

Database Code: MS001

Title:Meteorological data from benchmark stations at the 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 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: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).

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTIT	N	N	numeric(2,0)	range	1.0000	1.0000	number
SITEC	N	N	char(6)	place			
AIRTE	N	N	char(6)	enum			
HEIGH	N	N	numeric(4,0)	range	50.0000	480.0000	cm
QC_LE	N	N	char(2)	enum			
PROBE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	2/3/1958 12:00:00 AM	3/25/2019 12:00:00 AM	YYYY-MM-DD
AIRTE	Y	N	numeric(5,1)	range	-21.2000	29.1000	deg c
AIRTE	N	N	char(1)	enum			
AIRTE	Y	N	numeric(5,1)	range	-18.3000	43.7000	deg c
AIRTE	N	N	char(1)	enum			
AIRTE	Y	N	char(4)	freetext	0.0000	2400.0000	HHMM
AIRTE	Y	N	numeric(5,1)	range	-23.7000	24.2000	deg c
AIRTE	N	N	char(1)	enum			
AIRTE	Y	N	char(4)	freetext	0.0000	2400.0000	
EVENT	N	N	char(6)	enum			

2. Relative humidity (daily)

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

Attribute List:

DBCOD	N	N	char(5)	enum
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ENTITY	N	N	numeric(2,0)	range	2.0000	2.0000	number
SITECODE	N	N	char(6)	place			
RELHUM_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	130.0000	480.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	1/1/1958 12:00:00 AM	3/27/2019 12:00:00 AM	YYYY-MM-DD
RELHUM_MEAN_DAY	Y	N	numeric(5,1)	range	8.1000	100.0000	%
RELHUM_MEAN_FLAG	N	N	char(1)	enum			
RELHUM_MAX_DAY	Y	N	numeric(5,1)	range	10.3000	100.0000	%
RELHUM_MAX_FLAG	N	N	char(1)	enum			
RELHUM_MAXTIME	Y	N	char(4)	freetext	0.0000	2400.0000	HHMM
RELHUM_MIN_DAY	Y	N	numeric(5,1)	range	1.1000	100.0000	%
RELHUM_MIN_FLAG	N	N	char(1)	enum			
RELHUM_MINTIME	Y	N	char(4)	freetext	0.0000	2400.0000	HHMM
EVENT_CODE	N	N	char(6)	enum			

3. Precipitation (daily)

Benchmark station precipitation data is here. The earliest precipitation records occur at the Climatic Station (CS2MET) beginning in 1957. Other Andrews daily precipitation records can be found in MS004.

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	3.0000	3.0000	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	Y	N	datetime	range	10/1/1957 12:00:00 AM	3/18/2019 12:00:00 AM	YYYY-MM-DD
PRECIP_TOT_DAY	Y	N	numeric(5,1)	range	0.0000	422.0000	mm
PRECIP_TOT_FLAG	N	N	char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

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

Attribute List:

DBCOD	N	N	char(5)	enum			
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ENTITY	N	N	numeric(2,0)	range	4.0000	4.0000	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	Y	N	datetime	range	5/10/1972	3/25/2019	YYYY-MM-DD
WSPD_PRO_MEANNDAY	Y	N	numeric(4,1)	range	0.0000	6.0000	m/sec
WSPD_PRO_MEANFLAG	N	N	char(2)	enum			
WSPD_PRO_MAXDAY	Y	N	numeric(4,1)	range	0.0000	20.2000	m/sec
WSPD_PRO_MAXFLAG	N	N	char(2)	enum			
WSPD_PRO_MAXTIME	Y	N	char(4)	freetext	0.0000	2400.0000	HHMM
WMAG_PRO_MEANNDAY	Y	N	numeric(4,1)	range	0.0000	5.8000	m/sec
WMAG_PRO_MEANFLAG	N	N	char(2)	enum			
WDIR_PRO_MEANNDAY	Y	N	numeric(5,1)	range	0.0000	360.0000	deg az
WDIR_PRO_MEANFLAG	N	N	char(1)	enum			
WDIR_PRO_STDDENVDAY	Y	N	numeric(5,1)	range	0.0000	103.6000	deg az
WDIR_PRO_STDDENVFLAG	N	N	char(1)	enum			
WSPD_ROSE1_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	2.3300	m/sec
WSPD_ROSE1_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE2_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	4.8000	m/sec
WSPD_ROSE2_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE3_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	1.9300	m/sec
WSPD_ROSE3_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE4_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	2.0300	m/sec
WSPD_ROSE4_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE5_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	1.3000	m/sec
WSPD_ROSE5_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE6_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	3.5800	m/sec
WSPD_ROSE6_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE7_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	1.3200	m/sec
WSPD_ROSE7_MEANFLAG	N	N	char(1)	enum			
WSPD_ROSE8_MEANNDAY	Y	N	numeric(4,2)	range	0.0000	1.3000	m/sec

