Data Dictionary

Field Name	Caption	Data Type	Field Size	Notes
sensor_id	Unique Sensor ID	Text	32	
Local_time	Date/Time of reading in UTC	Text	24	ISO 8601 Format: yyyy-mm-ddThh:mm:ss+/-hhmm
type	Name of sensor type	Text	32	See all data types below table.
value	Sensor Value	Text	10	See list of types for formats, min and max values in below table.
units	Units of measurement	Text	32	See all units of measurement in below table.

Data Types

Sensor_id	Type	Value Min	Value Max	Sensor Description	Units
5a	TPH.TEMP	-40.00	85.00	Ambient Air Temperature	°C
5b	TPH.RH	0.00	100.00	Relative Humidity	%
5c	TPH.PRESSURE	10.0	2000.0	Barometric Pressure	hPa
0a	PM2.5	0.0	999.9	Mass density of particles in the air smaller than 2.5 micrometers in diameter	$\mu g/m^3$
0b	PM10	0.0	1999.9	Mass density of particles in the air smaller than 10 micrometers in diameter	$\mu g/m^3$
6	WS	0.00	160.00	Average Wind Speed	km/h
5a.EPA-1hr	TPH.TEMP-EPA-1h	-40.00	85.00	Ambient Air Temperature, 1 hour averaged	°C
5b.EPA-1hr	TPH.RH-EPA-1h	0.00	100.00	Relative Humidity, 1 hour averaged	%
0a.EPA-1h	PM2.5-EPA-1h	0.0	999.9	Mass density of particles in the air smaller than 2.5 micrometers in diameter, 1 hour averaged.	$\mu g/m^3$
0a.EPA-24h	PM2.5-EPA-24h	0.0	999.9	Mass density of particles in the air smaller than 2.5 micrometers in diameter, 24 hour rolling average	$\mu g/m^3$
0b.EPA-1h	PM10-EPA-1h	0.0	1999.9	Mass density of particles in the air smaller than 10 micrometers in diameter, 1 hour averaged	$\mu g/m^3$
0b.EPA-24h	PM10-EPA-24h	0.0	1999.9	Mass density of particles in the air smaller than 10 micrometers in diameter, 24 hour rolling average	$\mu g/m^3$

Sensor_id	Type	Value Min	Value Max	Sensor Description	Units
0a.EPA-1h.PKIND	PM2.5-EPA-1h-PKIND			Indicates for type PM2.5-EPA-1h, that one of the readings in this hour was erroneous (0 = erroneous, 1 = good). Used to flag where confidence in reading is low, based on moisture in the air can sometimes case the reading to erroneously go high.	0/1
0a.EPA-1h.NOPK	PM2.5-EPA-1h-NOPK	0.0	999.9	Same as type PM2.5-EPA-1h but it ignores the erroneous readings.	µg/m^3
0a.EPA-1h.NOPK.EPA-24h	PM2.5-EPA-1h-NOPK-EPA-24h	0.0	999.9	Indicates PM2.5 data is 24 hour rolling average of the 1 hour data that excludes erroneous data.	µg/m^3
0b.EPA-1h.PKIND	PM10-EPA-1h-PKIND			Indicates for PM10-EPA-1h, that one of the readings in this hour was erroneous (0 = erroneous, 1 = good). Used to flag where confidence in reading is low, based on moisture in the air can sometimes case the reading to erroneously go high.	0/1
0b.EPA-1h.NOPK	10-EPA-1h-NOPK	0.0	1999.9	Same as type PM10-EPA-1h but it ignores the erroneous readings.	µg/m^3
0b.EPA-1h.NOPK.EPA-24h	PM10-EPA-1h-NOPK-EPA-24h	0.0	1999.9	Indicates PM10 data is 24 hour rolling average of the 1 hour data that excludes erroneous data.	µg/m^3