole extension from tower; median 5-minute
values are output hourly

SNO008 Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with a Judd
communications sensor attached to pole from tower over gravel pad; median
5-minute values are output hourly

SNO009 Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50A
sonic ranging sensor attached to pole from shelter over gravel pad; median
5-minute values are output hourly

SNO010 Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50A
sonic ranging sensor attached from small tower over snow pillow; median
5-minute values are output hourly

SNO011 Snow water equivalence (SWE) is measured by a Park Mechanical pressure
pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50A
sonic ranging sensor attached to pole from tower over gravel pad; median
5-minute values are output hourly

SNO101 Daily snow water equivalence (SWE) is the instantaneous midnight value; Park
Mechanical pressure pillow with Druck pressure transducer (See Method
SNO001)

SNO102 Daily snow water equivalence (SWE) is the instantaneous midnight value; Park
Mechanical pressure pillow with Druck pressure transducer (See Method
SNO002)

SNO103 Daily snow water equivalence (SWE) is the median of 5 minute values over the
last hour of the day; Park Mechanical pressure pillow with Druck pressure
transducer (See Method SNO003)

SNO104 Daily snow water equivalence (SWE) and snow depth are the median of 5
minute values over the last hour of the day; Park Mechanical pressure pillow
with Druck pressure transducer; CS SR50 sonic ranging sensor attached to pole
(See Method SNO004)

SNO105 Daily snow water equivalence (SWE) and snow depth are the median of 5
minute values over the last hour of the day; Park Mechanical pressure pillow
with Druck pressure transducer; Judd communications sensor attached to
shelter (See Method SNO005)

SNO106 Daily snow water equivalence (SWE) and snow depth are the median of 5
minute values over the last hour of the day; Park Mechanical pressure pillow
with Druck pressure transducer; Judd communications sensor attached to tower
(See Method SNO006)

SNO107 Daily snow water equivalence (SWE) and snow depth are the median of 5
minute values over the last hour of the day; Park Mechanical pressure pillow
with Druck pressure transducer; CS SR50 sonic ranging sensor attached to
tower (See Method SNO007)

SNO108 Daily snow water equivalence (SWE) and snow depth are the median of 5
minute values over the last hour of the day; Park Mechanical pressure pillow
with Druck pressure transducer; Judd communications sensor at tower over
gravel pad (See Method SNO008)

SNO109 Daily snow water equivalence (SWE) and snow depth are the median of 5
minute values over the last hour of the day; Park Mechanical pressure pillow
with Druck pressure transducer; CS SR50 sonic ranging sensor at shelter over
gravel pad (See Method SNO009)

SNO110 Daily snow water equivalence (SWE) and snow depth are the running median of
preceding 5 minute values at midnight; Park Mechanical pressure pillow with
Druck pressure transducer; CS SR50A sonic ranging sensor at shelter over gravel pad (See Method SNO010)

SNO11 Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50A sonic ranging sensor at tower over gravel pad (See Method SNO011)

SNO12 Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50A sonic ranging sensor/sm.tower over snow pillow (See Method SNO012)

SNO13 Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50 sonic ranging sensor/sm.tower over snow pillow (See Method SNO013)

SNO014 Snow depth only is recorded with CS SR50 sonic ranging sensor attached from small tower over snow pillow; median of 10-minute instantaneous values are output hourly

Enumerated Domain for Attribute: SWE_DAY_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: SNOWDEP_DAY_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: AIRTEMP_MEAN_FLAG
B Sensor buried in snow; value is the snow temperature
E Estimated value
M Missing value
Q Questionable value
S Daily value based on sunrise to sunrise
A Accepted value has passed all QC tests applied as represented by the quality level
D Value is estimated as the average of daily minimum and daily maximum

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on
tower, calculated

VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELSCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17
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<td>Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29</td>
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<td>July 2007</td>
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<td>SOIVAN04</td>
<td>Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29</td>
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<td>SOIVAN05</td>
<td>Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13</td>
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<td>July 1994</td>
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<tr>
<td>RADCEN01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no.</td>
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<td>01 at height 627 cm</td>
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<td>RADPRI01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no.</td>
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<tr>
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<td>01 at height 100 cm</td>
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<tr>
<td>RADUPI01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no.</td>
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<tr>
<td></td>
<td>01 at height 617 cm</td>
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<td>RADVAN01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no.</td>
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<td>01 at height 860 cm</td>
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<td>WNDcen01</td>
<td>Wind speed and direction at CENMET, probe no. 01 at height 1000 cm</td>
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<tr>
<td>WNDH1501</td>
<td>Wind speed and direction at H15MET, probe no. 01 at height 500 cm</td>
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WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELC203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCE02 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>SOIWS703</td>
<td>Soil temperature at WS7MET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SOIWS704</td>
<td>Soil temperature at WS7MET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>ATMWS701</td>
<td>Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level</td>
</tr>
<tr>
<td>WNDWS701</td>
<td>Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm</td>
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<tr>
<td>WNDWS703</td>
<td>Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)</td>
</tr>
<tr>
<td>WNDWS704</td>
<td>Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)</td>
</tr>
<tr>
<td>AIRWS701</td>
<td>Air temperature at WS7MET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRWS702</td>
<td>Air temperature at WS7MET, probe no. 02 at height 350 cm on tower</td>
</tr>
<tr>
<td>AIRWS703</td>
<td>Air temperature at WS7MET, probe no. 03 at height 250 cm on tower</td>
</tr>
<tr>
<td>AIRWS704</td>
<td>Air temperature at WS7MET, probe no. 04 at height 150 cm on tower</td>
</tr>
<tr>
<td>AIRWS708</td>
<td>Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield</td>
</tr>
<tr>
<td>RELWS701</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELWS704</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 150 cm</td>
</tr>
<tr>
<td>DEWWS701</td>
<td>Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWWS704</td>
<td>Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>VPDWS701</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS704</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>SNOWS701</td>
<td>Snow depth at WS7MET, probe no. 01, snow depth sensor at south site</td>
</tr>
<tr>
<td>SNOWS702</td>
<td>Snow depth at WS7MET, probe no. 02, snow depth sensor at west site</td>
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<td></td>
<td>(discontinued 14 May 2007)</td>
</tr>
</tbody>
</table>

**Enumerated Domain for Attribute: DBCODE**

- MS001: FSDB Database Code

**Enumerated Domain for Attribute: EVENT_CODE**

- INSREM: Sensor is installed or removed
- LOGGER: Change in data logger, data logger program, or wiring
- METHOD: Change in data collection method
- NA: No event is reported (not applicable)
- QUALTY: Event may directly affect data quality
- MAINTE: A maintenance event has occurred
- INTPRO: Internal processing may produce an anomalous reading
- WEATHR: A weather event has occurred that may affect reading
- CALIBR: Associated with the inspection or replacement of sensors for calibration
- CLEARD: Site clearing of trees and brush around the meteorological station is being conducted
- BURNED: Burning of cleared trees and brush debris around the meteorological station is in progress

**Enumerated Domain for Attribute: QC_LEVEL**
Air temperature is sampled by a thermistor housed in a standard cotton region shelter at 150 cm height and continuously recorded on a separate 30-day Rustrak strip chart; mean temperature is output every 60 minutes

Air temperature is sampled by a Yellow Springs Instrument Company linear thermistor (YSI44018) housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a standard cotton region shelter at 150 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 50 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 250 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 60 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 50 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 250 cm height; mean temperature is output every 15 minutes

Air temperature is sampled by a Campbell Scientific model 107 thermistor
housed in a locally designed PVC radiation shield at 350 cm height; mean temperature is output every 15 minutes

AIR024 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 15 minutes

AIR025 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 15 minutes

AIR026 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 250 cm height; mean temperature is output every 15 minutes

AIR027 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 350 cm height; mean temperature is output every 15 minutes

AIR028 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 15 minutes

AIR029 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 15 minutes

AIR030 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 15 minutes

AIR031 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; mean temperature is output every 15 minutes

AIR032 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; mean temperature is output every 15 minutes

AIR033 Air temperature is sampled by a Campbell Scientific model HMP35C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 15 minutes

AIR034 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 15 minutes

AIR035 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 15 minutes

AIR036 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 150 cm height; mean temperature is output every 15 minutes

AIR038 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 150 cm height; mean temperature is output every 15 minutes

AIR041 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 150 cm height; mean temperature is output every 5 minutes

AIR042 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 250 cm height; mean temperature is output every 5 minutes

AIR043 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 350 cm height; mean temperature is output every 5 minutes

AIR044 Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 450 cm height; mean temperature is output every 5 minutes

AIR101 Mean daily air temperature is calculated as average of max and min readings. Temperature is recorded on a Cole Parmer hygrothermograph chart at 130 cm height in cotton shelter; daily chart readings are adjusted weekly using a Belfort Max-Min Thermometer

AIR102 Mean daily air temperature is calculated as average of max and min readings. Temperature is recorded on a Belfort hygrothermograph chart at 130 cm height in cotton shelter; daily chart readings are adjusted weekly using a Belfort Max-Min Thermometer

AIR103 Mean daily air temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 450
AIR104 Mean daily air temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 50 cm height

AIR205 Mean daily air temperature is calculated from hourly chart readings. Min-max values are based on hourly mean values. 30-day Rustrak strip chart thermistor housed in a standard cotton region shelter at 150 cm height (See method AIR005)

AIR206 Mean daily air temperature is calculated from hourly thermistor readings. Min-max values are based on hourly mean values. Yellow Springs Instrument Company linear thermistor housed in a standard cotton region shelter at 150 cm height (See method AIR006)

AIR107 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; cotton region shelter; 150 cm height (See method AIR007)

AIR108 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; cotton region shelter; 150 cm height (See method AIR008)

AIR109 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; cotton region shelter; 150 cm height (See method AIR009)

AIR110 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 50 cm height (See method AIR010)

AIR111 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 150 cm height (See method AIR011)

AIR112 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 450 cm height (See method AIR012)

AIR113 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 480 cm height (See method AIR013)

AIR114 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 150 cm height (See method AIR014)

AIR115 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 450 cm height (See method AIR015)

AIR116 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 150 cm height (See method AIR016)

AIR117 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method AIR017)

AIR118 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR018)

AIR119 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method AIR019)

AIR120 Mean daily air temperature is calculated by the Campbell Scientific datalogger
based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 50 cm height (See method AIR020)

AIR121 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 150 cm height (See method AIR021)

AIR122 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 250 cm height (See method AIR022)

AIR123 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 350 cm height (See method AIR023)

AIR124 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; PVC radiation shield; 450 cm height (See method AIR024)

AIR125 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 150 cm height (See method AIR025)

AIR126 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 250 cm height (See method AIR026)

AIR226 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model 107; R.M. Young Gill radiation shield; 250 cm height (See method AIR026)

AIR326 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 250 cm height (See method AIR025)

AIR127 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 350 cm height (See method AIR027)

AIR227 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model 107; R.M. Young Gill radiation shield; 350 cm height (See method AIR025)

AIR327 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 350 cm height (See method AIR027)

AIR128 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; R.M. Young Gill radiation shield; 450 cm height (See method AIR028)

AIR129 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 450 cm height (See method AIR029)

AIR130 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 450 cm height (See method AIR030)

AIR131 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method AIR031)

AIR132 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method AIR032)
AIR133 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; R.M. Young Gill radiation shield; 450 cm height (See method AIR033)

AIR134 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR034)

AIR135 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method AIR035)

AIR136 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; aspirated shield; 150 cm height (See method AIR036)

AIR236 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 150 cm height (See method AIR036)

AIR138 Mean daily air temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; aspirated shield; 350 cm height (See method AIR038)

AIR238 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 350 cm height (See method AIR038)

AIR234 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR034)

AIR334 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method AIR034)

AIR241 Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 150 cm height (See method AIR041)

AIR242 Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 250 cm height (See method AIR042)

AIR243 Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 350 cm height (See method AIR043)

AIR244 Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; aspirated shield; 450 cm height (See method AIR044)

AIR228 Mean daily air temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model 107; R.M. Young Gill radiation shield; 450 cm height (See method AIR028)

AIR045 Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 5 minutes
AIR046  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 250 cm height; mean temperature is output every 5 minutes

AIR047  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 350 cm height; mean temperature is output every 5 minutes

AIR048  Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 5 minutes

AIR245  Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. HMP45C probe; Gill radiation shield; 150 cm height (See method AIR045)

AIR246  Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; Gill radiation shield; 250 cm height (See method AIR046)

AIR247  Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; Gill radiation shield; 350 cm height (See method AIR047)

AIR248  Mean daily air temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. HMP45C probe; Gill radiation shield; 450 cm height (See method AIR048)

AIR051  Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean, min and max temperature is output every 5 minutes

AIR052  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 350 cm height; mean, min and max temperature is output every 5 minutes

AIR053  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Gill radiation shield at 250 cm height; mean, min and max temperature is output every 5 minutes

AIR054  Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min and max temperature is output every 5 minutes

AIR056  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 150 cm height; mean, min and max temperature is output every 5 minutes

AIR057  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 250 cm height; mean, min and max temperature is output every 5 minutes

AIR058  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 350 cm height; mean, min and max temperature is output every 5 minutes

AIR059  Air temperature is sampled by a Campbell Scientific model 107 thermistor housed in a R.M. Young Model 43502 compact aspirated shield at 450 cm height; mean, min and max temperature is output every 5 minutes

AIR060  Air temperature is sampled by a Campbell Scientific model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min and max temperature is output every 5 minutes

AIR151  Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. Model HMP45C; R.M. Young Gill radiation shield; 450 cm ht (See method AIR051)

AIR152  Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young Gill radiation shield; 350 cm ht (See method AIR052)

AIR153  Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young Gill radiation shield; 250 cm ht (See method AIR053)
Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. Model HMP45C; R.M. Young radiation shield; 150 cm ht (See method AIR054)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 150 cm ht (See method AIR056)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 250 cm ht (See method AIR057)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 350 cm ht (See method AIR058)

Mean daily air temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model 107; R.M. Young 43502 aspirated shield; 450 cm ht (See method AIR059)

Mean daily air temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm ht (See method AIR061)

Mean daily air temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm ht (See method AIR062)

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean temperature is output every 10 minutes

Air temperature is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean temperature is output every 10 minutes

Mean daily air temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm ht (See method AIR061)

Mean daily air temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm ht (See method AIR062)

Enumerated Domain for Attribute: RELHUM_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
A Accepted value has passed all QC tests applied as represented by the quality level
B Sensor buried in snow
S Daily value based on sunrise to sunrise

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 to 22 Jul 2004; 150 cm 22 Jul 2004 to 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 to 16 Jun 2004; 150 cm 16 Jun 2004 to 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated

AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 to 22 Jul 2004; 150 cm 22 Jul 2004 to 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 to 16 Jun 2004; 150 cm 16 Jun 2004 to 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
tower, calculated

VPDPR01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPR04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPR05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELSCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELSCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no.
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<th>Description</th>
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<td>Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow</td>
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<td>Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm</td>
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<td>WNDNCS02</td>
<td>Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm</td>
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| RADWS701    | Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward
facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm

SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level

WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)

WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)

AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower

AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower

AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield

RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm

RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm

DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated

DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated

VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated

VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated

SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)

SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being
conducted.

BURNED  Burning of cleared trees and brush debris around the meteorological station is in
progress.

Enumerated Domain for Attribute: QC_LEVEL

1P  Data is provisional and subject to revision - preliminary quality checks have
been performed.

1A  Data is published and unlikely to change - automated range checking and
manual review has been conducted. Quality is indicated in data value qualifier
flags.

2A  Data is published and unlikely to change - Level 1A data has been modified
such that data gaps may be filled or problem data may be removed.

2D  Data is published and unlikely to change - data is derived or aggregated from
published data of level 2A.

1D  Data is published and unlikely to change - data is derived or aggregated from
published data of level 1A.

Enumerated Domain for Attribute: RELHUM_METHOD

REL004  Relative humidity is sampled by a Campbell Scientific model HMP35C probe
housed in a cotton region shelter at 150 cm height; mean relative humidity is
output every 60 minutes.

REL005  Relative humidity is sampled by a Campbell Scientific model HMP35C probe
housed in a locally designed PVC radiation shield at 150 cm height; mean
relative humidity is output every 60 minutes.

REL006  Relative humidity is sampled by a Campbell Scientific model HMP35C probe
housed in a locally designed PVC radiation shield at 450 cm height; mean
relative humidity is output every 60 minutes.

REL007  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a locally designed PVC radiation shield at 150 cm height; mean
relative humidity is output every 60 minutes.

REL008  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a locally designed PVC radiation shield at 450 cm height; mean
relative humidity is output every 60 minutes.

REL009  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a locally designed PVC radiation shield at 450 cm height; program
failure in output of relative humidity values.

REL010  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative
humidity is output every 60 minutes.

REL011  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative
humidity is output every 60 minutes.

REL012  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative
humidity is output every 60 minutes.

REL013  Relative humidity is sampled by a Campbell Scientific model HMP35C probe
housed in a locally designed PVC radiation shield at 480 cm height; mean
relative humidity is output every 60 minutes.

REL014  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative
humidity is output every 15 minutes.

REL015  Relative humidity is sampled by a Campbell Scientific model HMP45C probe
housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative
humidity is output every 15 minutes.

REL215  Mean daily relative humidity is post-calculated from all 15 minute mean values
for the day. Max-min values are based on 15 minute mean intervals and not
instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm
height. (See meth REL015).

REL101  Daily minimum and maximum relative humidity is recorded on a Cole Parmer
hygrothermograph chart at 130 cm height in cotton region shelter; daily chart
readings are adjusted weekly using a sling psychrometer.

REL102  Daily minimum and maximum relative humidity is recorded on a Belfort
hygrothermograph chart at 130 cm height in cotton region shelter; daily chart
readings are adjusted weekly using a sling psychrometer.

REL103  Mean daily relative humidity is calculated by the Campbell Scientific datalogger
and output on a sunrise to sunrise basis. Max-min values are based on
instantaneous 15 second readings. HMP35C; PVC radiation shield; 450 cm
Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model HMP35C; cotton region shelter; 150 cm height (See method REL004)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 150 cm height (See method REL005)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP35C; PVC radiation shield; 450 cm height (See method REL006)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 150 cm height (See method REL007)

Mean daily relative humidity is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. Model HMP45C; PVC radiation shield; 450 cm height (See method REL008)

Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL011)

Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL012)

Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 480 cm height (See method REL013)

Mean daily relative humidity is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL014)

Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on instantaneous 15 second readings. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL015)

Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL016)

Mean daily relative humidity is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 480 cm height (See method REL017)
Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 5 minutes (See method REL016)

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 5 minutes (See method REL017)

Mean daily relative humidity is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL016)

Mean daily relative humidity is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL017)

Relative humidity is sampled by a Campbell Scientific model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 5 minutes (See method REL020)

Mean daily relative humidity is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model HC2S3-L; R.M. Young Gill radiation shield; 150 cm height (See method REL020)

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean relative humidity is output every 10 minutes (See method REL021)

Relative humidity is sampled by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean relative humidity is output every 10 minutes (See method REL021)

Mean daily relative humidity is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 450 cm height (See method REL022)

Mean daily relative humidity is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. Model HMP45C; R.M. Young Gill radiation shield; 150 cm height (See method REL022)

Enumerated Domain for Attribute: PRECIP_TOT_FLAG
* Snowbridging or snow capping of gage
E Estimated (usually based on recording chart backup or nearby stations)
M Missing value
Q Questionable value
U Undercatch due to leakage or evaporation
A Accepted value has passed all QC tests applied as represented by the quality level
C Cumulative estimate of total precipitation since last recorded precipitation value - includes large increases evident when snow cap melts and falls into tank

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 8 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501  Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502  Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02  Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17
Oct 2002 to 16 Jun 2004

SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDHCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
AIRPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCE02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed

1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.