WSPD_ROSE8_MEAN_FLAGN			char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

5. Solar radiation - incoming short wave (daily)

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	5.0000	5.0000	number
SITECODE	N	N	char(6)	place			
SOLAR_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	100.0000	850.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	5/10/1972	6/2/2015	YYYY-MM-DD
SOLAR_TOT_DAY	N	Y	numeric(6,3)	range	0.0000	39.7100	megaJ/m2
SOLAR_TOT_FLAGN	N	N	char(1)	enum			
SOLAR_MEAN_DAY	N	Y	numeric(4,0)	range	0.0000	460.0000	W/m2
SOLAR_MEAN_FLAGN	N	N	char(1)	enum			
SOLAR_MAX_DAY	N	Y	numeric(4,0)	range	0.0000	1691.0000	W/m2
SOLAR_MAX_FLAGN	N	N	char(1)	enum			
SOLAR_MAXTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM
EVENT_CODE	N	N	char(6)	enum			

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:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	6.0000	6.0000	number
SITECODE	N	N	char(6)	place			
SOILMP_METHOD	N	N	char(6)	enum			
DEPTH	N	N	numeric(4,0)	range	10.0000	100.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	6/16/1987	11/13/2002	YYYY-MM-DD
SOILMP_MEAN_DAY	N	Y	numeric(5,2)	range	0.0000	15.0000	bar
SOILMP_MEAN_FLAGN	N	N	char(1)	enum			

SOILMP_MAX_DAYN	Y		numeric(5,2)	range	0.1000	15.0000	bar
SOILMP_MAX_FLAG	N		char(1)	enum			
SOILMP_MAXTIMEN	Y		char(4)	freetext	0.0000	2400.0000	HHMM
SOILMP_MIN_DAYN	Y		numeric(5,2)	range	0.0000	15.0000	bar
SOILMP_MIN_FLAG	N		char(1)	enum			
SOILMP_MINTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM
EVENT_CODE	N	N	char(6)	enum			

7. Dewpoint temperature (daily)

Data is calculated from air temperature and relative humidity

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	7.0000	7.0000	number
SITECODE	N	N	char(6)	place			
DEWPT_METHOD	N	N	char(6)	enum			
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			
DATE	Y	N	datetime	range	5/9/1972 12:00:00 AM	3/25/2019 12:00:00 AM	YYYY-MM-DD
DEWPT_MEAN_DAM	Y		numeric(5,1)	range	-25.5000	20.5000	deg c
DEWPT_MEAN_FLAG	N		char(1)	enum			
DEWPT_MAX_DAYN	Y		numeric(5,1)	range	-20.7000	31.7000	deg c
DEWPT_MAX_FLAG	N		char(1)	enum			
DEWPT_MAXTIMEN	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM
DEWPT_MIN_DAYN	Y		numeric(5,1)	range	-34.1000	18.2000	deg c
DEWPT_MIN_FLAG	N		char(1)	enum			
DEWPT_MINTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM
EVENT_CODE	N	N	char(6)	enum			

8. Water vapor pressure deficit (daily)

Data is calculated from air temperature and relative humidity

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	8.0000	8.0000	number
SITECODE	N	N	char(6)	place			
VPD_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	150.0000	450.0000	cm

QC_LEVEL	N	N	char(2)	enum				
PROBE_CODE	Y	N	char(8)	enum				
DATE	Y	N	datetime	range	7/6/1988 12:00:00 AM	3/25/2019 12:00:00 AM	YYYY-MM-DD	
VPD_MEAN_DAY	N	Y	numeric(5,1)	range	0.0000	33.8000	mbar	
VPD_MEAN_FLAG	N	N	char(1)	enum				
VPD_MAX_DAY	N	Y	numeric(5,1)	range	0.0000	80.0000	mbar	
VPD_MAX_FLAG	N	N	char(1)	enum				
VPD_MAXTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM	
VPD_MIN_DAY	N	Y	numeric(5,1)	range	0.0000	21.6000	mbar	
VPD_MIN_FLAG	N	N	char(1)	enum				
VPD_MINTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM	
VAP_MEAN_DAY	N	Y	numeric(5,1)	range	0.8000	24.1000	mbar	
VAP_MEAN_FLAG	N	N	char(1)	enum				
VAP_MAX_DAY	N	Y	numeric(5,1)	range	2.3000	31.2000	mbar	
VAP_MAX_FLAG	N	N	char(1)	enum				
VAP_MIN_DAY	N	Y	numeric(5,1)	range	0.4000	20.8000	mbar	
VAP_MIN_FLAG	N	N	char(1)	enum				
EVENT_CODE	N	N	char(6)	enum				

9. Snowmelt lysimeter (daily)

Attribute List:

DBC CODE	N	N	char(5)	enum				
ENTITY	N	N	numeric(2,0)	range	9.0000	9.0000	number	
SITE CODE	N	N	char(6)	place				
SNOWMELT_METHOD	N	N	char(6)	enum				
QC_LEVEL	N	N	char(2)	enum				
PROBE_CODE	Y	N	char(8)	enum				
DATE	Y	N	datetime	range	10/1/1990 12:00:00 AM	1/1/2015 12:00:00 AM	YYYY-MM-DD	
SNOWMELT_TOT_DAY	N	Y	numeric(5,1)	range	0.0000	252.8000	mm	
SNOWMELT_TOT_FLAG	N	N	char(1)	enum				
EVENT_CODE	N	N	char(6)	enum				

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:

DBC CODE	N	N	char(5)	enum				
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ENTITY	N	N	numeric(2,0)	range	10.0000	10.0000	number
SITECODE	N	N	char(6)	place			
SNOW_METHOD	N	N	char(6)	enum			
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	6/17/1987	10/1/2014	YYYY-MM-DD hh:mm:ss
SWE_DAY	N	Y	numeric(4,0)	range	12:00:00	12:00:00	mm
SWE_DAY_FLAG	N	N	char(1)	enum	AM	AM	
SNOWDEP_DAY	N	Y	numeric(4,0)	range	0.0000	4437.0000	ml
SNOWDEP_DAY_FLAG	N	N	char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

11. Air temperature (fine temporal resolution)

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

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	11.0000	11.0000	number
SITECODE	N	N	char(6)	place			
AIRTEMP_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	50.0000	480.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	5/10/1972	3/26/2019	YYYY-MM-DD hh:mm:ss
AIRTEMP_MEAN	N	Y	numeric(5,1)	range	1:00:00	12:30:00	deg c
AIRTEMP_MEAN_FLAG	N	N	char(1)	enum	AM	PM	
EVENT_CODE	N	N	char(6)	enum	-23.7000	43.7000	

12. Relative humidity (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	12.0000	12.0000	number
SITECODE	N	N	char(6)	place			
RELHUM_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	130.0000	480.0000	cm
QC_LEVEL	N	N	char(2)	enum			

PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	7/6/1988 1:00:00 AM	3/26/2019 12:00:00 AM	YYYY-MM-DD hh:mm:ss
RELHUM_MEAN	N	Y	numeric(5,1)	range	1.0000	100.0000	%
RELHUM_MEAN_FLAG		N	char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

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:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	13.0000	13.0000	number
SITE CODE	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 AM	3/18/2019 12:25:00 PM	YYYY-MM-DD hh:mm:ss
PRECIP_TOT	N	Y	numeric(6,2)	range	0.0000	418.5000	mm
PRECIP_TOT_FLAG		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:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	14.0000	14.0000	number
SITE CODE	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 1:00:00 AM	3/26/2019 12:30:00 PM	YYYY-MM-DD hh:mm:ss
WSPD_PRO_MEAN		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

WSPD_PRO_MAX_FLAG	N		char(2)	enum			
WMAG_PRO_MEANN	Y		numeric(4,1)	range	0.0000	9.0000	m/sec
WMAG_PRO_MEANN_FLAG	N		char(2)	enum			
WDIR_PRO_MEANN	Y		numeric(5,1)	range	0.0000	360.0000	deg az
WDIR_PRO_MEANN_FLAG	N		char(1)	enum			
WDIR_PRO_STDDEN	Y		numeric(5,1)	range	0.0000	103.8000	deg az
WDIR_PRO_STDDEN_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

15. Solar radiation - incoming short wave (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	15.0000	15.0000	number
SITE CODE	N	N	char(6)	place			
SOLAR_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	100.0000	850.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	5/10/1976	10/2015 1:00:00 AM 12:35:00 PM	YYYY-MM-DD hh:mm:ss
SOLAR_TOT	N	Y	numeric(6,3)	range	0.0000	4.7800	megaJ/m2
SOLAR_TOT_FLAG	N		char(1)	enum			
SOLAR_MEAN	N	Y	numeric(4,0)	range	0.0000	1600.0000	W/m2
SOLAR_MEAN_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

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:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	16.0000	16.0000	number
SITE CODE	N	N	char(6)	place			
SOILMP_METHOD	N	N	char(6)	enum			
DEPTH	N	N	numeric(4,0)	range	10.0000	100.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			

DATE_TIME	Y	N	datetime	range	7/6/1988 1:00:00 AM	7/14/1994 3:00:00 PM	YYYY-MM-DD hh:mm:ss
SOILMP_MEAN	N	Y	numeric(5,2)	range	0.0000	15.0000	bar
SOILMP_MEAN_FLAG		N	char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

17. Dewpoint temperature (fine temporal resolution)

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

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	17.0000	17.0000	number
SITECODE	N	N	char(6)	place			
DEWPT_METHOD	N	N	char(6)	enum			
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			
DATE_TIME	Y	N	datetime	range	5/10/1972 1:00:00 AM	3/26/2019 12:00:00 AM	YYYY-MM-DD hh:mm:ss
DEWPT_MEAN	N	Y	numeric(5,1)	range	-33.6000	29.9000	deg c
DEWPT_MEAN_FLAG		N	char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

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.

