

Earth Networks Data Quality QC Descriptors

The following are the weather data variables measured on most of our commercial-grade weather stations:

1	Humidity
2	HumidityRatePerHour
3	ObservationUnixTimeUtc
4	PressureSeaLevelMBar
5	PressureSeaLevelMBarRatePerHour
6	RainMillimetersDaily
7	RainMillimetersRatePerHour
8	TemperatureC
9	TemperatureCRatePerHour
10	WindSpeedKph
11	WindSpeedKphAvg
12	WindDirectionDegrees
13	WindDirectionDegreesAvg
14	WindGustKphHourly
15	WindGustDirectionDegreesHourly
16	WindGustUnixTimeUtcHourly
17	AuxTemperatureC
18	AuxTemperatureCRatePerHour
19	IndoorTemperatureC
20	IndoorTemperatureCRatePerHour
21	Light
22	LightRatePerHour
23	AuxTemperatureHighUtc
24	AuxTemperatureHighC
25	AuxTemperatureLowUtc
26	AuxTemperatureLowC
27	HumidityHighUtc
28	HumidityHigh
29	HumidityLowUtc
30	HumidityLow
31	IndoorTemperatureHighUtc
32	IndoorTemperatureHighC
33	IndoorTemperatureLowUtc
34	IndoorTemperatureLowC
35	LightHighUtc
36	LightHigh
37	LightLowUtc

38	LightLow
39	TemperatureHighUtc
40	TemperatureHighC
41	TemperatureLowUtc
42	TemperatureLowC
43	PressureHighUtc
44	PressureHighMBar
45	PressureLowUtc
46	PressureLowMBar
47	RainMonthlyMm
48	RainRateMaxUtc
49	RainRateMaxMmPerHour
50	RainYearlyMm
51	WindGustDailyDirectionDegrees
52	WindGustDailyKph
53	WindGustDailyUtc

Data Quality Descriptor Values

A given data element will be assigned one of the following data descriptors:

Value	Name	Meaning
Z	Preliminary	No QC applied
C	Coarse Pass	Passed level 1
S	Screened	Passed levels 1 and 2, or 1,2 and 3
V	Verified	Manually flagged as valid
X	Rejected/Erroneous	Failed level 1
Q	Questioned	Passed level 1, failed level 2 or 3

Level 4 (Manual Flag) can apply a V or a Q. The manual V flag will override all other flags and force the observation to be considered verified. The Q flag will override the X flag in the case the observation was already marked as erroneous.