2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed

2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A

1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: PRECIP_METHOD

PPT115 - Daily precipitation represents the total from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height and surrounded by a Valdai-style double wind fence; Campbell Scientific datalogger

PPT101 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a Universal Recording rain and snow gage with chart recorder at height 260 cm

PPT118 - Daily precipitation represents the total from an ETI Instruments Noah IV weighing-type precipitation gauge with 8-inch orifice at height 250 cm

PPT102 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a Leupold-Stevens Q-12 snow-rain gage and chart recorder at height 550 cm

PPT103 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a propand-heated Qualimetrics (Weather Measure) Weathertronics Model 6041 tipping bucket 8-inch gage with punch tape recorder at height 550 cm

PPT104 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 550 cm with a Stevens Type A-35 water level recorder; 15 min output

PPT119 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 550 cm with a Stevens Type A-35 water level recorder; daily only

PPT105 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 410 cm with a Stevens Type A-35 water level recorder; 15 min output

PPT106 - Daily precipitation represents the total from an 8-inch Standard Rain Gauge prorated on a daily basis from a heated 8-inch shelter-top orifice with alter wind shield at height 410 cm with pressure transducer water level recorder and CS datalogger

PPT113 - Daily precipitation represents the total from a heated 8-inch shelter-top collector with alter wind shield at height 410 cm with pressure transducer water level recorder and Campbell Scientific datalogger

PPT107 - Daily precipitation represents the total from a Texas Electronics TE525 tipping bucket 6" raingage located on 1 meter high platform with a Campbell Scientific data logger (or Interface Instrument datalogger before 1988)

PPT108 - Daily precipitation represents the total from a Texas Electronics TE525 tipping bucket 6" raingage located on 1 meter high platform with a Campbell Scientific data logger

PPT109 - Daily precipitation represents the total from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height and surrounded by a Valdai-style double wind fence; Campbell Scientific data logger

PPT116 - Daily precipitation represents the total from a shelter-top heated rain gage with 13.3-inch orifice, tank gage, and alter wind shield at 625 cm; Campbell Scientific data logger

PPT103 - Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger; daily output only

PPT110 - Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger; hourly output

PPT111 - Daily precipitation represents the total from a shelter-top heated rain gage with
12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger; 5 minute output

PPT112 Daily precipitation represents the total from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 305 cm; Campbell Scientific data logger; 5 minute output

PPT117 Daily precipitation represents the total from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height in a clearing and surrounded by a natural tree wind break; Campbell Scientific datalogger

PPT015 Total precipitation is sampled every 5 minutes from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height and surrounded by a Valdai-style double wind fence; Campbell Scientific datalogger

PPT001 Total precipitation is digitized with 15 minute resolution from a Universal Recording rain and snow gage with chart recorder at height 260 cm and prorated to the weekly total from an 8-inch Standard Rain Gauge

PPT018 Total precipitation is sampled every 15 minutes from an ETI Instruments Noah IV weighing-type precipitation gauge with 8-inch orifice at height 250 cm

PPT004 Total precipitation is digitized with 15 minute resolution from a heated 8-inch shelter-top orifice with alter wind shield at height 550 cm with a Stevens Type A-35 water level recorder chart; prorated to periodic totals from an 8-inch Standard Rain Gage

PPT005 Total precipitation is digitized with 15 minute resolution from a heated 8-inch shelter-top orifice with alter wind shield at height 410 cm with a Stevens Type A-35 water level recorder chart; prorated to periodic totals from an 8-inch Standard Rain Gage

PPT013 Total precipitation is sampled every 5 minutes from a heated 8-inch shelter-top collector with alter wind shield at height 410 cm with pressure transducer water level recorder and Campbell Scientific datalogger

PPT007 Total precipitation is sampled hourly from a Texas Electronics TE525 tipping bucket 6" raingage located on 1 meter high platform with a Campbell Scientific data logger (or Interface Instrument datalogger before 1988)

PPT008 Total precipitation is sampled every 5 minutes from a Texas Electronics TE525 tipping bucket 6" raingage located on 1 meter high platform with a Campbell Scientific data logger

PPT016 Total precipitation is sampled every 5 minutes from a shelter-top heated rain gage with 13.3-inch orifice, tank gage, and alter wind shield at 625 cm; Campbell Scientific data logger

PPT010 Total precipitation is sampled hourly from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger

PPT011 Total precipitation is sampled every 5 minutes from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 450 cm; Campbell Scientific data logger

PPT012 Total precipitation is sampled every 5 minutes from a shelter-top heated rain gage with 12-inch orifice, pressure transducer water level recorder, and alter wind shield at 305 cm; Campbell Scientific data logger

PPT017 Total precipitation is sampled every 5 minutes from a stand-alone rain gage composed of standing pipe w/tank gage, a propane-heated 20-inch dia. orifice at 455 cm height in a clearing and surrounded by a natural tree wind break; Campbell datalogger

PPT020 Total precipitation is sampled every 5 minutes from a heated 8-inch shelter-top collector with alter wind shield at height 410 cm with a Stevens Instruments Position Analog Transmitter (PAT) water level shaft encoder and Campbell Scientific datalogger

PPT120 Daily precipitation represents the total from a heated 8-inch shelter-top collector with alter wind shield at ht. 410 cm with Stevens Instruments Position Analog Transmitter (PAT) water level shaft encoder and Campbell Sci. datalogger (See method PPT020)

Enumerated Domain for Attribute: WSPD_PRO_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe
B Wind speed measurement is below or equal to the instrument detection limit of 1 m per second
N Wind speed measurement is below or equal to 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
EB Estimated value is determined to be below the instrument detection limit of 1 m per second
QB Questionable value is also below the instrument detection limit of 1 m per second
SB Daily value is based on a sunrise to sunrise timeframe and is also below the instrument detection limit of 1 m per second
FB Sensor most likely frozen - value is not reliable and is also below the instrument detection limit of 1 m per second
EN Estimated value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
FN Sensor most likely frozen and value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
QN Questionable value that is also below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
SN Daily value is based on a sunrise to sunrise timeframe and is also below 0.3 m per second, which is not considered reliable and is below the instrument detection limit of 1 m per second

Enumerated Domain for Attribute: WMAG_PRO_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
F Sensor most likely frozen and value is not reliable
A Accepted value has passed all QC tests applied as represented by the quality level
S Daily value is based on a sunrise to sunrise timeframe
B Wind magnitude measurement is below or equal to the instrument detection limit of 1 m per second
EB Estimated value is determined to be below the instrument detection limit of 1 m per second
EN Estimated value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
FB Sensor most likely frozen - value is not reliable and is also below the instrument detection limit of 1 m per second
FN Sensor most likely frozen and value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
QB Questionable value is also below the instrument detection limit of 1 m per second
SB Daily value is based on a sunrise to sunrise timeframe and is also below the instrument detection limit of 1 m per second
QN Questionable value that is also below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
SN Daily value is based on a sunrise to sunrise timeframe and is also below 0.3 m per second, which is not considered reliable and is below the instrument detection limit of 1 m per second
N Wind magnitude is below or equal to 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
R Daily value is post-calculated from the fine resolution output (5, 15, or 60 minute data) and not from the 15 second instantaneous datalogger values
RB Daily value is post-calculated from the fine resolution output (5, 15, or 60 minute
data) and not from the 15 second instantaneous datalogger values and is also below the instrument detection limit of 1 m per second.

**RN**

Daily value is post-calculated from the fine resolution output (5, 15, or 60 minute data) and not from the 15 second instantaneous datalogger values and is also below 0.3 m per second, which is not considered reliable.

**Enumerated Domain for Attribute: WDIR_PRO_MEAN_FLAG**

- **E** Estimated value
- **M** Missing value
- **Q** Questionable value
- **F** Sensor most likely frozen and value is not reliable
- **A** Accepted value has passed all QC tests applied as represented by the quality level
- **S** Daily value is based on a sunrise to sunrise timeframe
- **B** Wind speed measurement is less than or equal to 0.1 m per second and wind direction is not considered reliable
- **U** Wind direction is undefined when wind speed measurement is zero

**Enumerated Domain for Attribute: WDIR_PRO_STDDEV_FLAG**

- **E** Estimated value
- **M** Missing value
- **Q** Questionable value
- **F** Sensor most likely frozen and value is not reliable
- **A** Accepted value has passed all QC tests applied as represented by the quality level
- **S** Daily value is based on a sunrise to sunrise timeframe
- **B** Wind speed measurement is less than or equal to 0.1 m per second and standard deviation of mean wind vector is not considered reliable
- **U** Wind direction is undefined when wind speed measurement is zero

**Enumerated Domain for Attribute: PROBE_CODE**

- **AIRCEN01** Air temperature at CENMET, probe no. 01 at height 450 cm on tower
- **AIRCEN02** Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
- **AIRCEN03** Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
- **AIRCEN04** Air temperature at CENMET, probe no. 04 at height 150 cm on tower
- **AIRCS201** Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
- **AIRCS202** Air temperature at CS2MET, probe no. 02 at height 150 cm
- **AIRH1501** Air temperature at H15MET, probe no. 01 at height 450 cm
- **AIRH1502** Air temperature at H15MET, probe no. 02 at height 150 cm
- **AIRPRI01** Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
- **AIRPRI02** Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
- **AIRPRI03** Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
- **AIRPRI04** Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
- **AIRPRI05** Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region
shelter; discontinued 14 June 2004

AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 01 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station</td>
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<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut</td>
</tr>
<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut</td>
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<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
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<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOICEN04</td>
<td>Soil temperature at CENMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SOIPRI01</td>
<td>Soil temperature at PRIMET, probe no. 01 at depth 10 cm</td>
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<td>SOIPRI02</td>
<td>Soil temperature at PRIMET, probe no. 02 at depth 20 cm</td>
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<td>SOIPRI03</td>
<td>Soil temperature at PRIMET, probe no. 03 at depth 50 cm</td>
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<td>SOIPRI04</td>
<td>Soil temperature at PRIMET, probe no. 04 at depth 100 cm</td>
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<td>SOIPRI05</td>
<td>Soil temperature at PRIMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994</td>
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<tr>
<td>SOIUPL01</td>
<td>Soil temperature at UPLMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOIUPL02</td>
<td>Soil temperature at UPLMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOIUPL03</td>
<td>Soil temperature at UPLMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOIUPL04</td>
<td>Soil temperature at UPLMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SOIVAN01</td>
<td>Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007</td>
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<tr>
<td>SOIVAN02</td>
<td>Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007</td>
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<tr>
<td>SOIVAN03</td>
<td>Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007</td>
</tr>
<tr>
<td>SOIVAN04</td>
<td>Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007</td>
</tr>
<tr>
<td>SOIVAN05</td>
<td>Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 29 July 2007</td>
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<tr>
<td>RADCEN01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm</td>
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<tr>
<td>RADPRI01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm</td>
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<tr>
<td>RADUPL01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm</td>
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<tr>
<td>RADVAN01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm</td>
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<tr>
<td>WNDH1501</td>
<td>Wind speed and direction at H15MET, probe no. 01 at height 500 cm</td>
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<tr>
<td>WNDPRI01</td>
<td>Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm</td>
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<tr>
<td>WNDUPL01</td>
<td>Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm</td>
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<tr>
<td>WNDVAN01</td>
<td>Wind speed and direction at VANMET, probe no. 01 at height 1000 cm</td>
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<td>AIRPRI06</td>
<td>Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield</td>
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<tr>
<td>SNOVAR04</td>
<td>Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow</td>
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(discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from
published data of level 1A

Enumerated Domain for Attribute: WIND_METHOD

WND001 Windspeed is measured with cup-type anemometer and event marker on Rustrak strip (marks every .322 km of air movement) at 500 cm ht. Mean wind speed is output hourly with Interface Instrument logger. Daily max-mins are hourly means. No wind direction.

WND002 Wind speed and direction are not measured for this 4 year period

WND003 Wind speed sensors are R.M. Young 3-cup anemometer (#6101) tachometer generators mounted on a tower at height 1200 cm. Mean wind speed is output hourly. No wind direction recorded. Datalogger is Interface Instrument M-4. Daily max-mins are hourly means.

WND004 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1200 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND005 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed is calculated and output on a sunrise to sunrise basis. Detection level 1 m/sec.

WND006 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND007 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND008 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND101 Mean daily windspeed is summarized from hourly means recorded by the Rustrak strip chart. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is measured. Cup-type anemometer; 500 cm (See method WND001)

WND102 Mean daily wind speed and direction are not measured for this 4 year period

WND103 Mean daily windspeed is summarized from hourly means. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is recorded. RM Young 3-cup anemometer; 1200 cm (See method WND003)

WND104 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1200 cm (See method WND004)

WND105 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger on a sunrise to sunrise basis based on 15 second samples. Max-min values are based on instantaneous 15 second readings. (See method WND005)

WND106 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 600 cm (See method WND006)

WND107 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND007)

WND108 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1000 cm (See method WND008)

WND009 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 15 minutes. Detection level 1 m/sec.
WND010 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean and max wind speed and direction are output every 5 minutes. Detection level 1 m/sec.

WND011 Wind speed (mean, max), direction, x-y wind components, instr. air temp and std deviations are sampled every 15 seconds by a Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with Campbell Scientific datalogger output every 5 minutes.

WND111 Mean daily wind speed, direction, x-y wind components, instrument air temp and std deviations are post-calculated from 5 minute values; Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with a Campbell Scientific datalogger (WND011).

WND110 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 5 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Sci.

WND012 Wind speed, direction, x-y wind components, instrument air temp and std deviations are sampled every 15 seconds by a Vaisala WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with a Campbell Scientific datalogger output every 5 minutes.

WND112 Mean and maximum instantaneous daily wind speed, direction and standard deviation are post-calculated from 5 minute values; Vaisala WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with Campbell Scientific datalogger (See method WND012).

WND013 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 150 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND014 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 450 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND015 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND113 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 150 cm height; Campbell Sci.

WND114 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 450 cm height; Campbell Sci.

WND115 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Sci.

WND109 Mean daily wind speed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND009).

Enumerated Domain for Attribute: WSPD_PRO_MAX_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
B Wind speed measurement is below or equal to the instrument detection limit of 1 m per second
E Estimated value
F Sensor most likely frozen and value is not reliable
M Missing value
N Wind speed measurement is below or equal to 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second
Q Questionable value
FN Sensor most likely frozen and value is determined to be below 0.3 m per second and is not considered reliable and is below the instrument detection limit of 1 m per second.

Enumerated Domain for Attribute: SOLAR_TOT_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: SOLAR_MAX_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value
F Daily maximum rate based on the maximum 15 minute mean value and not an instantaneous rate

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02 Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03 Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04 Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm
from 17 Oct 2002 to 16 Jun 2004)

**AIRVAN05**
Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995

**DEWCEN01**
Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated

**DEWCEN04**
Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated

**DEWCS202**
Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

**DEWH1501**
Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated

**DEWH1502**
Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated

**DEWPR101**
Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated

**DEWPR104**
Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated

**DEWPR105**
Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000

**DEWUPL01**
Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated

**DEWUPL04**
Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

**DEWVAN01**
Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated

**DEWVAN04**
Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

**VPDCEN01**
Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated

**VPDCEN04**
Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated

**VPDCS202**
Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

**VPDH1501**
Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated

**VPDH1502**
Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated

**VPDPRI01**
Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated

**VPDPRI04**
Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated

**VPDPRI05**
Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000

**VPDUPL01**
Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated

**VPDUPL04**
Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

**VPDVAN01**
Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated

**VPDVAN04**
Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

**LYSCEN01**
Snow lysimeter at CENMET, probe no. 01

**LYSH1501**
Snow lysimeter at H15MET, probe no. 01

**LYSUPL01**
Snow lysimeter at UPLMET, probe no. 01

**PARCEN01**
Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm

**PPTCEN01**
Precipitation at CENMET, probe no. 01, stand-alone model

**PPTCEN02**
Precipitation at CENMET, probe no. 02, shelter-top model

**PPTCS201**
Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012

**PPTH1501**
Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent
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<td>Precipitation at PRIMET, probe no. 01 at height 100 cm</td>
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<td>PPTPRI02</td>
<td>Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies</td>
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<td>prevent sharing this data; discontinued 2010</td>
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<td>PPTUPL01</td>
<td>Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model</td>
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<td>PPTUPL02</td>
<td>Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model</td>
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<td>PPTVAN01</td>
<td>Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model;</td>
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<td>record ends Feb 1996; discontinued Sep 2001</td>
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<td>PPTVAR02</td>
<td>Precipitation at VARMET, probe no. 02, stand-alone model in meadow</td>
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<td>RELCEN01</td>
<td>Relative humidity at CENMET, probe no. 01 at height 450 cm</td>
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<td>RELCEN04</td>
<td>Relative humidity at CENMET, probe no. 04 at height 150 cm</td>
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<td>RELCS201</td>
<td>Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999</td>
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<tr>
<td>RELCS202</td>
<td>Relative humidity at CS2MET, probe no. 02 at height 150 cm</td>
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<tr>
<td>RELH1501</td>
<td>Relative humidity at H15MET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELH1502</td>
<td>Relative humidity at H15MET, probe no. 02 at height 150 cm</td>
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<td>RELPRI01</td>
<td>Relative humidity at PRIMET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELPRI04</td>
<td>Relative humidity at PRIMET, probe no. 04 at height 150 cm</td>
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<tr>
<td>RELPRI05</td>
<td>Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000</td>
</tr>
<tr>
<td>RELUPL01</td>
<td>Relative humidity at UPLMET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELUPL04</td>
<td>Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
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<tr>
<td>RELVAN01</td>
<td>Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer</td>
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<tr>
<td>RELVAN04</td>
<td>Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
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<tr>
<td>SWCPRI01</td>
<td>Soil water content at PRIMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SWCPRI02</td>
<td>Soil water content at PRIMET, probe no. 02 at depth 20 cm</td>
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<td>SWCPRI03</td>
<td>Soil water content at PRIMET, probe no. 03 at depth 50 cm</td>
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<td>SWCPRI04</td>
<td>Soil water content at PRIMET, probe no. 04 at depth 100 cm</td>
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<td>SWCCEN01</td>
<td>Soil water content at CENMET, probe no. 01 at depth 10 cm</td>
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<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
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<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
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<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
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<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
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<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>Instrument Code</td>
<td>Description</td>
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<tr>
<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued</td>
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<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
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<tr>
<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued</td>
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<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued</td>
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<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
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<tr>
<td>SNOCEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow</td>
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<tr>
<td>SNOCEN02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and</td>
</tr>
<tr>
<td></td>
<td>calculated snow water around snow pillow</td>
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<tr>
<td>SNOCEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow</td>
</tr>
<tr>
<td></td>
<td>course measurement along transect near the station</td>
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<tr>
<td>SNOPRI01</td>
<td>Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow</td>
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<tr>
<td></td>
<td>with snow depth sensor</td>
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<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow</td>
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<tr>
<td></td>
<td>with snow depth sensor</td>
</tr>
<tr>
<td>SNOUPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and</td>
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<tr>
<td></td>
<td>calculated snow water around snow pillow</td>
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<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow</td>
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<td></td>
<td>course measurement along transect near the station</td>
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<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow</td>
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<td></td>
<td>with snow depth sensor</td>
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<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and</td>
</tr>
<tr>
<td></td>
<td>calculated snow water around snow pillow in clearcut</td>
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<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course</td>
</tr>
<tr>
<td></td>
<td>measurement along transect near the station in the clearcut</td>
</tr>
<tr>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SOICEN04</td>
<td>Soil temperature at CENMET, probe no. 04 at depth 100 cm</td>
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</tbody>
</table>
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOWAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 998 m corrected to sea level
WNDWS703 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTENANCE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHER A weather event has occurred that may affect reading
CALIBRATION Associated with the inspection or replacement of sensors for calibration
CLEARED Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOLAR_METHOD
RAD001 Solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; total solar radiation is output every 60 minutes
RAD002 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 100 cm height; total solar radiation is output every 60 minutes
RAD003 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 500 cm height; total solar radiation is output every 60 minutes
RAD004 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 60 minutes
RAD005 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 15 minutes
RAD006 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 100 cm height; total...
Solar radiation is output every 15 minutes