Attribute List:

DBCOD	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	18.0000	18.0000	number
SITECODE	N	N	char(6)	place			
VPD_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	150.0000	450.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	7/6/1988 11:00:00 PM	3/26/2019 12:00:00 AM	YYYY-MM-DD hh:mm:ss
VPD_MEAN	N	Y	numeric(5,1)	range	0.0000	79.1000	mbar
VPD_MEAN_FLAG	N	N	char(1)	enum			
VAP_MEAN	N	Y	numeric(5,1)	range	0.4000	41.0000	mbar
VAP_MEAN_FLAG	N	N	char(1)	enum			
SATVP_MEAN	N	Y	numeric(5,1)	range	0.9000	84.6000	mbar

SATVP_MEAN_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

19. Snowmelt lysimeter (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	19.0000	19.0000	number
SITE CODE	N	N	char(6)	place			
SNOWMELT_METHOD	N		char(6)	enum			
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	10/2/1990	1/2/2015 12:00:00 AM 11:55:00 AM	YYYY-MM-DD hh:mm:ss
SNOWMELT_TOT	N	Y	numeric(6,2)	range	0.0000	9.1400	mm
SNOWMELT_TOT_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

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

Data is provided through an interactive application (GLITCH)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	20.0000	20.0000	number
SITE CODE	N	N	char(6)	place			
SNOW_METHOD	N	N	char(6)	enum			
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	6/16/1987	10/1/2014 5:00:00 AM 12:00:00 AM	YYYY-MM-DD hh:mm:ss
SWE_MED	N	Y	numeric(4,0)	range	0.0000	1600.0000	mm
SWE_MED_FLAG	N	N	char(1)	enum			
SNOWDEP_MED	N	Y	numeric(4,0)	range	0.0000	4437.0000	mm
SNOWDEP_MED_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

21. Soil temperature (daily)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	21.0000	21.0000	number

SITECODE	N	N	char(6)	place			
SOILTEMP_METHOD	N		char(6)	enum			
DEPTH	N	N	numeric(4,0)	range	10.0000	100.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	6/16/1987	9/30/2018	YYYY-MM-DD
					12:00:00	12:00:00	
					AM	AM	
SOILTEMP_MEAN_DAY	Y		numeric(5,1)	range	-1.8000	27.5000	deg c
SOILTEMP_MEAN_FLAG	N		char(1)	enum			
SOILTEMP_MAX_DAY	Y		numeric(5,1)	range	-1.0000	36.7000	deg c
SOILTEMP_MAX_FLAG	N		char(1)	enum			
SOILTEMP_MAXTIME	Y		char(4)	freetext			
SOILTEMP_MIN_DAY	Y		numeric(5,1)	range	-2.9000	26.8000	deg c
SOILTEMP_MIN_FLAG	N		char(1)	enum			
SOILTEMP_MINTIME	Y		char(4)	freetext			
EVENT_CODE	N	N	char(6)	enum			

22. Photosynthetically active radiation (PAR) (daily)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	22.0000	22.0000	number
SITECODE	N	N	char(6)	place			
PAR_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	625.0000	625.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	1/23/1998	10/1/2018	YYYY-MM-DD
					12:00:00	12:00:00	
					AM	AM	
PAR_MEAN_DAY	N	Y	numeric(5,0)	range	0.0000	1000.0000	umol/m2*sec
PAR_MEAN_FLAG	N	N	char(1)	enum			
PAR_MAX_DAY	N	Y	numeric(5,0)	range	0.0000	3500.0000	umol/m2*sec
PAR_MAX_FLAG	N	N	char(1)	enum			
PAR_MAXTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM
EVENT_CODE	N	N	char(6)	enum			

23. Soil water content (daily)

Soil volumetric water content

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	23.0000	23.0000	number
SITE CODE	N	N	char(6)	place			
SOILWC_METHOD	N	N	char(6)	enum			
DEPTH	N	N	numeric(4,0)	range	10.0000	100.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	6/4/1998 12:00:00 AM	9/30/2018 12:00:00 AM	YYYY-MM-DD
SOILWC_MEAN_DAY	Y		numeric(5,2)	range	0.0000	0.9000	number
SOILWC_MEAN_FLAG	N		char(1)	enum			
SOILWC_MAX_DAY	Y		numeric(5,2)	range	0.0200	0.9000	number
SOILWC_MAX_FLAG	N		char(1)	enum			
SOILWC_MAXTIME	Y		char(4)	freetext	0.0000	2400.0000	HHMM
SOILWC_MIN_DAY	Y		numeric(5,2)	range	0.0000	0.9000	number
SOILWC_MIN_FLAG	N		char(1)	enum			
SOILWC_MINTIME	N	Y	char(4)	freetext	0.0000	2400.0000	HHMM
EVENT_CODE	N	N	char(6)	enum			

24. Wind speed and direction from sonic anemometer (daily)**Attribute List:**

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	24.0000	24.0000	number
SITE CODE	N	N	char(6)	place			
WIND_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	1000.0000	1000.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	4/16/2013 12:00:00 AM	9/30/2018 12:00:00 AM	YYYY-MM-DD
WSPD_SNC_MEAN_DAY	Y		numeric(5,2)	range	0.1500	4.1800	m/sec
WSPD_SNC_MEAN_FLAG	N		char(1)	enum			
WSPD_SNC_MAX_DAY	Y		numeric(4,1)	range	0.6000	40.1000	m/sec
WSPD_SNC_MAX_FLAG	N		char(1)	enum			
WDIR_SNC_MEAN_DAY	Y		numeric(5,1)	range	0.0000	360.0000	deg az

WDIR_SNC_MEAN_FLAG	N		char(1)	enum			
WDIR_SNC_STDDENV_DAY	Y		numeric(5,1)	range	5.0000	165.0000	deg az
WDIR_SNC_STDDENV_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

25. Net radiation (daily)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	25.0000	25.0000	number
SITE CODE	N	N	char(6)	place			
SOLAR_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	600.0000	600.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE	Y	N	datetime	range	12/6/2006	9/30/2018	YYYY-MM-DD
					12:00:00	12:00:00	
					AM	AM	
SW_IN_MEAN_DAY	Y		numeric(6,1)	range	0.4000	358.2000	W/m2
SW_IN_MEAN_FLAG	N		char(1)	enum			
SW_OUT_MEAN_DAY	Y		numeric(6,1)	range	0.3000	186.8000	W/m2
SW_OUT_MEAN_FLAG	N		char(1)	enum			
LW_IN_MEAN_DAY	Y		numeric(6,1)	range	192.8000	412.1000	W/m2
LW_IN_MEAN_FLAG	N		char(1)	enum			
LW_OUT_MEAN_DAY	Y		numeric(6,1)	range	238.8000	472.3000	W/m2
LW_OUT_MEAN_FLAG	N		char(1)	enum			
NR_TOT_MEAN_DAY	Y		numeric(6,1)	range	-59.7000	231.0000	W/m2
NR_TOT_MEAN_FLAG	N		char(1)	enum			
SENSOR_TEMP_DAY	Y		numeric(5,1)	range	-13.9000	29.9000	deg c
SENSOR_TEMP_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

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

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	30.0000	30.0000	number
SITE CODE	N	N	char(6)	place			
SWE_METHOD	N	N	char(6)	enum			

QC_LEVEL	N	N	char(2)	enum				
PROBE_CODE	Y	N	char(8)	enum				
DATE_TIME	Y	N	datetime	range	2/2/1994 1:10:00 PM	6/16/2014 10:30:00 AM	YYYY-MM-DD hh:mm:ss	
SWE_MEAN	N	Y	numeric(4,0)	range	0.0000	1875.0000	mm	
SWE_MEAN_FLAG	N	N	char(1)	enum				
SNOWDEP_MEAN	N	Y	numeric(4,0)	range	0.0000	4229.0000	mm	
SNOWDEP_MEAN_FLAG	N	N	char(1)	enum				
SNOWDEP_CHECK	N	Y	numeric(4,0)	range	0.0000	4115.0000	mm	
SNOWDEP_CHECK_FLAG	N	N	char(1)	enum				
EVENT_CODE	N	N	char(6)	enum				
COMMENT	N	Y	char(60)	freetext				

31. Soil temperature (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

Attribute List:

DBC CODE	N	N	char(5)	enum				
ENTITY	N	N	numeric(2,0)	range	31.0000	31.0000	number	
SITE CODE	N	N	char(6)	place				
SOILTEMP_METHOD	N	N	char(6)	enum				
DEPTH	N	N	numeric(4,0)	range	10.0000	100.0000	cm	
QC_LEVEL	N	N	char(2)	enum				
PROBE_CODE	Y	N	char(8)	enum				
DATE_TIME	Y	N	datetime	range	7/6/1988 1:00:00 AM	10/1/2018 12:00:00 AM	YYYY-MM-DD hh:mm:ss	
SOILTEMP_MEAN	N	Y	numeric(5,1)	range	-3.0000	36.6000	deg c	
SOILTEMP_MEAN_FLAG	N	N	char(1)	enum				
EVENT_CODE	N	N	char(6)	enum				

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

Data is provided through an interactive application (GLITCH)