**RAD007** Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is only output daily

**RAD008** Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 60 minutes

**RAD009** Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 15 minutes

**RAD010** Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes

**RAD011** Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; total solar radiation is output every 15 minutes

**RAD012** Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; total solar radiation is output every 15 minutes

**RAD101** Total daily solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; maximum daily solar radiation is based on the highest mean hourly rate over the day

**RAD102** Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 100 cm height; maximum daily solar radiation is based on the highest mean hourly rate over the day

**RAD103** Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 500 cm height; maximum daily solar radiation is based on the highest mean hourly rate over the day

**RAD104** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD004)

**RAD105** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD005)

**RAD106** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD006)

**RAD107** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD007)

**RAD108** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD008)

**RAD109** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD009)

**RAD110** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD101)

**RAD111** Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 615 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD011)
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 625 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD012)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD013)

Net radiation components are measured by the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger attached to the tower at 600 cm height; values are output every 5 minutes

Daily net radiation components are post-calculated from 5 minute data output from the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger; 600 cm height (see Method RAD014)

Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; mean, total, and maximum solar radiation is output every 5 minutes

Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; mean and total solar radiation is output every 5 minutes

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 625 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD015)

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 100 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD016)

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 850 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD017)

Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 5 minutes

Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 10 minutes

Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 15 minutes

Mean daily incoming and outgoing shortwave radiation are post-calculated from 5 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD018)

Mean daily incoming and outgoing shortwave radiation are post-calculated from 10 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD019)

Mean daily incoming and outgoing shortwave radiation are post-calculated from 15 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD020)

Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; mean, total, and maximum solar radiation is output every 5 minutes

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 615 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD021)

Enumerated Domain for Attribute: SOLAR_MEAN_FLAG
E Estimated value
A Accepted value has passed all QC tests applied as represented by the quality
Enumerated Domain for Attribute: SOILMP_MEAN_FLAG
+ Exceeds sensor calibration range at 15 negative bars
A Accepted value has passed all QC tests applied as represented by the quality level
M Missing value
Q Questionable value
S Daily value based on sunrise to sunrise

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02 Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03 Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04 Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05 Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04 Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPR101  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPR104  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPR105  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL10  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL104 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN101 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN104 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN10  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN104 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI10  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI104 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI105 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL10  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL104 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN10  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN104 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN10  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL10  Snow lysimeter at UPLMET, probe no. 01
PARCEN10  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN10  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN102 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI10  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI102 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL10  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued
13 Nov 2002

SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDHCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOWAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOWAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow
with snow depth sensor

SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
AIRCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WDCEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSD8 Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOILMP_METHOD
SMP001  Soil moisture potential is sampled by a Campbell Scientific model 223 gypsum soil moisture block at 10 cm depth; mean soil moisture potential in bars is output every 60 minutes
SMP002  Soil moisture potential is sampled by a Campbell Scientific model 223 gypsum soil moisture block at 20 cm depth; mean soil moisture potential in bars is output every 60 minutes
SMP005  Soil moisture potential is sampled by a Campbell Scientific model 223 gypsum soil moisture block at 30 cm depth; mean soil moisture potential in bars is output every 60 minutes
SMP101  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 10cm depth (See Method SMP001)
SMP102  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 20cm depth (See Method SMP002)
SMP103  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 50cm depth
SMP104  Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on
**SMP105**

Mean daily soil moisture potential is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings; CS model 223 gypsum soil moisture block; 30 cm depth (See Method SMP005)

**SMP106**

No daily soil moisture potential is recorded or calculated during this period

**Enumerated Domain for Attribute: DEWPT_MEAN_FLAG**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Estimated value</td>
</tr>
<tr>
<td>M</td>
<td>Missing</td>
</tr>
<tr>
<td>A</td>
<td>Accepted value has passed all QC tests applied as represented by the quality level</td>
</tr>
<tr>
<td>Q</td>
<td>Questionable</td>
</tr>
<tr>
<td>B</td>
<td>Sensor buried in snow</td>
</tr>
</tbody>
</table>

**Enumerated Domain for Attribute: PROBE_CODE**

<table>
<thead>
<tr>
<th>Probe Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRCEN01</td>
<td>Air temperature at CENMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRCEN02</td>
<td>Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)</td>
</tr>
<tr>
<td>AIRCEN03</td>
<td>Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)</td>
</tr>
<tr>
<td>AIRCEN04</td>
<td>Air temperature at CENMET, probe no. 04 at height 150 cm on tower</td>
</tr>
<tr>
<td>AIRCS201</td>
<td>Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999</td>
</tr>
<tr>
<td>AIRCS202</td>
<td>Air temperature at CS2MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>AIRH1501</td>
<td>Air temperature at H15MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>AIRH1502</td>
<td>Air temperature at H15MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>AIRPRI01</td>
<td>Air temperature at PRIMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRPRI02</td>
<td>Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)</td>
</tr>
<tr>
<td>AIRPRI03</td>
<td>Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)</td>
</tr>
<tr>
<td>AIRPRI04</td>
<td>Air temperature at PRIMET, probe no. 04 at height 150 cm on tower</td>
</tr>
<tr>
<td>AIRPRI05</td>
<td>Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004</td>
</tr>
<tr>
<td>AIRUPL01</td>
<td>Air temperature at UPLMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRUPL02</td>
<td>Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL03</td>
<td>Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL04</td>
<td>Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN01</td>
<td>Air temperature at VANMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRVAN02</td>
<td>Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN03</td>
<td>Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN04</td>
<td>Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN05</td>
<td>Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995</td>
</tr>
<tr>
<td>DEWCEN01</td>
<td>Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
</tbody>
</table>
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202 Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501 Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502 Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPR01 Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPR04 Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPR05 Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPR01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPR04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPR05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm

prevent sharing this data; discontinued 2010
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SNOCN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCE01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEEW701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEEW704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDSWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDSWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: DEWPT_METHOD
DEW001  Dewpoint temperature is measured with a heated lithium-chloride dewpoint sensor at 100 cm height and recorded continuously on a separate 30-day Rustrak strip chart; the mean is output every 60 minutes
DEW002  Dewpoint temperature is measured indirectly by a heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 150 cm height; the mean is output every 60 minutes
DEW003  Dewpoint temperature is measured indirectly by a heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 100 cm height; the mean is output every 60 minutes
DEW004  Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a cotton region shelter at 150 cm height; the mean is output every 60 minutes
DEW005  Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes
DEW006  Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes
DEW007  Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe...
DEW008 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes.

DEW009 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes.

DEW010 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 60 minutes.

DEW011 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 60 minutes.

DEW012 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 60 minutes.

DEW014 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 60 minutes.

DEW015 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 60 minutes.

DEW201 Mean daily dew point temperature is calculated from hourly chart readings. Min-max values are based on hourly mean values. Heated lithium-chloride dewpoint sensor at 100 cm height records continuously on 30-day Rustrak strip chart; mean output 60 minutes.

DEW202 Mean daily dew point temperature is calculated from hourly means. Min-max values are based on hourly mean values. Heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 150 cm height; mean is output every 60 minutes.

DEW203 Mean daily dew point temperature is calculated from hourly means. Min-max values are based on hourly mean values. Heated Interface Instrument lithium-chloride hygrometer with a linear thermistor at 100 cm height; mean is output every 60 minutes.

DEW104 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; cotton region shelter; 150 cm (DEW004).

DEW105 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; PVC radiation shield; 150 cm (DEW005).

DEW106 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; PVC radiation shield; 450 cm (DEW006).

DEW107 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP35C; PVC radiation shield; 480 cm (DEW007).

DEW108 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP45C; PVC radiation shield; 150 cm (DEW008).

DEW109 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CSModel HMP45C; PVC radiation shield; 450 cm (DEW009).

DEW110 Mean daily dew point temperature is calculated by the Campbell Scientific...
datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; RM Young Gill shield; 450 cm (DEW010)

DEW111 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 150 cm (DEW011)

DEW114 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (DEW014)

DEW115 Mean daily dew point temperature is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (DEW015)

DEW311 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (DEW011)

DEW312 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 450 cm (DEW012)

DEW314 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (method DEW014)

DEW315 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 450 cm (method DEW015)

DEW211 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm height (See method DEW011)

DEW212 Mean daily dew point temperature is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm height (See method DEW012)

DEW214 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm height (See method DEW014)

DEW215 Mean daily dew point temperature is post-calculated from all 15 minute mean values for the day. Max-min values are based on 15 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm height (See method DEW015)

DEW016 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 5 minutes

DEW017 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 5 minutes

DEW216 Mean daily dew point temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm height (See method DEW016)

DEW217 Mean daily dew point temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm height (See method DEW017)
DEW018 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min
DEW019 Dew point temperature is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; mean, min
DEW020 Dew point temperature is sampled by a Campbell Scientific model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; mean, min and max dew point temperature is output every 5 minutes
DEW118 Mean daily dew point temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HMP45C; RM Young Gill shield; 150 cm height (See method DEW018)
DEW119 Mean daily dew point temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HMP45C; RM Young Gill shield; 450 cm height (See method DEW019)
DEW120 Mean daily dew point temperature is post-calculated from all 5 minute mean, max and min values for the day. Max-min values are based on instantaneous values per 5 minute intervals. CS Model HC2S3-L; RM Young Gill shield; 150 cm height (See method DEW020)

Enumerated Domain for Attribute: VPD_MEAN_FLAG
E Estimated value
M Missing
Q Questionable
A Accepted value has passed all QC tests applied as represented by the quality level
B Sensor buried in snow

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm
Air temperature at VANMET, probe no. 01 at height 450 cm on tower

Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)


Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)

Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995

Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated

Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated

Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated

Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated

Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated

Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated

Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter; direct measurement before Jul 1988; discontinued 2000

Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated

Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated

Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated

Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated

Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated

Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated

Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated

Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated

Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000

Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated

Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated

Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

Snow lysimeter at CENMET, probe no. 01

Snow lysimeter at H15MET, probe no. 01

Snow lysimeter at UPLMET, probe no. 01

Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPTCEN01</td>
<td>Precipitation at CENMET, probe no. 01, stand-alone model</td>
</tr>
<tr>
<td>PPTCEN02</td>
<td>Precipitation at CENMET, probe no. 02, shelter-top model</td>
</tr>
<tr>
<td>PPTCS201</td>
<td>Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012</td>
</tr>
<tr>
<td>PPTH1501</td>
<td>Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992</td>
</tr>
<tr>
<td>PPTH1502</td>
<td>Precipitation at H15MET, probe no. 02 at height 410 cm</td>
</tr>
<tr>
<td>PPTPRI01</td>
<td>Precipitation at PRIMET, probe no. 01 at height 100 cm</td>
</tr>
<tr>
<td>PPTPRI02</td>
<td>Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010</td>
</tr>
<tr>
<td>PPTUPL01</td>
<td>Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model</td>
</tr>
<tr>
<td>PPTUPL02</td>
<td>Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model</td>
</tr>
<tr>
<td>PPTVAN01</td>
<td>Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001</td>
</tr>
<tr>
<td>PPTVAN02</td>
<td>Precipitation at VARMET, probe no. 02, stand-alone model in meadow</td>
</tr>
<tr>
<td>RELCEN01</td>
<td>Relative humidity at CENMET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELCEN04</td>
<td>Relative humidity at CENMET, probe no. 04 at height 150 cm</td>
</tr>
<tr>
<td>RELCS201</td>
<td>Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999</td>
</tr>
<tr>
<td>RELCS202</td>
<td>Relative humidity at CS2MET, probe no. 02 at height 150 cm</td>
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<tr>
<td>RELH1501</td>
<td>Relative humidity at H15MET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELH1502</td>
<td>Relative humidity at H15MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>RELPRI01</td>
<td>Relative humidity at PRIMET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELPRI04</td>
<td>Relative humidity at PRIMET, probe no. 04 at height 150 cm</td>
</tr>
<tr>
<td>RELPRI05</td>
<td>Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000</td>
</tr>
<tr>
<td>RELUPL01</td>
<td>Relative humidity at UPLMET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELUPL04</td>
<td>Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>RELVAN01</td>
<td>Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer</td>
</tr>
<tr>
<td>RELVAN04</td>
<td>Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>SWCPRI01</td>
<td>Soil water content at PRIMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCPRI02</td>
<td>Soil water content at PRIMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCPRI03</td>
<td>Soil water content at PRIMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCPRI04</td>
<td>Soil water content at PRIMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SWCCEN01</td>
<td>Soil water content at CENMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
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<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
</tr>
<tr>
<td>SNOCEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with</td>
</tr>
<tr>
<td></td>
<td>snow depth sensor</td>
</tr>
<tr>
<td>SNOCEN02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and</td>
</tr>
<tr>
<td></td>
<td>calculated snow water around snow pillow</td>
</tr>
<tr>
<td>SNOCEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow</td>
</tr>
<tr>
<td></td>
<td>course measurement along transect near the station</td>
</tr>
<tr>
<td>SNOPRI01</td>
<td>Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with</td>
</tr>
<tr>
<td></td>
<td>snow depth sensor</td>
</tr>
<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with</td>
</tr>
<tr>
<td></td>
<td>snow depth sensor</td>
</tr>
<tr>
<td>SNOUPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and</td>
</tr>
<tr>
<td></td>
<td>calculated snow water around snow pillow</td>
</tr>
<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow</td>
</tr>
<tr>
<td></td>
<td>course measurement along transect near the station</td>
</tr>
<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with</td>
</tr>
<tr>
<td></td>
<td>snow depth sensor</td>
</tr>
<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and</td>
</tr>
<tr>
<td></td>
<td>calculated snow water around snow pillow in clearcut</td>
</tr>
<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course</td>
</tr>
</tbody>
</table>
measurement along transect near the station in the clearcut

SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDHCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with
aspirated shield

AIRVAR10  
Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow

ATMPRI01  
Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level

ATMUPL01  
Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level

RADPRI02  
Net radiation measurements at PRIMET, probe no. 02 at height 600 cm

RADVAN02  
Net radiation measurements at VANMET, probe no. 02 at height 600 cm

WNDPRI02  
Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm

WNDVAN02  
Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm

PPTCS202  
Precipitation at CS2MET, probe no. 02; Noah IV rain gauge

SNOVAR05  
Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor

SOIVAN06  
Soil temperature at VARMET, probe no. 06 at depth 10 cm; established 15 Sep 2004

SOIVAN07  
Soil temperature at VARMET, probe no. 07 at depth 20 cm; established 15 Sep 2004

SOIVAN08  
Soil temperature at VARMET, probe no. 08 at depth 50 cm; established 15 Sep 2004

SOIVAN09  
Soil temperature at VARMET, probe no. 09 at depth 100 cm; established 15 Sep 2004

AIRCEN08  
Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield

AIRCS203  
Air temperature at CS2MET, probe no. 03 at height 150 cm

RELCS203  
Relative humidity at CS2MET, probe no. 03 at height 150 cm

DEWCS203  
Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015

VPDCS203  
Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202

WNDWS702  
Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm

WNDDCEN02  
Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm

RADWS701  
Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm

SOIWS701  
Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS702  
Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS703  
Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS704  
Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS701  
Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level

WNDWS701  
Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS703  
Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)

WNDWS704  
Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)

AIRWS701  
Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS702  
Air temperature at WS7MET, probe no. 02 at height 450 cm on tower

AIRWS703  
Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 150 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: VPD_METHOD
VPD001  Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a cotton region shelter at 150 cm height; the mean is output every 60 minutes
VPD002  Vapor pressure deficit is calculated from air temperature and relative humidity
sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes

VPD003 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes

VPD004 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes

VPD005 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes

VPD006 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes

VPD007 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP35C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 60 minutes

VPD008 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 150 cm height; the mean is output every 60 minutes

VPD009 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a locally designed PVC radiation shield at 450 cm height; the mean is output every 15 minutes

VPD101 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; cotton region shelter; 150 cm (VPD001)

VPD102 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; PVC radiation shield; 150 cm (VPD002)

VPD103 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP35C; PVC radiation shield; 450 cm (VPD003)

VPD104 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 150 cm (VPD004)

VPD105 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; PVC radiation shield; 450 cm (VPD005)

VPD106 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (VPD006)

VPD107 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 150 cm (VPD007)

VPD108 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (VPD008)
VPD109 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 150 cm (VPD009)

VPD110 Mean daily vapor pressure deficit is calculated by the Campbell Scientific datalogger from air temperature and relative humid sampled every 15 seconds. Max-min values are based on 15 second readings. CS Model HMP45C; RM Young Gill shield; 450 cm (VPD010)

VPD207 Mean daily vapor pressure deficit is post-calculated from all hourly mean values for the day. Max-min values are based on hourly mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD007)

VPD307 Mean daily vapor pressure deficit is post-calculated from all hourly mean values for the day. Max-min values are calculated from 15 second readings of air temperature and relative humidity. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD008)

VPD011 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; the mean is output every 5 minutes

VPD012 Vapor pressure deficit is calculated from air temperature and relative humidity sampled every 15 seconds by a Campbell Scientific model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; the mean is output every 5 minutes

VPD211 Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HC2S3-L; RM Young Gill shield; 150 cm (See method VPD011)

VPD212 Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD012)

VPD213 Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean air temp and rh values for the day. Max-min values are based on 5 minute means not instantaneous values. CS Model HMP45C; RM Young Gill shield; 150 cm (See method VPD013)

VPD214 Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean air temp and rh values for the day. Max-min values are based on 5 minute means not instantaneous values. CS Model HMP45C; RM Young Gill shield; 450 cm (See method VPD014)

VPD215 Mean daily vapor pressure deficit and vp are post-calculated from all 5 minute mean air temp and rh values for the day. Max-min values are based on 5 minute means not instantaneous values. CS Model HC2S3-L; RM Young Gill shield;
VPD316  Mean daily vapor pressure deficit and vp are post-calculated from all 15 minute mean air temp and rh values for the day. Max-min values are based on 15 minute means not instantaneous values. CSModel HMP45C; RMYoung Gill shield; 150 cm (See method VPD016)

VPD317  Mean daily vapor pressure deficit and vp are post-calculated from all 15 minute mean air temp and rh values for the day. Max-min values are based on 15 minute means not instantaneous values. CSModel HMP45C; RMYoung Gill shield; 450 cm (See method VPD017)

VPD013  Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; VPD, VP, SatVP means are output at 5 minute resolution

VPD014  Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; VPD, VP, SatVP means are output at 5 minute resolution

VPD015  Vapor pressure deficit is post-calculated from 5-minute mean air temperature and relative humidity from a CS model HC2S3-L probe housed in a R.M. Young Gill radiation shield at 150 cm height; VPD, VP, SatVP means are output at 5 minute resolution

VPD016  Vapor pressure deficit is post-calculated from 15-minute mean air temperature and relative humidity from a CS model HMP45C probe housed in a R.M. Young Gill radiation shield at 150 cm height; VPD, VP, SatVP means are output at 15 minute resolution

VPD017  Vapor pressure deficit is post-calculated from 15-minute mean air temperature and relative humidity from a CS model HMP45C probe housed in a R.M. Young Gill radiation shield at 450 cm height; VPD, VP, SatVP means are output at 15 minute resolution

Enumerated Domain for Attribute: VAP_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
M  Missing
E  Estimated value
Q  Questionable
B  Sensor buried in snow

Enumerated Domain for Attribute: SATVP_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing
Q  Questionable
B  Sensor buried in snow

Enumerated Domain for Attribute: SNOWMELT_TOT_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing
Q  Questionable
U  Snow lysimeter is undercatching snowmelt

Enumerated Domain for Attribute: PROBE_CODE
calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on
tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on
tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on
tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on
tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on
tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on
tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on
tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in
cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on
tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on
tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on
tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on
tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627
    cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup
    record not digitized beyond 2012
PPTH1501  Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent
    standard raingage, discontinued 1992
PPTH1502  Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02  Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies
    prevent sharing this data; discontinued 2010
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model;
    record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELSCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELSCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter;
    daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued
18 Oct 2001

SMPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01  Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02  Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03  Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04  Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05  Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01  Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02  Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01  Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01  Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02  Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03  Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01  Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02  Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03  Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13
July 1994

RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCE01   Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNPRI01   Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower,
calculated; begins 9 Apr 2015

**VPDCS203**  
Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202

**WNDWS702**  
Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm

**WNDCEN02**  
Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm

**RADWS701**  
Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm

**SOIWS701**  
Soil temperature at WS7MET, probe no. 01 at depth 10 cm

**SOIWS702**  
Soil temperature at WS7MET, probe no. 02 at depth 20 cm

**SOIWS703**  
Soil temperature at WS7MET, probe no. 03 at depth 50 cm

**SOIWS704**  
Soil temperature at WS7MET, probe no. 04 at depth 100 cm

**ATMWS701**  
Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level

**WNDWS701**  
Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

**WNDWS703**  
Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)

**WNDWS704**  
Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)

**AIRWS701**  
Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

**AIRWS702**  
Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

**AIRWS703**  
Air temperature at WS7MET, probe no. 03 at height 250 cm on tower

**AIRWS704**  
Air temperature at WS7MET, probe no. 04 at height 150 cm on tower

**AIRWS708**  
Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield

**RELWS701**  
Relative humidity at WS7MET, probe no. 01 at height 450 cm

**RELWS704**  
Relative humidity at WS7MET, probe no. 01 at height 150 cm

**DEWWS701**  
Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated

**DEWWS704**  
Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated

**VPDWS701**  
Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated

**VPDWS704**  
Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated

**SNOWS701**  
Snow depth at WS7MET, probe no. 01, snow depth sensor at south site

**SNOWS702**  
Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: `DBCODE`  
- **MS001**: FSDDB Database Code

Enumerated Domain for Attribute: `EVENT_CODE`  
- **INSREM**: Sensor is installed or removed
- **LOGGER**: Change in data logger, data logger program, or wiring
- **METHOD**: Change in data collection method
- **NA**: No event is reported (not applicable)
- **QUALTY**: Event may directly affect data quality
MAINTENANCE
A maintenance event has occurred

INTERNAL PROCESSING
Internal processing may produce an anomalous reading

WEATHER
A weather event has occurred that may affect reading

CALIBRATION
Associated with the inspection or replacement of sensors for calibration

SITE CLEARING
Site clearing of trees and brush around the meteorological station is being conducted

BURNING
Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SNOWMELT_METHOD
LYS001 Snow/rain water runoff is measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12". An A-35 chart recorder marks each tip on the chart and the number of tips are compiled every 15 minutes
LYS002 Snow/rain water runoff is measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12". A Campbell data logger records each tip and outputs the number of tips every 5 minutes
LYS101 Total daily snow/rain water runoff is post-calculated from the number of tips measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12" with an A-35 chart recorder (See Method LYS001)
LYS102 Total daily snow/rain water runoff is post-calculated from the number of tips measured by a custom-made tipping bucket with a lysimeter pan constructed with plywood with dimensions 92"x93"x12" with a Campbell Scientific data logger (See Method LYS002)

Enumerated Domain for Attribute: SWE_MED_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
M Missing
E Estimated value
Q Questionable
B Bulk sample taken due to low snow depth - 3 samples combined using weighted average

Enumerated Domain for Attribute: SNOWDEPTH_MED_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
M Missing
E Estimated value
Q Questionable

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04  Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01  Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02  Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03  Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001</td>
<td></td>
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<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001</td>
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<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001</td>
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<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001</td>
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<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001</td>
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<tr>
<td>SNOGEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td>SNOGEN02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
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<tr>
<td>SNOGEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station</td>
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<tr>
<td>SNOPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td>SNOPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
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<tr>
<td>SNOPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station</td>
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<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
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</tr>
<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut</td>
<td></td>
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<tr>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOICEN04</td>
<td>Soil temperature at CENMET, probe no. 04 at depth 100 cm</td>
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<td>SOIPRI01</td>
<td>Soil temperature at PRIMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOIPRI02</td>
<td>Soil temperature at PRIMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOIPRI03</td>
<td>Soil temperature at PRIMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOIPRI04</td>
<td>Soil temperature at PRIMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SOIUP01</td>
<td>Soil temperature at UPLMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOIUP02</td>
<td>Soil temperature at UPLMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOIUP03</td>
<td>Soil temperature at UPLMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOIUP04</td>
<td>Soil temperature at UPLMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SOIVAN01</td>
<td>Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007</td>
<td></td>
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<tr>
<td>SOIVAN02</td>
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<td>SOIVAN03</td>
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<td>SOIVAN04</td>
<td>Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007</td>
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<td>SOIVAN05</td>
<td>Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994</td>
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<td>RADCEN01</td>
<td>Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no.</td>
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RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
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WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
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AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
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<tr>
<td>WNDWS704</td>
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</tr>
<tr>
<td>SOIWS701</td>
<td>Soil temperature at WS7MET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOIWS702</td>
<td>Soil temperature at WS7MET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SOIWS703</td>
<td>Soil temperature at WS7MET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOIWS704</td>
<td>Soil temperature at WS7MET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>ATMWS701</td>
<td>Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level</td>
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<td>AIRWS701</td>
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<td>AIRWS702</td>
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<td>AIRWS704</td>
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<tr>
<td>AIRWS708</td>
<td>Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield</td>
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<tr>
<td>RELWS701</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELWS704</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 150 cm</td>
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<tr>
<td>DEWWS701</td>
<td>Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
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<td>DEWWS704</td>
<td>Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>VPDWS701</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS704</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>SNOWS701</td>
<td>Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)</td>
</tr>
<tr>
<td>SNOWS702</td>
<td>Snow depth at WS7MET, probe no. 02, snow depth sensor at west site</td>
</tr>
</tbody>
</table>

**Enumerated Domain for Attribute: DBCODE**

- **MS001**  
  FSDB Database Code

**Enumerated Domain for Attribute: EVENT_CODE**

- **INSREM**  
  Sensor is installed or removed
- **LOGGER**  
  Change in data logger, data logger program, or wiring
- **METHOD**  
  Change in data collection method
- **NA**  
  No event is reported (not applicable)
- **QUALTY**  
  Event may directly affect data quality
- **MAINTEN**  
  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SNOW_METHOD
SNO001  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow with Druck pressure transducer and instantaneous values are output at sunrise, sunset and midnight; no snow depth is recorded
SNO002  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow with Druck pressure transducer and instantaneous values are output hourly; no snow depth is recorded
SNO003  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow with Druck pressure transducer and instantaneous values are recorded every 5 minutes with median values output hourly; no snow depth is recorded
SNO004  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with a CS SR50 sonic ranging sensor attached to an independent pole near shelter; median 5-minute values are output hourly
SNO005  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with a Judd communications sensor attached to pole extension from shelter; median 5-minute values are output hourly
SNO006  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with a Judd communications sensor attached to pole extension from tower; median 5-minute values are output hourly
SNO007  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with a CS SR50 sonic ranging sensor attached to pole extension from tower; median 5-minute values are output hourly
SNO008  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with a Judd communications sensor attached to pole from tower over gravel pad; median 5-minute values are output hourly
SNO009  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50A sonic ranging sensor attached to pole from shelter over gravel pad; median 5-minute values are output hourly
SNO010  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50A sonic ranging sensor attached to pole from shelter over gravel pad; median 5-minute values are output hourly
SNO011  Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50A sonic ranging sensor attached to pole from tower over gravel pad; median 5-minute values are output hourly
Sonic ranging sensor attached from small tower over snow pillow; median 5-minute values are output hourly.

**SNO013** Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with CS SR50 sonic ranging sensor attached from small tower over snow pillow; median 5-minute values are output hourly.

**SNO101** Daily snow water equivalence (SWE) is the instantaneous midnight value; Park Mechanical pressure pillow with Druck pressure transducer (See Method SNO001).

**SNO102** Daily snow water equivalence (SWE) is the instantaneous midnight value; Park Mechanical pressure pillow with Druck pressure transducer (See Method SNO002).

**SNO103** Daily snow water equivalence (SWE) is the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer (See Method SNO003).

**SNO104** Daily snow water equivalence (SWE) and snow depth are the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50 sonic ranging sensor attached to pole (See Method SNO004).

**SNO105** Daily snow water equivalence (SWE) and snow depth are the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer; Judd communications sensor attached to shelter (See Method SNO005).

**SNO106** Daily snow water equivalence (SWE) and snow depth are the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer; Judd communications sensor attached to tower (See Method SNO006).

**SNO107** Daily snow water equivalence (SWE) and snow depth are the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50 sonic ranging sensor attached to tower (See Method SNO007).

**SNO108** Daily snow water equivalence (SWE) and snow depth are the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer; Judd communications sensor at tower over gravel pad (See Method SNO008).

**SNO109** Daily snow water equivalence (SWE) and snow depth are the median of 5 minute values over the last hour of the day; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50 sonic ranging sensor at shelter over gravel pad (See Method SNO009).

**SNO110** Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50A sonic ranging sensor at shelter over gravel pad (See Method SNO010).

**SNO111** Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50A sonic ranging sensor at tower over gravel pad (See Method SNO011).

**SNO112** Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50A sonic ranging sensor/sm. tower over snow pillow (See Method SNO012).

**SNO113** Daily snow water equivalence (SWE) and snow depth are the running median of preceding 5 minute values at midnight; Park Mechanical pressure pillow with Druck pressure transducer; CS SR50A sonic ranging sensor/sm. tower over snow pillow (See Method SNO013).

**SNO014** Snow depth only is recorded with CS SR50 sonic ranging sensor attached from small tower over snow pillow; median of 10-minute instantaneous values are output hourly.

**Enumerated Domain for Attribute: SOILTEMP_MEAN_FLAG**

- **E** Estimated value
- **M** Missing
- **Q** Questionable
- **S** Daily value based on sunrise to sunrise
Accepted value has passed all QC tests applied as represented by the quality level.

Enumerated Domain for Attribute: SOILTEMP_MAX_FLAG
A  Accepted value
E  Estimated value
M  Missing
Q  Questionable
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level.

Enumerated Domain for Attribute: SOILTEMP_MIN_FLAG
A  Accepted value
E  Estimated value
M  Missing
Q  Questionable
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level.

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 16 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02 Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03 Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
<table>
<thead>
<tr>
<th>Sensor Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>AIRVAN04</td>
<td>Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN05</td>
<td>Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995</td>
</tr>
<tr>
<td>DEWCEN01</td>
<td>Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWCEN04</td>
<td>Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWCS202</td>
<td>Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>DEWH1501</td>
<td>Dew point temperature at H15MET, probe no. 01 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWH1502</td>
<td>Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWPR01</td>
<td>Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>DEWPR04</td>
<td>Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWPR05</td>
<td>Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000</td>
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<tr>
<td>DEWUP01</td>
<td>Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWUP04</td>
<td>Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
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<tr>
<td>DEWVA01</td>
<td>Dew point temperature at VANMET, probe no. 01 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
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<tr>
<td>DEWVA04</td>
<td>Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWVA05</td>
<td>Dew point temperature at VANMET, probe no. 05 at height 150 cm in shelter, calculated; discontinued May 2000</td>
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<tr>
<td>VPDCEN01</td>
<td>Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>VPDCEN04</td>
<td>Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDCS202</td>
<td>Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>VPDH1501</td>
<td>Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDH1502</td>
<td>Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDPRI01</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>VPDPRI04</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>VPDPRI05</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000</td>
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<tr>
<td>VPDU01</td>
<td>Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>VPDU04</td>
<td>Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>VPDVAN01</td>
<td>Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDVAN04</td>
<td>Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
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<tr>
<td>LYSCEN01</td>
<td>Snow lysimeter at CENMET, probe no. 01</td>
</tr>
<tr>
<td>LYSU01</td>
<td>Snow lysimeter at UPLMET, probe no. 01</td>
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<tr>
<td>PRACT01</td>
<td>Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm</td>
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<tr>
<td>PPTCEN01</td>
<td>Precipitation at CENMET, probe no. 01, stand-alone model</td>
</tr>
<tr>
<td>PPTCEN02</td>
<td>Precipitation at CENMET, probe no. 02, shelter-top model</td>
</tr>
<tr>
<td>PPTCS01</td>
<td>Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012</td>
</tr>
</tbody>
</table>
| PPTH1501    | Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent
standard raingage, discontinued 1992

PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model

PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow

RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm

RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000

RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)

SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
<table>
<thead>
<tr>
<th>Probe Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SNOCEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor</td>
</tr>
<tr>
<td>SNOCEN02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
</tr>
<tr>
<td>SNOCEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station</td>
</tr>
<tr>
<td>SNOPRI01</td>
<td>Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor</td>
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<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor</td>
</tr>
<tr>
<td>SNOUPL02</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
</tr>
<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station</td>
</tr>
<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor</td>
</tr>
<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut</td>
</tr>
<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut</td>
</tr>
<tr>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SOICEN04</td>
<td>Soil temperature at CENMET, probe no. 04 at depth 100 cm</td>
</tr>
</tbody>
</table>
SOIPR01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPR02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPR03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPR04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCSN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDWS703 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTEN  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOILTEMP_METHOD
SOI001  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 10 cm depth; mean temperature is output every 60 minutes
SOI002  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 20 cm depth; mean temperature is output every 60 minutes
SOI003  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 50 cm depth; mean temperature is output every 60 minutes
SOI004  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 100 cm depth; mean temperature is output every 60 minutes
SOI005  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 30 cm depth; mean temperature is output every 60 minutes
SOI006  Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 10 cm depth; mean temperature is output every 60 minutes
Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 20 cm depth; mean temperature is output every 60 minutes.

Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 50 cm depth; mean temperature is output every 60 minutes.

Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 100 cm depth; mean temperature is output every 60 minutes.

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 10 cm depth; mean temperature is output every 5 minutes.

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 20 cm depth; mean temperature is output every 5 minutes.

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 50 cm depth; mean temperature is output every 5 minutes.

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 100 cm depth; mean temperature is output every 5 minutes.

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 10 cm depth (See method SOI001).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 20 cm depth (See method SOI002).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 50 cm depth (See method SOI003).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 100 cm depth (See method SOI004).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 30 cm depth (See method SOI005).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 10 cm depth; housed in PVC pipe (See method SOI006).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 20 cm depth; housed in PVC pipe (See method SOI007).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 50 cm depth; housed in PVC pipe (See method SOI008).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 100 cm depth; housed in PVC pipe (See method SOI009).

Mean daily soil temperature is calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 10 cm depth (See method SOI011).

Mean daily soil temperature is calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 20 cm depth (See method SOI012).

Mean daily soil temperature is calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 50 cm depth (See method SOI013).

Mean daily soil temperature is calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 100 cm depth (See method SOI014).

Mean daily soil temperature is calculated by the Campbell Scientific datalogger.
Mean daily soil temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; 10 cm depth

Mean daily soil temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. CS Model 107; 20 cm depth

Mean daily soil temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. CS Model 107; 30 cm depth

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 10 cm depth; mean temperature is output every 10 minutes

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 20 cm depth; mean temperature is output every 10 minutes

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 50 cm depth; mean temperature is output every 10 minutes

Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 100 cm depth; mean temperature is output every 10 minutes

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 10 cm depth (See method SOI016)

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 20 cm depth (See method SOI017)

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 50 cm depth (See method SOI018)

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 100 cm depth (See method SOI019)

Enumerated Domain for Attribute: PAR_MEAN_FLAG
E Estimated value
M Missing value
Q Questionable value
A Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: PAR_MAX_FLAG
E Estimated value
M Missing value
Q Questionable value
A Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRH1502</td>
<td>Air temperature at H15MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>AIRPRI01</td>
<td>Air temperature at PRIMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRPRI02</td>
<td>Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)</td>
</tr>
<tr>
<td>AIRPRI03</td>
<td>Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)</td>
</tr>
<tr>
<td>AIRPRI04</td>
<td>Air temperature at PRIMET, probe no. 04 at height 150 cm on tower</td>
</tr>
<tr>
<td>AIRPRI05</td>
<td>Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004</td>
</tr>
<tr>
<td>AIRUPL01</td>
<td>Air temperature at UPLMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRUPL02</td>
<td>Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL03</td>
<td>Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL04</td>
<td>Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN01</td>
<td>Air temperature at VANMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRVAN02</td>
<td>Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN03</td>
<td>Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN04</td>
<td>Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN05</td>
<td>Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995</td>
</tr>
<tr>
<td>DEWCEN01</td>
<td>Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWCEN04</td>
<td>Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWCS202</td>
<td>Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>DEWH1501</td>
<td>Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWH1502</td>
<td>Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWUPL01</td>
<td>Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWUPL04</td>
<td>Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>DEWVAN01</td>
<td>Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWVAN04</td>
<td>Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>VPDCEN01</td>
<td>Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDCEN04</td>
<td>Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDCS202</td>
<td>Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>VPDH1501</td>
<td>Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDH1502</td>
<td>Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDPRI01</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDPRI04</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
</tbody>
</table>
tower, calculated

VPDPR05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPLO1 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPLO4 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCSS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCSS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWCPRI01</td>
<td>Soil water content at PRIMET, probe no. 01 at depth 10 cm</td>
<td></td>
</tr>
<tr>
<td>SWCPRI02</td>
<td>Soil water content at PRIMET, probe no. 02 at depth 20 cm</td>
<td></td>
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<tr>
<td>SWCPRI03</td>
<td>Soil water content at PRIMET, probe no. 03 at depth 50 cm</td>
<td></td>
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<td>SWCPRI04</td>
<td>Soil water content at PRIMET, probe no. 04 at depth 100 cm</td>
<td></td>
</tr>
<tr>
<td>SWCCEN01</td>
<td>Soil water content at CENMET, probe no. 01 at depth 10 cm</td>
<td></td>
</tr>
<tr>
<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
<td></td>
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<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
<td></td>
</tr>
<tr>
<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
<td></td>
</tr>
<tr>
<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
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<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
<td></td>
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<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
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<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
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<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued</td>
<td>13 Nov 2002</td>
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<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued</td>
<td>13 Nov 2002</td>
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<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued</td>
<td>13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued</td>
<td>13 Nov 2002</td>
</tr>
<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
<td>23 May 2000</td>
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<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
<td>18 Oct 2001</td>
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<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
<td>18 Oct 2001</td>
</tr>
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<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued</td>
<td>18 Oct 2001</td>
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<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued</td>
<td>18 Oct 2001</td>
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<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued</td>
<td>9 Sep 2001</td>
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<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued</td>
<td>9 Sep 2001</td>
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<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
<td>9 Sep 2001</td>
</tr>
</tbody>
</table>
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCE01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
AIRPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIW702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: PAR_METHOD
PAR001 Photosynthetically active radiation (PAR) is sampled by a Campbell Scientific model LI190SB LI-COR sensor attached to the tower at 625 cm height; mean PAR is output every 15 minutes
PAR101 Mean daily photosynthetically active radiation (PAR) is calculated by the Campbell Scientific datalogger based on 15 second samples. Max values are based on 15 second instantaneous readings; CS model LI190SB, 625 cm height (See Method PAR001)
PAR002 Photosynthetically active radiation (PAR) is sampled by a Campbell Scientific model LI190SB LI-COR sensor attached to the tower at 625 cm height; mean PAR is output every 5 minutes with maximum PAR based on 15 second instantaneous readings
PAR102 Mean daily photosynthetically active radiation (PAR) is post-calculated from all 5 minute mean values for the day. Max values are based on the max 15 second instantaneous reading recorded every 5 minutes; CS model LI190SB, 625 cm ht. (See Method PAR002)

Enumerated Domain for Attribute: SOILWC_MEAN_FLAG
E Estimated value
M Missing
Q Questionable
A Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: SOILWC_MAX_FLAG
E Estimated value
M Missing
Q Questionable
A Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: SOILWC_MIN_FLAG
E Estimated value
M Missing
Q Questionable
A Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRCS201</td>
<td>Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999</td>
</tr>
<tr>
<td>AIRCS202</td>
<td>Air temperature at CS2MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>AIRH1501</td>
<td>Air temperature at H15MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>AIRH1502</td>
<td>Air temperature at H15MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>AIRPRI01</td>
<td>Air temperature at PRIMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRPRI02</td>
<td>Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)</td>
</tr>
<tr>
<td>AIRPRI03</td>
<td>Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003, 24 Jun 2004 to 30 Apr 2007)</td>
</tr>
<tr>
<td>AIRPRI04</td>
<td>Air temperature at PRIMET, probe no. 04 at height 150 cm on tower</td>
</tr>
<tr>
<td>AIRPRI05</td>
<td>Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004</td>
</tr>
<tr>
<td>AIRUPL01</td>
<td>Air temperature at UPLMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRUPL02</td>
<td>Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL03</td>
<td>Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm from 22 Jul 2004 - 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL04</td>
<td>Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN01</td>
<td>Air temperature at VANMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRVAN02</td>
<td>Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN03</td>
<td>Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm from 16 Jun 2004 - 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN04</td>
<td>Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN05</td>
<td>Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995</td>
</tr>
<tr>
<td>DEWCEN01</td>
<td>Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWCEN04</td>
<td>Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWCS202</td>
<td>Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>DEWH1501</td>
<td>Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>DEWH1502</td>
<td>Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
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<tr>
<td>DEWPRI01</td>
<td>Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>DEWPRI04</td>
<td>Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWPRI05</td>
<td>Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000</td>
</tr>
<tr>
<td>DEWUPL01</td>
<td>Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>DEWUPL04</td>
<td>Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>DEWVAN01</td>
<td>Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWVAN04</td>
<td>Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
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<tr>
<td>VPDCEN01</td>
<td>Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
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<tr>
<td>VPDCES04</td>
<td>Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDCS202</td>
<td>Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>VPDH1501</td>
<td>Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
</tbody>
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tower, calculated

VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPR01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPR04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPR05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04  Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01  Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02  Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03  Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01  Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02  Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03  Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9
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WNDCEN01: Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501: Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01: Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01: Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01: Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06: Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04: Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07: Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08: Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09: Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08: Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08: Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10: Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPPRI01: Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPRI01: Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02: Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02: Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02: Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02: Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202: Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05: Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06: Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07: Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08: Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09: Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08: Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203: Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203: Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203: Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203: Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702: Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCEN02: Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701: Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward
facing, one downward facing) are treated like a limited spectrum, shortwave net
radiometer, probe no. 01 at height 600 cm

SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected
to sea level

WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm
(discontinued 16 Sep 2012)

WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm
(discontinued 27 Jan 2008)

AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower

AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower

AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with
aspirated shield

RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm

RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm

DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower,
calculated

DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower,
calculated

VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 04 at height 450 cm on
tower, calculated

VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on
tower, calculated

SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site

SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site
(discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed

LOGGER Change in data logger, data logger program, or wiring

METHOD Change in data collection method

NA No event is reported (not applicable)

QUALTY Event may directly affect data quality

MAINTE A maintenance event has occurred

INTPRO Internal processing may produce an anomalous reading

WEATHR A weather event has occurred that may affect reading

CALIBR Associated with the inspection or replacement of sensors for calibration
Site clearing of trees and brush around the meteorological station is being conducted.

Burning of cleared trees and brush debris around the meteorological station is in progress.

**Enumerated Domain for Attribute: QC_LEVEL**

- **1P** Data is provisional and subject to revision - preliminary quality checks have been performed.
- **1A** Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
- **2A** Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed.
- **2D** Data is published and unlikely to change - data is derived or aggregated from published data of level 2A.
- **1D** Data is published and unlikely to change - data is derived or aggregated from published data of level 1A.

**Enumerated Domain for Attribute: SOILWC_METHOD**

- **SWC101** Mean daily soil volumetric water content at 10 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC001)
- **SWC102** Mean daily soil volumetric water content at 20 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC002)
- **SWC103** Mean daily soil volumetric water content at 50 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC003)
- **SWC104** Mean daily soil volumetric water content at 100 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC004)
- **SWC001** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 10 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes
- **SWC002** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 20 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes
- **SWC003** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 50 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes
- **SWC004** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 100 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes
- **SWC005** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 10 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes
- **SWC006** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 20 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes
- **SWC007** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 50 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes
- **SWC008** Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 100 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes
- **SWC105** Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 10cm dep (See method SWC005)
- **SWC106** Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 20cm dep (See method SWC006)
- **SWC107** Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 50cm dep (See method SWC006)
mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 90cm dep (See method SWC007)

SWC108
Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 100cm dep (See method SWC008)

Enumerated Domain for Attribute: PROBE_CODE

AIRCEN01
Air temperature at CENMET, probe no. 01 at height 450 cm on tower

AIRCEN02
Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)

AIRCEN03
Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)

AIRCEN04
Air temperature at CENMET, probe no. 04 at height 150 cm on tower

AIRCS201
Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999

AIRCS202
Air temperature at CS2MET, probe no. 02 at height 150 cm

AIRH1501
Air temperature at H15MET, probe no. 01 at height 450 cm

AIRH1502
Air temperature at H15MET, probe no. 02 at height 150 cm

AIRPRI01
Air temperature at PRIMET, probe no. 01 at height 450 cm on tower

AIRPRI02
Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)

AIRPRI03
Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)

AIRPRI04
Air temperature at PRIMET, probe no. 04 at height 150 cm on tower

AIRPRI05
Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004

AIRUPL01
Air temperature at UPLMET, probe no. 01 at height 450 cm on tower

AIRUPL02
Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)

AIRUPL03
Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)

AIRUPL04
Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)

AIRVAN01
Air temperature at VANMET, probe no. 01 at height 450 cm on tower

AIRVAN02
Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)

AIRVAN03
Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)

AIRVAN04
Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)

AIRVAN05
Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995

DEWCEN01
Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated

DEWCEN04
Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated

DEWCS202
Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

DEWH1501
Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated

DEWH1502
Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated

DEWPRI01
Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated

DEWPRI04
Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated

DEWPRI05
Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter,
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued
23 May 2000

SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000

SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001

SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001

SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001

SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001

SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001

SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001

SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001

SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001

SNOVAN01 Snow moisture and depth at VANMET, probe no. 01, average snow course measurement along transect near the station

SNOVAN02 Snow moisture and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut

SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut

SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor

SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow

SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station

SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor

SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor

SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow

SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station

SNOUPL04 Snow water equivalence and depth at UPLMET, probe no. 04, snow depth and calculated snow water around snow pillow

SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm

SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm

SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm

SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm

SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm

SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm

SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm

SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm

SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm

SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm

SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm

SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm

SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 Sep 2001
July 2007

SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WDNCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WDNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WDPRU01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WDPRU101 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WDPRVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRPRU08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADPRVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WDPRU02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WDPRVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15
Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
Air temperature at CS2MET, probe no. 03 at height 150 cm
Relative humidity at CS2MET, probe no. 03 at height 150 cm
Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
Soil temperature at WS7MET, probe no. 01 at depth 10 cm
Soil temperature at WS7MET, probe no. 02 at depth 20 cm
Soil temperature at WS7MET, probe no. 03 at depth 50 cm
Soil temperature at WS7MET, probe no. 04 at depth 100 cm
Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
Relative humidity at WS7MET, probe no. 01 at height 450 cm
Relative humidity at WS7MET, probe no. 01 at height 150 cm
Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)
Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
**LOGGER**
Change in data logger, data logger program, or wiring

**METHOD**
Change in data collection method

**NA**
No event is reported (not applicable)

**QUALTY**
Event may directly affect data quality

**MAINTE**
A maintenance event has occurred

**INTPRO**
Internal processing may produce an anomalous reading

**WEATHR**
A weather event has occurred that may affect reading

**CALIBR**
Associated with the inspection or replacement of sensors for calibration

**CLEARD**
Site clearing of trees and brush around the meteorological station is being conducted

**BURNED**
Burning of cleared trees and brush debris around the meteorological station is in progress

**Enumerated Domain for Attribute: QC_LEVEL**

1P  Data is provisional and subject to revision - preliminary quality checks have been performed

1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.

2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed

2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A

1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

**Enumerated Domain for Attribute: WIND_METHOD**

WND001  Windspeed is measured with cup-type anemometer and event marker on Rustrak strip (marks every .322 km of air movement) at 500 cm ht. Mean wind speed is output hourly with Interface Instrument logger. Daily max-mins are hourly means. No wind direction.

WND002  Wind speed and direction are not measured for this 4 year period

WND003  Wind speed sensors are R.M. Young 3-cup anemometer (#6101) tachometer generators mounted on a tower at height 1200 cm. Mean wind speed is output hourly. No wind direction recorded. Datalogger is Interface Instrument M-4. Daily max-mins are hourly means.

WND004  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1200 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND005  Wind speed and direction are sampled by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed is calculated and output on a sunrise to sunrise basis. Detection level 1 m/sec.

WND006  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND007  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND008  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND101  Mean daily windspeed is summarized from hourly means recorded by the Rustrak strip chart. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is measured. Cup-type anemometer;
500 cm (See method WND001)

WND102 Mean daily wind speed and direction are not measured for this 4 year period.

WND103 Mean daily windspeed is summarized from hourly means. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is recorded. RM Young 3-cup anemometer; 1200 cm (See method WND003)

WND104 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1200 cm (See method WND004)

WND105 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger on a sunrise to sunrise basis based on 15 second samples. Max-min values are based on instantaneous 15 second readings. (See method WND005)

WND106 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 600 cm (See method WND006)

WND107 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND007)

WND108 Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1000 cm (See method WND008)

WND009 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 15 minutes. Detection level 1 m/sec.

WND010 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean and max wind speed and direction are output every 5 minutes. Detection level 1 m/sec.

WND011 Wind speed (mean, max), direction, x-y wind components, instr. air temp and std deviations are sampled every 15 seconds by a Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with Campbell Scientific datalogger output every 5 minutes.

WND111 Mean daily wind speed, direction, x-y wind components, instrument air temp and std deviations are post-calculated from 5 minute values; Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with a Campbell Scientific datalogger (WND011)

WND110 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 5 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Sci

WND012 Wind speed, direction, x-y wind components, instrument air temp and std deviations are sampled every 15 seconds by a Vaisailla WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with a Campbell Scientific datalogger output every 5 minutes.

WND112 Mean and maximum instantaneous daily wind speed, direction and standard deviation are post-calculated from 5 minute values; Vaisailla WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with Campbell Scientific datalogger (See method WND012)

WND013 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 150 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND014 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 450 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.

WND015 Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 10 minutes. Detection level 1 m/sec.
WND113 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 150 cm height; Campbell Sci datalogger (See method WND013)

WND114 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 450 cm height; Campbell Sci datalogger (See method WND014)

WND115 Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Sci datalogger (See method WND015)

WND109 Mean daily wind speed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND009)

Enumerated Domain for Attribute: WSPD_SNC_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: WSPD_SNC_MAX_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: WDIR_SNC_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: WDIR_SNC_STDDEV_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
tower, calculated

VPDPR01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPR04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPR05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 01 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04  Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05  Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01  Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02  Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01  Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01  Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02  Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03  Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01  Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02  Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03  Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADPEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no.
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCE02 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward
facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm

SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm

SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm

SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm

SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm

ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level

WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm

WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)

WNDWS704 Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)

AIRWS701 Air temperature at WS7MET, probe no. 01 at height 450 cm on tower

AIRWS702 Air temperature at WS7MET, probe no. 02 at height 350 cm on tower

AIRWS703 Air temperature at WS7MET, probe no. 03 at height 250 cm on tower

AIRWS704 Air temperature at WS7MET, probe no. 04 at height 150 cm on tower

AIRWS708 Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield

RELWS701 Relative humidity at WS7MET, probe no. 01 at height 450 cm

RELWS704 Relative humidity at WS7MET, probe no. 01 at height 150 cm

DEWWS701 Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated

DEWWS704 Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated

VPDWS701 Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated

VPDWS704 Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated

SNOWS701 Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)

SNOWS702 Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINTE A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHER A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
Site clearing of trees and brush around the meteorological station is being conducted.

Burning of cleared trees and brush debris around the meteorological station is in progress.

**Enumerated Domain for Attribute: QC_LEVEL**

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1P</td>
<td>Data is provisional and subject to revision - preliminary quality checks have been performed.</td>
</tr>
<tr>
<td>1A</td>
<td>Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.</td>
</tr>
<tr>
<td>2A</td>
<td>Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed.</td>
</tr>
<tr>
<td>2D</td>
<td>Data is published and unlikely to change - data is derived or aggregated from published data of level 2A.</td>
</tr>
<tr>
<td>1D</td>
<td>Data is published and unlikely to change - data is derived or aggregated from published data of level 1A.</td>
</tr>
</tbody>
</table>

**Enumerated Domain for Attribute: SOLAR_METHOD**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD001</td>
<td>Solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; total solar radiation is output every 60 minutes.</td>
</tr>
<tr>
<td>RAD002</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 100 cm height; total solar radiation is output every 60 minutes.</td>
</tr>
<tr>
<td>RAD003</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with an Interface Instrument M4 data logger at 500 cm height; total solar radiation is output every 60 minutes.</td>
</tr>
<tr>
<td>RAD004</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 60 minutes.</td>
</tr>
<tr>
<td>RAD005</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 15 minutes.</td>
</tr>
<tr>
<td>RAD006</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 60 minutes.</td>
</tr>
<tr>
<td>RAD007</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is only output daily.</td>
</tr>
<tr>
<td>RAD008</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 60 minutes.</td>
</tr>
<tr>
<td>RAD009</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 15 minutes.</td>
</tr>
<tr>
<td>RAD010</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes.</td>
</tr>
<tr>
<td>RAD011</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; total solar radiation is output every 15 minutes.</td>
</tr>
<tr>
<td>RAD012</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; total solar radiation is output every 15 minutes.</td>
</tr>
<tr>
<td>RAD013</td>
<td>Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes.</td>
</tr>
<tr>
<td>RAD101</td>
<td>Total daily solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; maximum daily solar radiation is based on a highest mean hourly rate over the day.</td>
</tr>
<tr>
<td>RAD102</td>
<td>Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 100 cm height; maximum daily solar radiation is based on a highest mean hourly rate over the day.</td>
</tr>
<tr>
<td>RAD103</td>
<td>Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 500 cm height; maximum daily solar radiation is based on a highest mean hourly rate over the day.</td>
</tr>
</tbody>
</table>
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD004)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD005)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD006)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD007)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD008)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD009)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD010)

Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 600 cm height; values are output every 5 minutes

Daily net radiation components are post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD013)

Net radiation components are measured by the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger attached to the tower at 600 cm height; values are output every 5 minutes

Daily net radiation components are post-calculated from 5 minute data output with the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger; 600 cm height (see Method RAD014)

Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; mean, total, and maximum solar radiation is output every 5 minutes

Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 100 cm height; mean and total solar radiation is output every 5 minutes

Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; mean and total solar radiation is output every 5 minutes

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 850 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD015)

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 100 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD016)

Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 850 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD017)
maximum daily solar radiation is based on the highest 5 minute rate over the day (See RAD017)

RAD018 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 5 minutes

RAD019 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 10 minutes

RAD020 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 15 minutes

RAD118 Mean daily incoming and outgoing shortwave radiation are post-calculated from 5 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD018)

RAD119 Mean daily incoming and outgoing shortwave radiation are post-calculated from 10 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD019)

RAD120 Mean daily incoming and outgoing shortwave radiation are post-calculated from 15 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD020)

RAD021 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; mean, total, and maximum solar radiation is output every 5 minutes

RAD221 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 615 cm height; maximum daily solar radiation is based on the highest 5 minute rate over the day (See RAD021)

Enumerated Domain for Attribute: SW_IN_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: SW_OUT_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: LW_IN_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: LW_OUT_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q  Questionable value

Enumerated Domain for Attribute: NR_TOT_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: SENSOR_TEMP_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCES202 Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501  Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502  Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELFN1500 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELFN1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELLUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELLUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02 Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03 Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04 Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01 Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02 Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03 Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04 Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01 Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02 Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03 Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04 Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADDCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RDPRI01   Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
<table>
<thead>
<tr>
<th>Identifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNOVAR05</td>
<td>Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor</td>
</tr>
<tr>
<td>SOIVAN06</td>
<td>Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004</td>
</tr>
<tr>
<td>SOIVAN07</td>
<td>Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004</td>
</tr>
<tr>
<td>SOIVAN08</td>
<td>Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004</td>
</tr>
<tr>
<td>SOIVAN09</td>
<td>Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004</td>
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<tr>
<td>AIRCEN08</td>
<td>Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield</td>
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<tr>
<td>AIRCS203</td>
<td>Air temperature at CS2MET, probe no. 03 at height 150 cm</td>
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<tr>
<td>RELCS203</td>
<td>Relative humidity at CS2MET, probe no. 03 at height 150 cm</td>
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<tr>
<td>DEWCS203</td>
<td>Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015</td>
</tr>
<tr>
<td>VPDCS203</td>
<td>Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202</td>
</tr>
<tr>
<td>WNDWS702</td>
<td>Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm</td>
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<td>WNDCCEN02</td>
<td>Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm</td>
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<td>RADWS701</td>
<td>Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm</td>
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<tr>
<td>SOIWS701</td>
<td>Soil temperature at WS7MET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOIWS702</td>
<td>Soil temperature at WS7MET, probe no. 02 at depth 20 cm</td>
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<td>SOIWS703</td>
<td>Soil temperature at WS7MET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SOIWS704</td>
<td>Soil temperature at WS7MET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>ATMWS701</td>
<td>Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level</td>
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<tr>
<td>WNDWS701</td>
<td>Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm</td>
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<td>WNDWS703</td>
<td>Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)</td>
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<tr>
<td>WNDWS704</td>
<td>Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)</td>
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<td>AIRWS701</td>
<td>Air temperature at WS7MET, probe no. 01 at height 450 cm on tower</td>
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<tr>
<td>AIRWS702</td>
<td>Air temperature at WS7MET, probe no. 02 at height 350 cm on tower</td>
</tr>
<tr>
<td>AIRWS703</td>
<td>Air temperature at WS7MET, probe no. 03 at height 250 cm on tower</td>
</tr>
<tr>
<td>AIRWS704</td>
<td>Air temperature at WS7MET, probe no. 04 at height 150 cm on tower</td>
</tr>
<tr>
<td>AIRWS708</td>
<td>Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield</td>
</tr>
<tr>
<td>RELWS701</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELWS704</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 150 cm</td>
</tr>
<tr>
<td>DEWWS701</td>
<td>Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWWS704</td>
<td>Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS701</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS704</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>SNOWS701</td>
<td>Snow depth at WS7MET, probe no. 01, snow depth sensor at south site</td>
</tr>
</tbody>
</table>
Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001 FSDB Database Code

Enumerated Domain for Attribute: SWE_METHOD
SWE001 Station snow course is used to calculate SWE; course consists of five snow cores taken along a transect at the station; snow depth is the average of sample core depths; insufficient snow or snow conditions may prevent SWE measurement
SWE003 Snow depth measured at four snow stakes positioned at each corner of the snow pillow is used in conjunction with snow density measured along the station snow course transect to calculate SWE; depth is average at snow stakes
SWE002 Snow pillow course is used to calculate SWE; course consists of four snow cores taken near each corner of the snow pillow; snow depth is the average of sample core depths; insufficient snow or snow conditions may prevent SWE measurement