Attribute List:

DBC CODE	N	N	char(5)	enum				
ENTITY	N	N	numeric(2,0)	range	32.0000	32.0000	number	
SITE CODE	N	N	char(6)	place				
PAR_METHOD	N	N	char(6)	enum				
HEIGHT	N	N	numeric(4,0)	range	625.0000	625.0000	cm	
QC_LEVEL	N	N	char(2)	enum				

PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	1/23/1998	10/1/2018	YYYY-MM-DD hh:mm:ss
PAR_MEAN	N	Y	numeric(5,0)	range	3:00:00 PM	12:00:00 AM	umol/m2*sec
PAR_MEAN_FLAG	N	N	char(1)	enum	0.0000	2230.0000	
EVENT_CODE	N	N	char(6)	enum			

33. Soil water content (fine temporal resolution)

Data is provided through an interactive application (GLITCH)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	33.0000	33.0000	number
SITE CODE	N	N	char(6)	place			
SOILWC_METHOD	N	N	char(6)	enum			
DEPTH	N	N	numeric(4,0)	range	10.0000	100.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	5/9/2012	10/1/2018	YYYY-MM-DD hh:mm:ss
SOILWC_MEAN	N	Y	numeric(5,2)	range	10:00:00 AM	12:00:00 AM	number
SOILWC_MEAN_FLAG	N	N	char(1)	enum	0.0000	0.8600	
EVENT_CODE	N	N	char(6)	enum			

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:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	34.0000	34.0000	number
SITE CODE	N	N	char(6)	place			
WIND_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	1000.0000	1000.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	4/16/2013	10/1/2018	YYYY-MM-DD hh:mm:ss
WSPD_SNC_MEAN	N	Y	numeric(5,2)	range	1:30:00 PM	12:00:00 AM	m/sec
WSPD_SNC_MEAN_FLAG	N	N	char(1)	enum	0.0000	15.0000	
WSPD_SNC_MAX	N	Y	numeric(4,1)	range	0.0000	40.1000	m/sec
WSPD_SNC_MAX_FLAG	N	N	char(1)	enum			

WDIR_SNC_MEAN	N	Y	numeric(5,1)	range	0.0000	360.0000	deg az
WDIR_SNC_MEAN_FLAG	N		char(1)	enum			
WDIR_SNC_STDDEN	N	Y	numeric(5,1)	range	0.0000	103.8000	deg az
WDIR_SNC_STDDEN_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

35. Net radiation (five minute resolution)

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

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	35.0000	35.0000	number
SITE CODE	N	N	char(6)	place			
SOLAR_METHOD	N	N	char(6)	enum			
HEIGHT	N	N	numeric(4,0)	range	450.0000	600.0000	cm
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	12/6/2006 10:20:00 AM	10/1/2018 12:00:00 AM	YYYY-MM-DD hh:mm:ss
SW_IN_MEAN	N	Y	numeric(6,1)	range	0.0000	1318.0000	W/m2
SW_IN_MEAN_FLAG	N		char(1)	enum			
SW_OUT_MEAN	N	Y	numeric(6,1)	range	0.0000	824.0000	W/m2
SW_OUT_MEAN_FLAG	N		char(1)	enum			
LW_IN_MEAN	N	Y	numeric(6,1)	range	170.5000	466.7000	W/m2
LW_IN_MEAN_FLAG	N		char(1)	enum			
LW_OUT_MEAN	N	Y	numeric(6,1)	range	221.6000	677.2000	W/m2
LW_OUT_MEAN_FLAG	N		char(1)	enum			
NR_TOT_MEAN	N	Y	numeric(6,1)	range	-504.5000	1103.5000	W/m2
NR_TOT_MEAN_FLAG	N		char(1)	enum			
SENSOR_TEMP	N	Y	numeric(5,1)	range	-17.4000	48.6000	deg c
SENSOR_TEMP_FLAG	N		char(1)	enum			
EVENT_CODE	N	N	char(6)	enum			

36. Atmospheric pressure (fine temporal resolution)

Attribute List:

DBC CODE	N	N	char(5)	enum			
ENTITY	N	N	numeric(2,0)	range	36.0000	36.0000	number
SITE CODE	N	N	char(6)	place			

ATMPRESS_METHOD	N	N	char(6)	enum			
ELEVATION	N	N	numeric(4,0)	range	430.0000	1294.0000	m
QC_LEVEL	N	N	char(2)	enum			
PROBE_CODE	Y	N	char(8)	enum			
DATE_TIME	Y	N	datetime	range	12/6/2006	10/1/2018	YYYY-MM-DD hh:mm:ss
ATMPRESS_INST	N	Y	numeric(6,1)	range	10:20:00	12:00:00	
ATMPRESS_INST_FLAG	N	N	char(1)	enum	AM	AM	
EVENT_CODE	N	N	char(6)	enum	980.0000	1038.2000	mbar