Enumerated Domain for Attribute: EVENT_CODE
INSREM Sensor is installed or removed
LOGGER Change in data logger, data logger program, or wiring
METHOD Change in data collection method
NA No event is reported (not applicable)
QUALTY Event may directly affect data quality
MAINT EVENT A maintenance event has occurred
INTPRO Internal processing may produce an anomalous reading
WEATHR A weather event has occurred that may affect reading
CALIBR Associated with the inspection or replacement of sensors for calibration
CLEARD Site clearing of trees and brush around the meteorological station is being conducted
BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P Data is provisional and subject to revision - preliminary quality checks have been performed
1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SWE_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
B Bulk sample taken due to low snow depth - 3 samples combined using weighted average
E Estimated value
M Missing value
Q Questionable value
Enumerated Domain for Attribute: SNOWDEP_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: SNOWDEP_CHECK_FLAG
M  Missing value
A  Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: SOILTEMP_MEAN_FLAG
E  Estimated value
M  Missing
Q  Questionable
S  Daily value based on sunrise to sunrise
A  Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPTH1501</td>
<td>Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992</td>
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<tr>
<td>PPTH1502</td>
<td>Precipitation at H15MET, probe no. 02 at height 410 cm</td>
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<tr>
<td>PPTPRI01</td>
<td>Precipitation at PRIMET, probe no. 01 at height 100 cm</td>
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<tr>
<td>PPTPRI02</td>
<td>Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010</td>
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<tr>
<td>PPTUPL01</td>
<td>Precipitation at UPLMET, probe no. 01 at height 457 cm, shelter-top model</td>
</tr>
<tr>
<td>PPTUPL02</td>
<td>Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model</td>
</tr>
<tr>
<td>PPTVAN01</td>
<td>Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001</td>
</tr>
<tr>
<td>PPTVAR02</td>
<td>Precipitation at VARMET, probe no. 02, stand-alone model in meadow</td>
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<tr>
<td>RELCEN01</td>
<td>Relative humidity at CENMET, probe no. 01 at height 450 cm</td>
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<tr>
<td>RELCEN04</td>
<td>Relative humidity at CENMET, probe no. 04 at height 150 cm</td>
</tr>
<tr>
<td>RELCS201</td>
<td>Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999</td>
</tr>
<tr>
<td>RELCS202</td>
<td>Relative humidity at CS2MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>RELH1501</td>
<td>Relative humidity at H15MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELH1502</td>
<td>Relative humidity at H15MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>RELPRI01</td>
<td>Relative humidity at PRIMET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELPRI04</td>
<td>Relative humidity at PRIMET, probe no. 04 at height 150 cm</td>
</tr>
<tr>
<td>RELPRI05</td>
<td>Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000</td>
</tr>
<tr>
<td>RELUPL01</td>
<td>Relative humidity at UPLMET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELUPL04</td>
<td>Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>RELVAN01</td>
<td>Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer</td>
</tr>
<tr>
<td>RELVAN04</td>
<td>Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>SWCPR101</td>
<td>Soil water content at PRIMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SWCPR102</td>
<td>Soil water content at PRIMET, probe no. 02 at depth 20 cm</td>
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<td>SWCPR103</td>
<td>Soil water content at PRIMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCPR104</td>
<td>Soil water content at PRIMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCCEN01</td>
<td>Soil water content at CENMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
</tr>
</tbody>
</table>
SWCVAN01 Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02 Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03 Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04 Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01 Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02 Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03 Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04 Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPPRI01 Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02 Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03 Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04 Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01 Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02 Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03 Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04 Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01 Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02 Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03 Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04 Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05 Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCEN01 Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02 Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03 Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow water equivalence and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELC203   Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCE02   Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET; two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated

VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated

VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated

SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site

SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOILTEMP_METHOD
SOI001  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 10 cm depth; mean temperature is output every 60 minutes
SOI002  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 20 cm depth; mean temperature is output every 60 minutes
SOI003  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 50 cm depth; mean temperature is output every 60 minutes
SOI004  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 100 cm depth; mean temperature is output every 60 minutes
SOI005  Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 30 cm depth; mean temperature is output every 60 minutes
SOI006 Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 10 cm depth; mean temperature is output every 60 minutes.

SOI007 Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 20 cm depth; mean temperature is output every 60 minutes.

SOI008 Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 50 cm depth; mean temperature is output every 60 minutes.

SOI009 Soil temperature is sampled by a Campbell Scientific model 107 thermistor housed in PVC pipe at 100 cm depth; mean temperature is output every 60 minutes.

SOI011 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 10 cm depth; mean temperature is output every 5 minutes.

SOI012 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 20 cm depth; mean temperature is output every 5 minutes.

SOI013 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 50 cm depth; mean temperature is output every 5 minutes.

SOI014 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 100 cm depth; mean temperature is output every 5 minutes.

SOI101 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 10 cm depth (See method SOI001).

SOI102 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 20 cm depth (See method SOI002).

SOI103 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 50 cm depth (See method SOI003).

SOI104 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 100 cm depth (See method SOI004).

SOI105 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 30 cm depth (See method SOI005).

SOI106 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 10 cm depth; housed in PVC pipe (See method SOI006).

SOI107 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 20 cm depth; housed in PVC pipe (See method SOI007).

SOI108 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 50 cm depth; housed in PVC pipe (See method SOI008).

SOI109 Mean daily soil temperature is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. CS Model 107; 100 cm depth; housed in PVC pipe (See method SOI009).

SOI111 Mean daily soil temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 10 cm depth (See method SOI011).

SOI112 Mean daily soil temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 20 cm depth (See method SOI012).

SOI113 Mean daily soil temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 50 cm depth (See method SOI013).

SOI114 Mean daily soil temperature is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. CS Model 107; 100 cm depth (See method SOI014).
Mean daily soil temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; 10 cm depth

Mean daily soil temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; 20 cm depth

Mean daily soil temperature is calculated by the Campbell Scientific datalogger and output on a sunrise to sunrise basis. Max-min values are based on instantaneous 15 second readings. CS Model 107; 30 cm depth

SOI016 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 10 cm depth; mean temperature is output every 10 minutes

SOI017 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 20 cm depth; mean temperature is output every 10 minutes

SOI018 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 50 cm depth; mean temperature is output every 10 minutes

SOI019 Soil temperature is sampled by a Campbell Scientific model 107 thermistor placed directly in soil at 100 cm depth; mean temperature is output every 10 minutes

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 10 cm depth (See method SOI016)

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 20 cm depth (See method SOI017)

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 50 cm depth (See method SOI018)

Mean daily soil temperature is post-calculated from all 10 minute mean values for the day. Max-min values are based on 10 minute mean intervals and not instantaneous values. CS Model 107; 100 cm depth (See method SOI019)

Enumerated Domain for Attribute: PAR_MEAN_FLAG
- E: Estimated value
- M: Missing value
- Q: Questionable value
- A: Accepted value has passed all QC tests applied as represented by the quality level

Enumerated Domain for Attribute: PROBE_CODE
- AIRCEN01 Air temperature at CENMET, probe no. 01 at height 450 cm on tower
- AIRCEN02 Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
- AIRCEN03 Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
- AIRCEN04 Air temperature at CENMET, probe no. 04 at height 150 cm on tower
- AIRCS201 Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
- AIRCS202 Air temperature at CS2MET, probe no. 02 at height 150 cm
- AIRH1501 Air temperature at H15MET, probe no. 01 at height 450 cm
- AIRH1502 Air temperature at H15MET, probe no. 02 at height 150 cm
- AIRPRI01 Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
- AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
- AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
- AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01  Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04  Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202  Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501  Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502  Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01  Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04  Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05  Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01  Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04  Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01  Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04  Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01  Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04  Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202  Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501  Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502  Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01  Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04  Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05  Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01  Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04  Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01  Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04  Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on
towers, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501  Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502  Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02  Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCS01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCS04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued</td>
</tr>
<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
</tr>
<tr>
<td>SNOCCEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with</td>
</tr>
<tr>
<td>SNOCCEN02</td>
<td>snow depth sensor</td>
</tr>
<tr>
<td>SNOCCEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and</td>
</tr>
<tr>
<td>SNOCCEN04</td>
<td>calculated snow water around snow pillow</td>
</tr>
<tr>
<td>SNOCCEN05</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow</td>
</tr>
<tr>
<td>SNOOPRI01</td>
<td>course measurement along transect near the station</td>
</tr>
<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with</td>
</tr>
<tr>
<td>SNOUPL02</td>
<td>snow depth sensor</td>
</tr>
<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and</td>
</tr>
</tbody>
</table>
calculated snow water around snow pillow

**SNOUPL03** Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station

**SNOVAN01** Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor

**SNOVAN02** Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut

**SNOVAN03** Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut

**SOICEN01** Soil temperature at CENMET, probe no. 01 at depth 10 cm

**SOICEN02** Soil temperature at CENMET, probe no. 02 at depth 20 cm

**SOICEN03** Soil temperature at CENMET, probe no. 03 at depth 50 cm

**SOICEN04** Soil temperature at CENMET, probe no. 04 at depth 100 cm

**SOIPRI01** Soil temperature at PRIMET, probe no. 01 at depth 10 cm

**SOIPRI02** Soil temperature at PRIMET, probe no. 02 at depth 20 cm

**SOIPRI03** Soil temperature at PRIMET, probe no. 03 at depth 50 cm

**SOIPRI04** Soil temperature at PRIMET, probe no. 04 at depth 100 cm

**SOIUPL01** Soil temperature at UPLMET, probe no. 01 at depth 10 cm

**SOIUPL02** Soil temperature at UPLMET, probe no. 02 at depth 20 cm

**SOIUPL03** Soil temperature at UPLMET, probe no. 03 at depth 50 cm

**SOIUPL04** Soil temperature at UPLMET, probe no. 04 at depth 100 cm

**SOIVAN01** Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007

**SOIVAN02** Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007

**SOIVAN03** Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007

**SOIVAN04** Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007

**SOIVAN05** Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994

**RADCEN01** Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm

**RADPRI01** Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm

**RADUPL01** Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm

**RADVAN01** Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm

**WNDH1501** Wind speed and direction at H15MET, probe no. 01 at height 500 cm

**WNDPRI01** Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm

**WNDUPL01** Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm

**WNDVAN01** Wind speed and direction at VANMET, probe no. 01 at height 1000 cm

**AIRPRI06** Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield

**SNOVAR04** Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow

**AIRPRI07** Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with
aspirated shield

AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05 Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06 Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07 Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08 Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09 Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08 Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203 Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203 Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203 Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDACS203 Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702 Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCEN02 Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701 Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701 Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702 Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703 Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704 Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701 Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701 Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703 Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
<table>
<thead>
<tr>
<th>Network Code</th>
<th>Data Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNDWS704</td>
<td>Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)</td>
</tr>
<tr>
<td>AIRWS701</td>
<td>Air temperature at WS7MET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRWS702</td>
<td>Air temperature at WS7MET, probe no. 02 at height 350 cm on tower</td>
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<tr>
<td>AIRWS703</td>
<td>Air temperature at WS7MET, probe no. 03 at height 250 cm on tower</td>
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<td>AIRWS704</td>
<td>Air temperature at WS7MET, probe no. 04 at height 150 cm on tower</td>
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<tr>
<td>AIRWS708</td>
<td>Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield</td>
</tr>
<tr>
<td>RELWS701</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELWS704</td>
<td>Relative humidity at WS7MET, probe no. 01 at height 150 cm</td>
</tr>
<tr>
<td>DEWWS701</td>
<td>Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWWS704</td>
<td>Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS701</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDWS704</td>
<td>Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>SNOWS701</td>
<td>Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)</td>
</tr>
<tr>
<td>SNOWS702</td>
<td>Snow depth at WS7MET, probe no. 02, snow depth sensor at west site</td>
</tr>
</tbody>
</table>

Enumerated Domain for Attribute: DBCODE
- MS001 FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
- INSREM Sensor is installed or removed
- LOGGER Change in data logger, data logger program, or wiring
- METHOD Change in data collection method
- NA No event is reported (not applicable)
- QUALTY Event may directly affect data quality
- MAINT A maintenance event has occurred
- INTPRO Internal processing may produce an anomalous reading
- WEATHER A weather event has occurred that may affect reading
- CALIBR Associated with the inspection or replacement of sensors for calibration
- CLEARD Site clearing of trees and brush around the meteorological station is being conducted
- BURNED Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
- 1P Data is provisional and subject to revision - preliminary quality checks have been performed
- 1A Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
- 2A Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
- 2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
- 1D Data is published and unlikely to change - data is derived or aggregated from
Published data of level 1A

**Enumerated Domain for Attribute: PAR_METHOD**

**PAR001** Photosynthetically active radiation (PAR) is sampled by a Campbell Scientific model LI190SB LI-COR sensor attached to the tower at 625 cm height; mean PAR is output every 15 minutes.

**PAR101** Mean daily photosynthetically active radiation (PAR) is calculated by the Campbell Scientific datalogger based on 15 second samples. Max values are based on 15 second instantaneous readings; CS model LI190SB, 625 cm height. (See Method PAR001)

**PAR002** Photosynthetically active radiation (PAR) is sampled by a Campbell Scientific model LI190SB LI-COR sensor attached to the tower at 625 cm height; mean PAR is output every 5 minutes with maximum PAR based on 15 second instantaneous readings.

**PAR102** Mean daily photosynthetically active radiation (PAR) is post-calculated from all 5 minute mean values for the day. Max values are based on the max 15 second instantaneous reading recorded every 5 minutes; CS model LI190SB, 625 cm ht. (See Method PAR002)

**Enumerated Domain for Attribute: SOILWC_MEAN_FLAG**

- E: Estimated value
- M: Missing
- Q: Questionable
- A: Accepted value has passed all QC tests applied as represented by the quality level

**Enumerated Domain for Attribute: PROBE_CODE**

**AIRCEN01** Air temperature at CENMET, probe no. 01 at height 450 cm on tower

**AIRCEN02** Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)

**AIRCEN03** Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)

**AIRCEN04** Air temperature at CENMET, probe no. 04 at height 150 cm on tower

**AIRCS201** Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999

**AIRCS202** Air temperature at CS2MET, probe no. 02 at height 150 cm

**AIRH1501** Air temperature at H15MET, probe no. 01 at height 450 cm

**AIRH1502** Air temperature at H15MET, probe no. 02 at height 150 cm

**AIRPRI01** Air temperature at PRIMET, probe no. 01 at height 450 cm on tower

**AIRPRI02** Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)

**AIRPRI03** Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)

**AIRPRI04** Air temperature at PRIMET, probe no. 04 at height 150 cm on tower

**AIRPRI05** Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004

**AIRUPL01** Air temperature at UPLMET, probe no. 01 at height 450 cm on tower

**AIRUPL02** Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)

**AIRUPL03** Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)

**AIRUPL04** Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)

**AIRVAN01** Air temperature at VANMET, probe no. 01 at height 450 cm on tower

**AIRVAN02** Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm
AIRVAN03
Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 16 Jun 2004 to 25 Jul 2007)

AIRVAN04
Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)

AIRVAN05
Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995

DEWCEN01
Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated

DEWCEN04
Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated

DEWCS202
Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

DEWH1501
Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated

DEWH1502
Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated

DEWPRI01
Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated

DEWPRI04
Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated

DEWPRI05
Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000

DEWUPL01
Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated

DEWUPL04
Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

DEWVAN01
Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated

DEWVAN04
Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

VPDCEN01
Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated

VPDCEN04
Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated

VPDCS202
Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998

VPDH1501
Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated

VPDH1502
Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated

VPDPRI01
Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated

VPDPRI04
Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated

VPDPRI05
Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000

VPDUPL01
Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated

VPDUPL04
Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)

VPDVAN01
Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated

VPDVAN04
Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

LYSCEN01
Snow lysimeter at CENMET, probe no. 01

LYSH1501
Snow lysimeter at H15MET, probe no. 01

LYSUPL01
Snow lysimeter at UPLMET, probe no. 01

PARCEN01
Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm

PPTCEN01
Precipitation at CENMET, probe no. 01, stand-alone model

PPTCEN02
Precipitation at CENMET, probe no. 02, shelter-top model
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPTCS201</td>
<td>Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012</td>
</tr>
<tr>
<td>PPTH1501</td>
<td>Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992</td>
</tr>
<tr>
<td>PPTH1502</td>
<td>Precipitation at H15MET, probe no. 02 at height 410 cm</td>
</tr>
<tr>
<td>PPTPRI01</td>
<td>Precipitation at PRIMET, probe no. 01 at height 100 cm</td>
</tr>
<tr>
<td>PPTPRI02</td>
<td>Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010</td>
</tr>
<tr>
<td>PPTUPL01</td>
<td>Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model</td>
</tr>
<tr>
<td>PPTUPL02</td>
<td>Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model</td>
</tr>
<tr>
<td>PPTVAN01</td>
<td>Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001</td>
</tr>
<tr>
<td>PPTVAR02</td>
<td>Precipitation at VARMET, probe no. 02, stand-alone model in meadow</td>
</tr>
<tr>
<td>RELCEN01</td>
<td>Relative humidity at CENMET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELCEN04</td>
<td>Relative humidity at CENMET, probe no. 04 at height 150 cm</td>
</tr>
<tr>
<td>RELCS201</td>
<td>Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999</td>
</tr>
<tr>
<td>RELCS202</td>
<td>Relative humidity at CS2MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>RELH1501</td>
<td>Relative humidity at H15MET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELH1502</td>
<td>Relative humidity at H15MET, probe no. 02 at height 150 cm</td>
</tr>
<tr>
<td>RELPRI01</td>
<td>Relative humidity at PRIMET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELPRI04</td>
<td>Relative humidity at PRIMET, probe no. 04 at height 150 cm</td>
</tr>
<tr>
<td>RELPRI05</td>
<td>Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000</td>
</tr>
<tr>
<td>RELUPL01</td>
<td>Relative humidity at UPLMET, probe no. 01 at height 450 cm</td>
</tr>
<tr>
<td>RELUPL04</td>
<td>Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>RELVAN01</td>
<td>Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer</td>
</tr>
<tr>
<td>RELVAN04</td>
<td>Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>SWCPRI01</td>
<td>Soil water content at PRIMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCPRI02</td>
<td>Soil water content at PRIMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCPRI03</td>
<td>Soil water content at PRIMET, probe no. 03 at depth 50 cm</td>
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<tr>
<td>SWCPRI04</td>
<td>Soil water content at PRIMET, probe no. 04 at depth 100 cm</td>
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<td>SWCCEN01</td>
<td>Soil water content at CENMET, probe no. 01 at depth 10 cm</td>
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<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
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<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
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<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
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<td>SWCUPLO1</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
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<tr>
<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
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<td>Code</td>
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<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
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<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
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<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
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<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued</td>
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<td>13 Nov 2002</td>
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<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued</td>
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<td>SMPCEN03</td>
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<tr>
<td>SMPCEN04</td>
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<td>SMPPRI01</td>
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<td>SMPPRI02</td>
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<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued</td>
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<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued</td>
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<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued</td>
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<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued</td>
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<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued</td>
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<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued</td>
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<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued</td>
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<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued</td>
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<td>9 Sep 2001</td>
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<tr>
<td>SNOCEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with</td>
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<td>snow depth sensor</td>
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<tr>
<td>SNOCEN02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and</td>
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<tr>
<td></td>
<td>calculated snow water around snow pillow</td>
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<tr>
<td>SNOCEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow course</td>
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<tr>
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<td>measurement along transect near the station</td>
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<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with</td>
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<tr>
<td></td>
<td>snow depth sensor</td>
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<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth at VANMET, probe no. 02, snow depth and</td>
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<tr>
<td></td>
<td>calculated snow water around snow pillow in clearcut</td>
</tr>
<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth at VANMET, probe no. 03, average snow course</td>
</tr>
<tr>
<td></td>
<td>measurement along transect near the station in the clearcut</td>
</tr>
<tr>
<td>SOICEN01</td>
<td>Soil temperature at CENMET, probe no. 01 at depth 10 cm</td>
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<tr>
<td>SOICEN02</td>
<td>Soil temperature at CENMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SOICEN03</td>
<td>Soil temperature at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
</tbody>
</table>
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADDCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDNCEN01  Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELC2S03  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINT  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOILWC_METHOD
SWC101  Mean daily soil volumetric water content at 10 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC001)
SWC102  Mean daily soil volumetric water content at 20 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC002)
SWC103  Mean daily soil volumetric water content at 50 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer (See Method SWC003)
SWC104  Mean daily soil volumetric water content at 100 cm depth is calculated by the Campbell Scientific datalogger based on 15 second samples. Max-min values based on instantaneous 15 second readings. Model CS615 water content reflectometer
Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 10 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 20 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 50 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 100 cm depth; mean soil volumetric water content on a fractional basis is output every 60 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 10 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 20 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 50 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes.

Soil volumetric water content is sampled by a Campbell Scientific model 615 water content reflectometer placed horizontally in soil at 100 cm depth; mean soil volumetric water content on a fractional basis is output every 5 minutes.

Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 10 cm dep (See method SWC005).

Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 20 cm dep (See method SWC006).

Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 50 cm dep (See method SWC007).

Mean daily soil volumetric water content is post-calculated from all 5 minute mean values for the day. Max-min values are based on 5 minute mean intervals and not instantaneous values. Model CS615 water content reflectometer; 100 cm dep (See method SWC008).

Enumerated Domain for Attribute: PROBE_CODE

Air temperature at CENMET, probe no. 01 at height 450 cm on tower

Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)

Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)

Air temperature at CENMET, probe no. 04 at height 150 cm on tower

Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999

Air temperature at CS2MET, probe no. 02 at height 150 cm

Air temperature at H15MET, probe no. 01 at height 450 cm

Air temperature at H15MET, probe no. 02 at height 150 cm

Air temperature at PRIMET, probe no. 01 at height 450 cm on tower

Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)

Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)

Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRPRI05</td>
<td>Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004</td>
</tr>
<tr>
<td>AIRUPL01</td>
<td>Air temperature at UPLMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRUPL02</td>
<td>Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL03</td>
<td>Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 to 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)</td>
</tr>
<tr>
<td>AIRUPL04</td>
<td>Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN01</td>
<td>Air temperature at VANMET, probe no. 01 at height 450 cm on tower</td>
</tr>
<tr>
<td>AIRVAN02</td>
<td>Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN03</td>
<td>Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm from 17 Oct 2002 to 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)</td>
</tr>
<tr>
<td>AIRVAN04</td>
<td>Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>AIRVAN05</td>
<td>Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995</td>
</tr>
<tr>
<td>DEWCEN01</td>
<td>Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWCEN04</td>
<td>Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWCS202</td>
<td>Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>DEWH1501</td>
<td>Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWH1502</td>
<td>Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWPR101</td>
<td>Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWPR104</td>
<td>Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWPR105</td>
<td>Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000</td>
</tr>
<tr>
<td>DEWUPL01</td>
<td>Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWUPL04</td>
<td>Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>DEWVAN01</td>
<td>Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>DEWVAN04</td>
<td>Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)</td>
</tr>
<tr>
<td>VPDCEN01</td>
<td>Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDCEN04</td>
<td>Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDCS202</td>
<td>Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998</td>
</tr>
<tr>
<td>VPDH1501</td>
<td>Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDH1502</td>
<td>Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDPRI01</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDPRI04</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDPRI05</td>
<td>Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000</td>
</tr>
<tr>
<td>VPDUPL01</td>
<td>Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDUPL04</td>
<td>Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)</td>
</tr>
<tr>
<td>VPDVAN01</td>
<td>Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated</td>
</tr>
<tr>
<td>VPDVAN04</td>
<td>Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated</td>
</tr>
</tbody>
</table>
tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)

LYSCEN01  Snow lysimeter at CENMET, probe no. 01
LYSH1501  Snow lysimeter at H15MET, probe no. 01
LYSUPL01  Snow lysimeter at UPLMET, probe no. 01
PARCEN01  Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01  Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02  Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201  Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501  Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502  Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01  Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02  Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
SMPCEN01  Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCEN02  Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCEN03  Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCEN04  Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPRI01  Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPRI02  Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPRI03  Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPRI04  Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000
SMPUPL01  Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001
SMPUPL02  Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001
SMPUPL03  Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001
SMPUPL04  Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001
SMPVAN01  Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001
SMPVAN02  Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001
SMPVAN03  Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001
SMPVAN04  Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001
SMPVAN05  Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001
SNOCCEN01  Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCCEN02  Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCCEN03  Snow water equivalence and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01  Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01  Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02  Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and
calculated snow water around snow pillow

SNOUPL03  Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01  Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02  Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03  Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01  Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02  Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03  Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04  Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01  Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02  Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03  Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04  Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01  Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02  Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03  Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04  Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01  Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02  Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03  Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04  Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05  Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01  Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01  Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01  Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01  Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDH1501  Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01  Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01  Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01  Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with
aspirated shield

AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDWSEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS71  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMW71  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower, calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower, calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site (discontinued 14 May 2007)
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINTE  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags.
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from...
Published data of level 1A

Enumerated Domain for Attribute: WIND_METHOD

WND001  Windspeed is measured with cup-type anemometer and event marker on Rustrak strip (marks every .322 km of air movement) at 500 cm ht. Mean wind speed is output hourly with Interface Instrument logger. Daily max-mins are hourly means. No wind direction.

WND002  Wind speed and direction are not measured for this 4 year period

WND003  Wind speed sensors are R.M. Young 3-cup anemometer (#6101) tachometer generators mounted on a tower at height 1200 cm. Mean wind speed is output hourly. No wind direction recorded. Datalogger is Interface Instrument M-4. Daily max-mins are hourly means.

WND004  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1200 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND005  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed is calculated and output on a sunrise to sunrise basis. Detection level 1 m/sec.

WND006  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 600 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND007  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND008  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output hourly. Detection level 1 m/sec.

WND101  Mean daily windspeed is summarized from hourly means recorded by the Rustrak strip chart. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is measured. Cup-type anemometer; 500 cm (See method WND001)

WND102  Mean daily wind speed and direction are not measured for this 4 year period

WND103  Mean daily windspeed is summarized from hourly means. Daily max-mins values are based on hourly means and not instantaneous values. No wind direction is recorded. RM Young 3-cup anemometer; 1200 cm (See method WND003)

WND104  Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1200 cm (See method WND004)

WND105  Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger on a sunrise to sunrise basis based on 15 second samples. Max-min values are based on instantaneous 15 second readings. (See method WND005)

WND106  Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 600 cm (See method WND006)

WND107  Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND007)

WND108  Mean daily windspeed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 1000 cm (See method WND008)

WND009  Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 500 cm with a Campbell Scientific datalogger. Mean wind speed and direction are output every 15 minutes. Detection level 1 m/sec.
Wind speed and direction are sampled every 15 seconds by a RM Young Model 05103 Wind Monitor mounted to the tower at 1000 cm with a Campbell Scientific datalogger. Mean and max wind speed and direction are output every 5 minutes. Detection level 1 m/sec.

Wind speed (mean, max), direction, x-y wind components, instr. air temp and std deviations are sampled every 15 seconds by a Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with Campbell Scientific datalogger output every 5 minutes.

Mean daily wind speed, direction, x-y wind components, instrument air temp and std deviations are post-calculated from 5 minute values; Gill WindObserver II ultrasonic anemometer mounted to tower at 1000 cm with a Campbell Scientific datalogger (WND011).

Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 5 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Scientific datalogger output every 5 minutes.

Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 5 minute values; Vaisala WAS425A ultrasonic wind sensor mounted to the tower at 1000 cm with a Campbell Scientific datalogger (See method WND012).

Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 150 cm height; Campbell Scientific datalogger (See method WND013).

Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 450 cm height; Campbell Scientific datalogger (See method WND014).

Mean daily wind speed, direction, and std dev, magnitude are post-calculated from 10 minute values; daily max wind speed if available is based on instantaneous readings; RM Young wind monitor; 1000 cm height; Campbell Scientific datalogger (See method WND015).

Mean daily wind speed, direction and other wind components are calculated by the Campbell Scientific data logger based on 15 second samples. Max-min values are based on instantaneous 15 second readings. RM Young wind monitor; 500 cm (See method WND009).

Enumerated Domain for Attribute: WSPD_SNC_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value

Enumerated Domain for Attribute: WSPD_SNC_MAX_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q  Questionable value

Enumerated Domain for Attribute: WDIR_SNC_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: WDIR_SNC_STDDEV_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02  Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03  Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04  Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05  Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01  Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02  Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03  Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm from 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04  Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01  Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02  Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03  Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04  Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05  Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04 Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWH1501 Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502 Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01 Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04 Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05 Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDHS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02  Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01  Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02  Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01  Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02  Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01  Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04  Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201  Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202  Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501  Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502  Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01  Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04  Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05  Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01  Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04  Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01  Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04  Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRI01  Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRI02  Soil water content at PRIMET, probe no. 02 at depth 20 cm
SWCPRI03  Soil water content at PRIMET, probe no. 03 at depth 50 cm
SWCPRI04  Soil water content at PRIMET, probe no. 04 at depth 100 cm
SWCCEN01  Soil water content at CENMET, probe no. 01 at depth 10 cm
SWCCEN02  Soil water content at CENMET, probe no. 02 at depth 20 cm
SWCCEN03  Soil water content at CENMET, probe no. 03 at depth 50 cm
SWCCEN04  Soil water content at CENMET, probe no. 04 at depth 100 cm
SWCUPL01  Soil water content at UPLMET, probe no. 01 at depth 10 cm
SWCUPL02  Soil water content at UPLMET, probe no. 02 at depth 20 cm
SWCUPL03  Soil water content at UPLMET, probe no. 03 at depth 50 cm
SWCUPL04  Soil water content at UPLMET, probe no. 04 at depth 100 cm
SWCVAN01  Soil water content at VANMET, probe no. 01 at depth 10 cm
SWCVAN02  Soil water content at VANMET, probe no. 02 at depth 20 cm
SWCVAN03  Soil water content at VANMET, probe no. 03 at depth 50 cm
SWCVAN04  Soil water content at VANMET, probe no. 04 at depth 100 cm
<table>
<thead>
<tr>
<th>Probe Code</th>
<th>Description</th>
<th>Depth</th>
<th>Status</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential</td>
<td>10 cm</td>
<td>discontinued</td>
<td>13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential</td>
<td>20 cm</td>
<td>discontinued</td>
<td>13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential</td>
<td>50 cm</td>
<td>discontinued</td>
<td>13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential</td>
<td>100 cm</td>
<td>discontinued</td>
<td>13 Nov 2002</td>
</tr>
<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential</td>
<td>10 cm</td>
<td>discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential</td>
<td>20 cm</td>
<td>discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential</td>
<td>50 cm</td>
<td>discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential</td>
<td>100 cm</td>
<td>discontinued</td>
<td>23 May 2000</td>
</tr>
<tr>
<td>SMPUPL01</td>
<td>Soil moisture potential</td>
<td>10 cm</td>
<td>discontinued</td>
<td>18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential</td>
<td>20 cm</td>
<td>discontinued</td>
<td>18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential</td>
<td>50 cm</td>
<td>discontinued</td>
<td>18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL04</td>
<td>Soil moisture potential</td>
<td>100 cm</td>
<td>discontinued</td>
<td>18 Oct 2001</td>
</tr>
<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential</td>
<td>10 cm</td>
<td>discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential</td>
<td>20 cm</td>
<td>discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential</td>
<td>50 cm</td>
<td>discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential</td>
<td>100 cm</td>
<td>discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential</td>
<td>30 cm</td>
<td>discontinued</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOCEN01</td>
<td>Snow water equivalence and depth</td>
<td>30 cm</td>
<td>snow pillow with snow depth sensor</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOCEN02</td>
<td>Snow water equivalence and depth</td>
<td>20 cm</td>
<td>snow depth and calculated snow water around snow pillow</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOCEN03</td>
<td>Snow water equivalence and depth</td>
<td>50 cm</td>
<td>average snow course measurement along transect near the station</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOPRI01</td>
<td>Snow water equivalence and depth</td>
<td>10 cm</td>
<td>snow pillow with snow depth sensor</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOUPL01</td>
<td>Snow water equivalence and depth</td>
<td>10 cm</td>
<td>snow pillow with snow depth sensor</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOUPL02</td>
<td>Snow water equivalence and depth</td>
<td>20 cm</td>
<td>snow depth and calculated snow water around snow pillow</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOUPL03</td>
<td>Snow water equivalence and depth</td>
<td>50 cm</td>
<td>average snow course measurement along transect near the station</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOVAN01</td>
<td>Snow water equivalence and depth</td>
<td>10 cm</td>
<td>snow pillow with snow depth sensor</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOVAN02</td>
<td>Snow water equivalence and depth</td>
<td>20 cm</td>
<td>snow depth and calculated snow water around snow pillow in clearcut</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SNOVAN03</td>
<td>Snow moisture and depth</td>
<td>50 cm</td>
<td>average snow course measurement along transect near the station in the clearcut</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOICEN01</td>
<td>Soil temperature</td>
<td>10 cm</td>
<td>CENMET, probe no. 01</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOICEN02</td>
<td>Soil temperature</td>
<td>20 cm</td>
<td>CENMET, probe no. 02</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOICEN03</td>
<td>Soil temperature</td>
<td>50 cm</td>
<td>CENMET, probe no. 03</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOICEN04</td>
<td>Soil temperature</td>
<td>100 cm</td>
<td>CENMET, probe no. 04</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOIPRI01</td>
<td>Soil temperature</td>
<td>10 cm</td>
<td>PRIMET, probe no. 01</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOIPRI02</td>
<td>Soil temperature</td>
<td>20 cm</td>
<td>PRIMET, probe no. 02</td>
<td>9 Sep 2001</td>
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<tr>
<td>SOIPRI03</td>
<td>Soil temperature</td>
<td>50 cm</td>
<td>PRIMET, probe no. 03</td>
<td>9 Sep 2001</td>
</tr>
<tr>
<td>SOIPRI04</td>
<td>Soil temperature</td>
<td>100 cm</td>
<td>PRIMET, probe no. 04</td>
<td>9 Sep 2001</td>
</tr>
</tbody>
</table>
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDCEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06 Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04 Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07 Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08 Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09 Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08 Air temperature at UPLMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAN08 Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10 Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01 Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01 Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02 Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RADVAN02 Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02 Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02 Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202 Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow
          with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep
          2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep
          2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep
          2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15
          Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with
          aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower,
          calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on
          tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at
          height 1000 cm
WNDCCN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at
          height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward
          facing, one downward facing) are treated like a limited spectrum, shortwave net
          radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected
          to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm
          (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm
          (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with
          aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower,
          calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower,
          calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm on
          tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on
          tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site (discontinued 14 May 2007)

Enumerated Domain for Attribute: DBCODE
MS001  FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM  Sensor is installed or removed
LOGGER  Change in data logger, data logger program, or wiring
METHOD  Change in data collection method
NA  No event is reported (not applicable)
QUALTY  Event may directly affect data quality
MAINT  A maintenance event has occurred
INTPRO  Internal processing may produce an anomalous reading
WEATHR  A weather event has occurred that may affect reading
CALIBR  Associated with the inspection or replacement of sensors for calibration
CLEARD  Site clearing of trees and brush around the meteorological station is being conducted
BURNED  Burning of cleared trees and brush debris around the meteorological station is in progress

Enumerated Domain for Attribute: QC_LEVEL
1P  Data is provisional and subject to revision - preliminary quality checks have been performed
1A  Data is published and unlikely to change - automated range checking and manual review has been conducted. Quality is indicated in data value qualifier flags
2A  Data is published and unlikely to change - Level 1A data has been modified such that data gaps may be filled or problem data may be removed
2D  Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D  Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: SOLAR_METHOD
RAD001  Solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; total solar radiation is output every 60 minutes
RAD002  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 100 cm height; total solar radiation is output every 60 minutes
RAD003  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Interface Instrument M4 data logger at 500 cm height; total solar radiation is output every 60 minutes
RAD004  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 60 minutes
RAD005  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 15 minutes
RAD006  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 100 cm height; total solar radiation is output every 15 minutes
RAD007  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is only output daily
RAD008  Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar
Radiation is output every 60 minutes

**RAD009**  
Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 450 cm height; total solar radiation is output every 15 minutes

**RAD010**  
Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes

**RAD011**  
Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 615 cm height; total solar radiation is output every 15 minutes

**RAD012**  
Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; total solar radiation is output every 15 minutes

**RAD013**  
Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-5, with a Campbell Scientific data logger at 850 cm height; total solar radiation is output every 15 minutes

**RAD101**  
Total daily solar radiation is measured by a Lintronic dome solarimeter at 500 cm height with an Interface Instruments datalogger and Rustrak strip chart; maximum daily solar radiation is based on a highest mean hourly rate over the day

**RAD102**  
Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 100 cm height; maximum daily solar radiation is based on a highest mean hourly rate over the day

**RAD103**  
Total daily solar radiation is measured by a Kipp and Zonen solar radiation pyranometer totaled hourly with an Interface Instrument data logger at 500 cm height; maximum daily solar radiation is based on a highest mean hourly rate over the day

**RAD104**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD004)

**RAD105**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD005)

**RAD106**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 100 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD006)

**RAD107**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD007)

**RAD108**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD008)

**RAD109**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 450 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD010)

**RAD110**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD011)

**RAD111**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 625 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD012)

**RAD112**  
Total daily solar radiation is measured by a Kipp and Zonen pyranometer sampled every 15 seconds by a Campbell Scientific data logger at 850 cm height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD013)
height; maximum daily solar radiation is based on the highest 15 second rate over the day (See method RAD013)

RAD014 Net radiation components are measured by the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger attached to the tower at 600 cm height; values are output every 5 minutes

RAD114 Daily net radiation components are post-calculated from 5 minute data output from the Hukseflux NR01, 4-component net radiation sensor with a Campbell Scientific data logger; 600 cm height (see Method RAD014)

RAD015 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 625 cm height; mean, total, and maximum solar radiation is output every 5 minutes

RAD016 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 100 cm height; mean and total solar radiation is output every 5 minutes

RAD017 Solar radiation is measured by a Kipp and Zonen solar radiation pyranometer, model CM-6B, with a Campbell Scientific data logger at 850 cm height; mean and total solar radiation is output every 5 minutes

RAD215 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 625 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD015)

RAD216 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 100 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD016)

RAD217 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 850 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD017)

RAD018 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 5 minutes

RAD019 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 10 minutes

RAD020 Net shortwave radiation is measured by two LI-COR 200X pyranometers (one upward facing, one downward facing) with a Campbell Scientific data logger attached to the tower at 450 cm; ingoing, outgoing shortwave radiation is output every 15 minutes

RAD118 Mean daily incoming and outgoing shortwave radiation are post-calculated from 5 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD018)

RAD119 Mean daily incoming and outgoing shortwave radiation are post-calculated from 10 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD019)

RAD120 Mean daily incoming and outgoing shortwave radiation are post-calculated from 15 minute data output as measured by two LI-COR 200X pyranometers with a Campbell Scientific data logger; 450 cm height (See method RAD020)

RAD221 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 615 cm height; maximum daily solar radiation is output every 5 minutes

RAD221 Daily solar radiation is post-calculated from 5 minute data output with Kipp and Zonen solar radiation pyranometer, model CM-6B, CS data logger at 615 cm height; maximum daily solar radiation is based on the highest 5 minute rate over day (See RAD221)

Enumerated Domain for Attribute: SW_IN_MEAN_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
M Missing value
Q Questionable value
Enumerated Domain for Attribute: SW_OUT_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: LW_IN_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: LW_OUT_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: NR_TOT_MEAN_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: SENSOR_TEMP_FLAG
A  Accepted value has passed all QC tests applied as represented by the quality level
E  Estimated value
M  Missing value
Q  Questionable value

Enumerated Domain for Attribute: PROBE_CODE
AIRCEN01  Air temperature at CENMET, probe no. 01 at height 450 cm on tower
AIRCEN02  Air temperature at CENMET, probe no. 02 at height 350 cm on tower (450 cm from 4 Nov 2002 to 24 Sep 2007)
AIRCEN03  Air temperature at CENMET, probe no. 03 at height 250 cm on tower (150 cm from 31 Oct 2002 to 24 Sep 2007)
AIRCEN04  Air temperature at CENMET, probe no. 04 at height 150 cm on tower
AIRCS201  Air temperature at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
AIRCS202  Air temperature at CS2MET, probe no. 02 at height 150 cm
AIRH1501  Air temperature at H15MET, probe no. 01 at height 450 cm
AIRH1502  Air temperature at H15MET, probe no. 02 at height 150 cm
AIRPRI01  Air temperature at PRIMET, probe no. 01 at height 450 cm on tower
AIRPRI02 Air temperature at PRIMET, probe no. 02 at height 350 cm on tower (450 cm from 24 Sep 2002 to 30 Apr 2007)
AIRPRI03 Air temperature at PRIMET, probe no. 03 at height 250 cm on tower (150 cm from 24 Sep 2002 to 6 Jul 2003; 24 Jun 2004 to 30 Apr 2007)
AIRPRI04 Air temperature at PRIMET, probe no. 04 at height 150 cm on tower
AIRPRI05 Air temperature at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 14 June 2004
AIRUPL01 Air temperature at UPLMET, probe no. 01 at height 450 cm on tower
AIRUPL02 Air temperature at UPLMET, probe no. 02 at height 350 cm on tower (450 cm from 28 Jun 2004 to 16 Jul 2007)
AIRUPL03 Air temperature at UPLMET, probe no. 03 at height 250 cm on tower (350 cm 21 Oct 2002 - 22 Jul 2004; 150 cm 22 Jul 2004 - 16 Jul 2007)
AIRUPL04 Air temperature at UPLMET, probe no. 04 at height 150 cm on tower (450 cm from 24 Oct 2002 to 18 Jun 2004)
AIRVAN01 Air temperature at VANMET, probe no. 01 at height 450 cm on tower
AIRVAN02 Air temperature at VANMET, probe no. 02 at height 350 cm on tower (450 cm from 16 Jun 2004 to 25 Jul 2007)
AIRVAN03 Air temperature at VANMET, probe no. 03 at height 150 cm on tower (350 cm 17 Oct 2002 - 16 Jun 2004; 150 cm 16 Jun 2004 - 25 Jul 2007)
AIRVAN04 Air temperature at VANMET, probe no. 04 at height 150 cm on tower (450 cm from 17 Oct 2002 to 16 Jun 2004)
AIRVAN05 Air temperature at VANMET, probe no. 05 at height 50 cm; discontinued 5 Oct 1995
DEWCEN01 Dew point temperature at CENMET, probe no. 01 at height 450 cm on tower, calculated
DEWCEN04 Dew point temperature at CENMET, probe no. 04 at height 150 cm on tower, calculated
DEWCS202 Dew point temperature at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
DEWH1501 Dew point temperature at H15MET, probe no. 01 at height 450 cm on tower, calculated
DEWH1502 Dew point temperature at H15MET, probe no. 02 at height 150 cm on tower, calculated
DEWPRI01 Dew point temperature at PRIMET, probe no. 01 at height 450 cm on tower, calculated
DEWPRI04 Dew point temperature at PRIMET, probe no. 04 at height 150 cm on tower, calculated
DEWPRI05 Dew point temperature at PRIMET, probe no. 05 at height 150 cm in shelter, calculated; direct measurement before Jul 1988; discontinued 2000
DEWUPL01 Dew point temperature at UPLMET, probe no. 01 at height 450 cm on tower, calculated
DEWUPL04 Dew point temperature at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
DEWVAN01 Dew point temperature at VANMET, probe no. 01 at height 450 cm on tower, calculated
DEWVAN04 Dew point temperature at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
VPDCEN01 Water vapor pressure deficit at CENMET, probe no. 01 at height 450 cm on tower, calculated
VPDCEN04 Water vapor pressure deficit at CENMET, probe no. 04 at height 150 cm on tower, calculated
VPDCS202 Water vapor pressure deficit at CS2MET, probe no. 02 at height 150 cm on tower, calculated; begins 14 Apr 1998
VPDH1501 Water vapor pressure deficit at H15MET, probe no. 01 at height 450 cm on tower, calculated
VPDH1502 Water vapor pressure deficit at H15MET, probe no. 02 at height 150 cm on tower, calculated
VPDPRI01 Water vapor pressure deficit at PRIMET, probe no. 01 at height 450 cm on tower, calculated
VPDPRI04 Water vapor pressure deficit at PRIMET, probe no. 04 at height 150 cm on tower, calculated
VPDPRI05 Water vapor pressure deficit at PRIMET, probe no. 05 at height 150 cm in cotton region shelter, calculated; discontinued May 2000
VPDUPL01 Water vapor pressure deficit at UPLMET, probe no. 01 at height 450 cm on tower, calculated
VPDUPL04 Water vapor pressure deficit at UPLMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 24 Oct 2002 to 18 Jun 2004)
VPDVAN01 Water vapor pressure deficit at VANMET, probe no. 01 at height 450 cm on tower, calculated
VPDVAN04 Water vapor pressure deficit at VANMET, probe no. 04 at height 150 cm on tower, calculated (450 cm from 17 Oct 2002 to 16 Jun 2004)
LYSCEN01 Snow lysimeter at CENMET, probe no. 01
LYSH1501 Snow lysimeter at H15MET, probe no. 01
LYSUPL01 Snow lysimeter at UPLMET, probe no. 01
PARCEN01 Photosynthetically active radiation (PAR) at CENMET, probe no. 1 at height 627 cm
PPTCEN01 Precipitation at CENMET, probe no. 01, stand-alone model
PPTCEN02 Precipitation at CENMET, probe no. 02, shelter-top model
PPTCS201 Precipitation at CS2MET, probe no. 01; Universal rain gauge chart; backup record not digitized beyond 2012
PPTH1501 Precipitation at H15MET, probe no. 01 at height 410 cm prorated to adjacent standard raingage, discontinued 1992
PPTH1502 Precipitation at H15MET, probe no. 02 at height 410 cm
PPTPRI01 Precipitation at PRIMET, probe no. 01 at height 100 cm
PPTPRI02 Precipitation at PRIMET, probe no. 02, stand-alone model; inconsistencies prevent sharing this data; discontinued 2010
PPTUPL01 Precipitation at UPLMET, probe no. 01 at height 457 cm, stand-alone model
PPTUPL02 Precipitation at UPLMET, probe no. 02 at height 627 cm, shelter-top model
PPTVAN01 Precipitation at VANMET, probe no. 01 at height 305 cm, shelter-top model; record ends Feb 1996; discontinued Sep 2001
PPTVAR02 Precipitation at VARMET, probe no. 02, stand-alone model in meadow
RELCEN01 Relative humidity at CENMET, probe no. 01 at height 450 cm
RELCEN04 Relative humidity at CENMET, probe no. 04 at height 150 cm
RELCS201 Relative humidity at CS2MET, probe no. 01 at height 130 cm in cotton shelter; daily min-max hygrothermograph charts; discontinued 1999
RELCS202 Relative humidity at CS2MET, probe no. 02 at height 150 cm
RELH1501 Relative humidity at H15MET, probe no. 01 at height 450 cm
RELH1502 Relative humidity at H15MET, probe no. 02 at height 150 cm
RELPRI01 Relative humidity at PRIMET, probe no. 01 at height 450 cm
RELPRI04 Relative humidity at PRIMET, probe no. 04 at height 150 cm
RELPRI05 Relative humidity at PRIMET, probe no. 05 at height 150 cm in cotton region shelter; discontinued 30 May 2000
RELUPL01 Relative humidity at UPLMET, probe no. 01 at height 450 cm
RELUPL04 Relative humidity at UPLMET, probe no. 04 at height 150 cm (450 cm from 24 Oct 2002 to 18 Jun 2004)
RELVAN01 Relative humidity at VANMET, probe no. 01 at height 450 cm; originally probe was repositioned at 150 cm in summer
RELVAN04 Relative humidity at VANMET, probe no. 04 at height 150 cm (450 cm from 17 Oct 2002 to 16 Jun 2004)
SWCPRIO1 Soil water content at PRIMET, probe no. 01 at depth 10 cm
SWCPRIO2 Soil water content at PRIMET, probe no. 02 at depth 20 cm
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWCPRI03</td>
<td>Soil water content at PRIMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCPRI04</td>
<td>Soil water content at PRIMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCCEN01</td>
<td>Soil water content at CENMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCCEN02</td>
<td>Soil water content at CENMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCCEN03</td>
<td>Soil water content at CENMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCCEN04</td>
<td>Soil water content at CENMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCUPL01</td>
<td>Soil water content at UPLMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCUPL02</td>
<td>Soil water content at UPLMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCUPL03</td>
<td>Soil water content at UPLMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCUPL04</td>
<td>Soil water content at UPLMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SWCVAN01</td>
<td>Soil water content at VANMET, probe no. 01 at depth 10 cm</td>
</tr>
<tr>
<td>SWCVAN02</td>
<td>Soil water content at VANMET, probe no. 02 at depth 20 cm</td>
</tr>
<tr>
<td>SWCVAN03</td>
<td>Soil water content at VANMET, probe no. 03 at depth 50 cm</td>
</tr>
<tr>
<td>SWCVAN04</td>
<td>Soil water content at VANMET, probe no. 04 at depth 100 cm</td>
</tr>
<tr>
<td>SMPCEN01</td>
<td>Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN02</td>
<td>Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN03</td>
<td>Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPCEN04</td>
<td>Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002</td>
</tr>
<tr>
<td>SMPPRI01</td>
<td>Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPPRI02</td>
<td>Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPPRI03</td>
<td>Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPPRI04</td>
<td>Soil moisture potential at PRIMET, probe no. 04 at depth 100 cm; discontinued 23 May 2000</td>
</tr>
<tr>
<td>SMPUPL01</td>
<td>Soil moisture potential at UPLMET, probe no. 01 at depth 10 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL02</td>
<td>Soil moisture potential at UPLMET, probe no. 02 at depth 20 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL03</td>
<td>Soil moisture potential at UPLMET, probe no. 03 at depth 50 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPUPL04</td>
<td>Soil moisture potential at UPLMET, probe no. 04 at depth 100 cm; discontinued 18 Oct 2001</td>
</tr>
<tr>
<td>SMPVAN01</td>
<td>Soil moisture potential at VANMET, probe no. 01 at depth 10 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN02</td>
<td>Soil moisture potential at VANMET, probe no. 02 at depth 20 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN03</td>
<td>Soil moisture potential at VANMET, probe no. 03 at depth 50 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN04</td>
<td>Soil moisture potential at VANMET, probe no. 04 at depth 100 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SMPVAN05</td>
<td>Soil moisture potential at VANMET, probe no. 05 at depth 30 cm; discontinued 9 Sep 2001</td>
</tr>
<tr>
<td>SNOCCEN01</td>
<td>Snow water equivalence and depth at CENMET, probe no. 01, snow pillow with snow depth sensor</td>
</tr>
<tr>
<td>SNOCCEN02</td>
<td>Snow water equivalence and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow</td>
</tr>
<tr>
<td>SNOCCEN03</td>
<td>Snow water equivalence and depth at CENMET, probe no. 03, average snow</td>
</tr>
</tbody>
</table>
course measurement along transect near the station

SNOPRI01 Snow water equivalence and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01 Snow water equivalence and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02 Snow water equivalence and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03 Snow water equivalence and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01 Snow water equivalence and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
SNOVAN02 Snow water equivalence and depth at VANMET, probe no. 02, snow depth and calculated snow water around snow pillow in clearcut
SNOVAN03 Snow moisture and depth at VANMET, probe no. 03, average snow course measurement along transect near the station in the clearcut
SOICEN01 Soil temperature at CENMET, probe no. 01 at depth 10 cm
SOICEN02 Soil temperature at CENMET, probe no. 02 at depth 20 cm
SOICEN03 Soil temperature at CENMET, probe no. 03 at depth 50 cm
SOICEN04 Soil temperature at CENMET, probe no. 04 at depth 100 cm
SOIPRI01 Soil temperature at PRIMET, probe no. 01 at depth 10 cm
SOIPRI02 Soil temperature at PRIMET, probe no. 02 at depth 20 cm
SOIPRI03 Soil temperature at PRIMET, probe no. 03 at depth 50 cm
SOIPRI04 Soil temperature at PRIMET, probe no. 04 at depth 100 cm
SOIUPL01 Soil temperature at UPLMET, probe no. 01 at depth 10 cm
SOIUPL02 Soil temperature at UPLMET, probe no. 02 at depth 20 cm
SOIUPL03 Soil temperature at UPLMET, probe no. 03 at depth 50 cm
SOIUPL04 Soil temperature at UPLMET, probe no. 04 at depth 100 cm
SOIVAN01 Soil temperature at VANMET, probe no. 01 at depth 10 cm; discontinued 29 July 2007
SOIVAN02 Soil temperature at VANMET, probe no. 02 at depth 20 cm; discontinued 29 July 2007
SOIVAN03 Soil temperature at VANMET, probe no. 03 at depth 50 cm; discontinued 29 July 2007
SOIVAN04 Soil temperature at VANMET, probe no. 04 at depth 100 cm; discontinued 29 July 2007
SOIVAN05 Soil temperature at VANMET, probe no. 05 at depth 30 cm; discontinued 13 July 1994
RADCEN01 Solar radiation using pyranometer (incoming shortwave) at CENMET, probe no. 01 at height 627 cm
RADPRI01 Solar radiation using pyranometer (incoming shortwave) at PRIMET, probe no. 01 at height 100 cm
RADUPL01 Solar radiation using pyranometer (incoming shortwave) at UPLMET, probe no. 01 at height 617 cm
RADVAN01 Solar radiation using pyranometer (incoming shortwave) at VANMET, probe no. 01 at height 860 cm
WNDMEN01 Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNDH1501 Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNDPRI01 Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNDUPL01 Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNDVAN01 Wind speed and direction at VANMET, probe no. 01 at height 1000 cm
AIRPRI06  Air temperature at PRIMET, probe no. 06 at height 150 cm on tower with aspirated shield
SNOVAR04  Snow moisture and depth at VARMET, probe no. 04, average snow course measurement along transect in the meadow
AIRPRI07  Air temperature at PRIMET, probe no. 07 at height 250 cm on tower with aspirated shield
AIRPRI08  Air temperature at PRIMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRPRI09  Air temperature at PRIMET, probe no. 09 at height 450 cm on tower with aspirated shield
AIRUPL08  Air temperature at UPLMET, probe no. 08 at height 450 cm on tower with aspirated shield
AIRVAN08  Air temperature at VANMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRVAR10  Air temperature at VARMET, probe no. 10 at height 450 cm on stand-alone rain gauge in meadow
ATMPRI01  Atmospheric pressure at PRIMET, probe no. 01 at elevation 430 m corrected to sea level
ATMUPL01  Atmospheric pressure at UPLMET, probe no. 01 at elevation 1294 m corrected to sea level
RADPRI02  Net radiation measurements at PRIMET, probe no. 02 at height 600 cm
RDVAN02  Net radiation measurements at VANMET, probe no. 02 at height 600 cm
WNDPRI02  Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNDVAN02  Wind speed and direction using sonic anemometer at VANMET, probe no. 02 at height 1000 cm
PPTCS202  Precipitation at CS2MET, probe no. 02; Noah IV rain gauge
SNOVAR05  Snow moisture and depth at VARMET, probe no. 05 in meadow, snow pillow with snow depth sensor
SOIVAN06  Soil temperature at VANMET, probe no. 06 at depth 10 cm; established 15 Sep 2004
SOIVAN07  Soil temperature at VANMET, probe no. 07 at depth 20 cm; established 15 Sep 2004
SOIVAN08  Soil temperature at VANMET, probe no. 08 at depth 50 cm; established 15 Sep 2004
SOIVAN09  Soil temperature at VANMET, probe no. 09 at depth 100 cm; established 15 Sep 2004
AIRCEN08  Air temperature at CENMET, probe no. 08 at height 350 cm on tower with aspirated shield
AIRCS203  Air temperature at CS2MET, probe no. 03 at height 150 cm
RELCS203  Relative humidity at CS2MET, probe no. 03 at height 150 cm
DEWCS203  Dew point temperature at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 9 Apr 2015
VPDCS203  Water vapor pressure deficit at CS2MET, probe no. 03 at height 150 cm on tower, calculated; begins 09 Apr 2015; replaces VPDCS202
WNDWS702  Wind speed and direction using sonic anemometer at WS7MET, probe no. 02 at height 1000 cm
WNDCCEN02  Wind speed and direction using sonic anemometer at CENMET, probe no. 02 at height 1000 cm
RADWS701  Net radiation at WS7MET: two LI-COR 200X pyranometer sensors (one upward facing, one downward facing) are treated like a limited spectrum, shortwave net radiometer, probe no. 01 at height 600 cm
SOIWS701  Soil temperature at WS7MET, probe no. 01 at depth 10 cm
SOIWS702  Soil temperature at WS7MET, probe no. 02 at depth 20 cm
SOIWS703  Soil temperature at WS7MET, probe no. 03 at depth 50 cm
SOIWS704  Soil temperature at WS7MET, probe no. 04 at depth 100 cm
ATMWS701  Atmospheric pressure at WS7MET, probe no. 01 at elevation 998 m corrected to sea level
WNDWS701  Wind speed and direction at WS7MET, probe no. 01 at height 1000 cm
WNDWS703  Wind speed and direction at WS7MET, probe no. 03 at height 450 cm
            (discontinued 16 Sep 2012)
WNDWS704  Wind speed and direction at WS7MET, probe no. 04 at height 150 cm
            (discontinued 27 Jan 2008)
AIRWS701  Air temperature at WS7MET, probe no. 01 at height 450 cm on tower
AIRWS702  Air temperature at WS7MET, probe no. 02 at height 350 cm on tower
AIRWS703  Air temperature at WS7MET, probe no. 03 at height 250 cm on tower
AIRWS704  Air temperature at WS7MET, probe no. 04 at height 150 cm on tower
AIRWS708  Air temperature at WS7MET, probe no. 08 at height 350 cm on tower with
            aspirated shield
RELWS701  Relative humidity at WS7MET, probe no. 01 at height 450 cm
RELWS704  Relative humidity at WS7MET, probe no. 01 at height 150 cm
DEWWS701  Dew point temperature at WS7MET, probe no. 01 at height 450 cm on tower,
            calculated
DEWWS704  Dew point temperature at WS7MET, probe no. 04 at height 150 cm on tower,
            calculated
VPDWS701  Water vapor pressure deficit at WS7MET, probe no. 01 at height 450 cm
            on tower, calculated
VPDWS704  Water vapor pressure deficit at WS7MET, probe no. 04 at height 150 cm on
            tower, calculated
SNOWS701  Snow depth at WS7MET, probe no. 01, snow depth sensor at south site
            (discontinued 14 May 2007)
SNOWS702  Snow depth at WS7MET, probe no. 02, snow depth sensor at west site

Enumerated Domain for Attribute: DBCODE
MS001    FSDB Database Code

Enumerated Domain for Attribute: EVENT_CODE
INSREM   Sensor is installed or removed
LOGGER   Change in data logger, data logger program, or wiring
METHOD   Change in data collection method
NA       No event is reported (not applicable)
QUALTY   Event may directly affect data quality
MAINT   A maintenance event has occurred
INTPRO   Internal processing may produce an anomalous reading
WEATHR   A weather event has occurred that may affect reading
CALIBR   Associated with the inspection or replacement of sensors for calibration
CLEARD   Site clearing of trees and brush around the meteorological station is being
            conducted
BURNED   Burning of cleared trees and brush debris around the meteorological station is in
            progress

Enumerated Domain for Attribute: QC_LEVEL
1P       Data is provisional and subject to revision - preliminary quality checks have
            been performed
1A       Data is published and unlikely to change - automated range checking and
            manual review has been conducted. Quality is indicated in data value qualifier
            flags.
2A       Data is published and unlikely to change - Level 1A data has been modified
such that data gaps may be filled or problem data may be removed

2D Data is published and unlikely to change - data is derived or aggregated from published data of level 2A
1D Data is published and unlikely to change - data is derived or aggregated from published data of level 1A

Enumerated Domain for Attribute: ATMPRESS_METHOD
ATM001 Atmospheric pressure is sampled by a Campbell Scientific 106 barometric pressure sensor and pressure is corrected to sea level; instantaneous pressure is output every 15 minutes
ATM002 Atmospheric pressure is sampled by a Campbell Scientific 106 barometric pressure sensor and pressure is corrected to sea level; instantaneous pressure is output every 5 minutes
ATM003 Atmospheric pressure is sampled by a Campbell Scientific 106 barometric pressure sensor and pressure is corrected to sea level; instantaneous pressure is output every 10 minutes

Enumerated Domain for Attribute: ATMPRESS_INST_FLAG
A Accepted value has passed all QC tests applied as represented by the quality level
E Estimated value
Q Questionable
M Missing