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 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 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 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 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 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 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_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 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 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 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
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)

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
SMPCCEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCCEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCCEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCCEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and

calculated snow water around snow pillow

SNOCE03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 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 350 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 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)
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 AIR026)
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 AIR027)
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; 150 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; 150 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)
AIR235	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; 450 cm height (See method AIR035)
AIR335	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)
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
- 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 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)
- AIR154 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)
- AIR157 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)

AIR158	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)
AIR159	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)
AIR160	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)
AIR150	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)
AIR061	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
AIR062	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
AIR161	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)
AIR162	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
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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued

13 Nov 2002

SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN02	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

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

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 HMP35C 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 height

REL104 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)

REL105 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)

REL106 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)

REL107 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)

REL108 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)

REL109 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 HMP35C; 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 meth 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; 150 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; 450 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)
REL021	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
REL022	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
REL221	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)
REL222	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
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 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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
WNSCEN01	Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNSH1501	Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNSPRI01	Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNSUPL01	Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNSVAN01	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
SNVAR04	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
WNSPRI02	Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNSVAN02	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
SNVAR05	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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 propane-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
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 data logger
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 Gauge
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 Gauge
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: 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 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
SB	Daily value is based on a sunrise to sunrise timeframe and 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 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
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: 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
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

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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

WNCEN01 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

WNCEN02 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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

Enumerated Domain for Attribute: QC_LEVEL

1P	Data is provisional and subject to revision - preliminary quality checks have been performed
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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 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
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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN01	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

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
WNCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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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

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 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 RAD010)

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)

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 RAD012)

RAD113 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)

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; total 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; 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; 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)

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, 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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN01	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

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
WNCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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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

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 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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

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

WNDZEN01 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

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

WNCEN02 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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 HMP35C 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 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 15 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 15 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. CSModel 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. CSModel 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 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 all15 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 all15 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: 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
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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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
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

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
WNCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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
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 450 cm height; the mean is output every 15 minutes
VPD011	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 HMP35C;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 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)

VPD309 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)

VPD210 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)

VPD310	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)
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 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)
VPD212	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)
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; RMYoung Gill shield; 150 cm (See method VPD015)
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. CS Model 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. CS Model 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
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 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)
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
SMPCCEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCCEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCCEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCCEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow

depth sensor

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
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
WNDZEN01	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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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)
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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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METHOD	Change in data collection method
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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

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 RS50 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 RS50 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 RS50A 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 RS50A sonic ranging sensor attached to pole from tower over gravel pad; median 5-minute values are output hourly

SNO012	Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with CS RS50A 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 RS50 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 SR50 sonic ranging sensor/sm.tower over snow pillow (See Method SNO013)

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 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNCEN02	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

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

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

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 350 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 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)
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 AIR026)
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 AIR027)
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; 150 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; 150 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)

AIR235 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; 450 cm height (See method AIR035)

AIR335 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)

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
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 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)
AIR154	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)
AIR157	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)
AIR158	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)
AIR159	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)
AIR160	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)
AIR150	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)
AIR061	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
AIR062	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
AIR161	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)

AIR162

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 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)
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

SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN01	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

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
WNDZEN02	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

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

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 HMP35C 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 height

REL104 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)

REL105 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)

REL106 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)

REL107 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)

REL108 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)

REL109 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 HMP35C; 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 meth 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; 150 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; 450 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)
REL021	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
REL022	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
REL221	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)
REL222	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
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 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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
WNSDCEN01	Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNSDH1501	Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNSDPRI01	Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNSDUPL01	Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNSDVAN01	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
WNSDPRI02	Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNSDVAN02	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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 propane-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

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 data logger

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 Gauge
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 Gauge
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

	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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course

measurement along transect near the station

SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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
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	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 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: 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: 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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METHOD	Change in data collection method
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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

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 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 RAD010)
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)
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 RAD012)
RAD113	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)
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; total 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; 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; 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)

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: 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

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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCE02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCE03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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: 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

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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course

measurement along transect near the station

SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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
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	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 HMP35C 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 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 15 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 15 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. CSMModel 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. CSModel 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. CSModel 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 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 all15 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 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

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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

WNCEN01 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

WNCEN02 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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

Enumerated Domain for Attribute: QC_LEVEL

1P	Data is provisional and subject to revision - preliminary quality checks have been performed
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- 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
- 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 450 cm height; the mean is output every 15 minutes
- VPD011 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)
- VPD012 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)
- VPD013 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)
- VPD014 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)
- VPD015 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 HMP35C;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 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)

VPD309 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)

VPD210 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)

VPD310 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)

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 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)

VPD212	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)
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; RMYoung Gill shield; 150 cm (See method VPD015)
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. CS Model 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. CS Model 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

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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN01	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

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
WNCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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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

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: SNOWDEP_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 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
SMPCCEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCCEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCCEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCCEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDWCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 RS50 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 RS50 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 RS50A 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 RS50A sonic ranging sensor attached to pole from tower over gravel pad; median 5-minute values are output hourly

SNO012 Snow water equivalence (SWE) is measured by a Park Mechanical pressure pillow w/ Druck pressure transducer; snow depth is recorded with CS RS50A 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 RS50 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 SR50 sonic ranging sensor/sm.tower over snow pillow (See Method SNO013)

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: SOILTEMP_MAX_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: SOILTEMP_MIN_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 30 Apr 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued

13 Nov 2002

SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
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
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
WNCEN02	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

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

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)

SOI201 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

SOI202 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

SOI203 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
SOI216	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)
SOI217	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)
SOI218	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)
SOI219	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
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)
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
SMPCE01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCE02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCE03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCE04	Soil moisture potential at CENMET, probe no. 04 at depth 100 cm; discontinued 13 Nov 2002
SMPPR01	Soil moisture potential at PRIMET, probe no. 01 at depth 10 cm; discontinued 23 May 2000
SMPPR02	Soil moisture potential at PRIMET, probe no. 02 at depth 20 cm; discontinued 23 May 2000
SMPPR03	Soil moisture potential at PRIMET, probe no. 03 at depth 50 cm; discontinued 23 May 2000
SMPPR04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCE02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCE03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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

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

WNDZEN01 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

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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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
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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 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, 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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 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: 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
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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METHOD	Change in data collection method
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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

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 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 RAD010)
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)
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 RAD012)
RAD113	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)
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; total 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; 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; 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)

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)
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

SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN01	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

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
WNDZEN02	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

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
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

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 vlaue
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 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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued

13 Nov 2002

SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN02	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

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

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)

SOI201 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

SOI202 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

SOI203 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
SOI216	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)
SOI217	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)
SOI218	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)
SOI219	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 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
RELZEN01	Relative humidity at CENMET, probe no. 01 at height 450 cm
RELZEN04	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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNCEN02	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

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

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 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)
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
SMPCCEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPCCEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPCCEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPCCEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOcen02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOcen03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOpri01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDWCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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

SWC108 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 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;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,

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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOcen02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOcen03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOpri01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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

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
WNCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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Enumerated Domain for Attribute: EVENT_CODE

INSREM	Sensor is installed or removed
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LOGGER	Change in data logger, data logger program, or wiring
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METHOD	Change in data collection method
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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

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

WND109 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)
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: 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
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

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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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
SNOHEN01	Snow moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOHEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOHEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course

measurement along transect near the station

SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNDZEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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
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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 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 RAD010)
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)
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 RAD012)
RAD113	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)
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; total 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; 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; 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)

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
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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)
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
SMPHEN01	Soil moisture potential at CENMET, probe no. 01 at depth 10 cm; discontinued 13 Nov 2002
SMPHEN02	Soil moisture potential at CENMET, probe no. 02 at depth 20 cm; discontinued 13 Nov 2002
SMPHEN03	Soil moisture potential at CENMET, probe no. 03 at depth 50 cm; discontinued 13 Nov 2002
SMPHEN04	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 moisture and depth at CENMET, probe no. 01, snow pillow with snow depth sensor
SNOCEN02	Snow moisture and depth at CENMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOCEN03	Snow moisture and depth at CENMET, probe no. 03, average snow course measurement along transect near the station
SNOPRI01	Snow moisture and depth at PRIMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL01	Snow moisture and depth at UPLMET, probe no. 01, snow pillow with snow depth sensor
SNOUPL02	Snow moisture and depth at UPLMET, probe no. 02, snow depth and calculated snow water around snow pillow
SNOUPL03	Snow moisture and depth at UPLMET, probe no. 03, average snow course measurement along transect near the station
SNOVAN01	Snow moisture and depth at VANMET, probe no. 01, snow pillow with snow depth sensor
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
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
WNSCEN01	Wind speed and direction at CENMET, probe no. 01 at height 1000 cm
WNSH1501	Wind speed and direction at H15MET, probe no. 01 at height 500 cm
WNSPRI01	Wind speed and direction at PRIMET, probe no. 01 at height 1000 cm
WNSUPL01	Wind speed and direction at UPLMET, probe no. 01 at height 1000 cm
WNSVAN01	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
SNVAR04	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
WNSPRI02	Wind speed and direction using sonic anemometer at PRIMET, probe no. 02 at height 1000 cm
WNSVAN02	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
SNVAR05	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
WNCEN02	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

Enumerated Domain for Attribute: DBCODE

MS001	FSDB Database Code
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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

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: ATPRESS_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: ATPRESS_INST_FLAG

- A Accepted value has passed all QC tests applied as represented by the quality level
- E Estimated value
- Q Questionable
- M Missing