

Type	parameter name	Parameter Code	Definition	Unit	Remark
Temperature	Air Temperature 10 min average	T_10M	10 min avg temp	°C	sampling interval 5 s or less
	Air Temperature 1 Hour Average	T_1H	Avg T of past 1 h	°C	calculated from 1 min avg values
	Daily maximum temperature	TX_1D	daily Tmax	°C	calculated from 1 min avg values (03UTC-03UTC)
	Daily minimum temperature	TN_1D	daily Tmin	°C	calculated from 1 min avg values (03UTC-03UTC)
	Hourly Maximum Temperature	TX_1H	Max T in past 1 h	°C	calculated from 1 min avg values
	Hourly Minimum Temperature	TN_1H	Min T in past 1 h	°C	calculated from 1 min avg values
	Dew Point temperature 10 min average	TD_10M	10 min avg dew pt temp	°C	calculated from T_10M and RH_10M
	Dew Point Temperature 1 h average	TD_1H	1 h avg dew pt temp	°C	calculated from T_1H and RH_1H
Soil Temperature	Soil Temperature at 0cm below surface, 10 min average	ST_00_10M	10 min avg soil temp at 0 cm	°C	calculated from 1 min avg values
	Soil Temperature at 0cm below surface, 1 hour average	ST_00_1H	1 h avg soil temp at 0 cm	°C	calculated from 10 min avg values
	Soil Temperature at 5cm below surface, 10 min average	ST_05_10M	10 min avg soil temp at 5 cm	°C	calculated from 1 min avg values
	Soil Temperature at 5cm below surface, 1h average	ST_05_1H	1 h avg soil temp at 5 cm	°C	calculated from 10 min avg values
	Soil Temperature at 10cm below surface, 10 min average	ST_10_10M	10 min avg soil temp at 10 cm	°C	calculated from 1 min avg values
	Soil Temperature at 10cm below surface, 1 h average	ST_10_1H	1 h avg soil temp at 10 cm	°C	calculated from 10 min avg values
	Soil Temperature at 20cm below surface, 10 min average	ST_20_10M	10 min avg soil temp at 20 cm	°C	calculated from 1 min avg values
	Soil Temperature at 20cm below surface, 1h average	ST_20_1H	1 h avg soil temp at 20 cm	°C	calculated from 10 min avg values
	Soil Temperature at 30cm below surface, 10 min average	ST_30_10M	10 min avg soil temp at 30 cm	°C	calculated from 1 min avg values
	Soil Temperature at 30cm below surface, 1 h average	ST_30_1H	1 h avg soil temp at 30 cm	°C	calculated from 10 min avg values
	Soil Temperature at 50cm below surface, 10 min average	ST_50_10M	10 min avg soil temp at 50 cm	°C	calculated from 1 min avg values
	Soil Temperature at 50cm below surface, 1 h average	ST_50_1H	1 h avg soil temp at 50 cm	°C	calculated from 10 min avg values
Soil Moisture	Soil Moisture (volumetric content) at 0cm below surface, 10 min average	SM_00_10M	10 min avg soil moisture at 0 cm	%	calculated from 1 min avg values
	Soil Moisture (volumetric content) at 0cm below surface, 1 h average	SM_00_1H	1 h avg soil moisture at 0 cm	%	calculated from 10 min avg values
	Soil Moisture (volumetric content) at 5cm below surface, 10 min average	SM_05_10M	10 min avg soil moisture at 5 cm	%	calculated from 1 min avg values
	Soil Moisture (volumetric content) at 5cm below surface, 1h average	SM_05_1H	1 h avg soil moisture at 5 cm	%	calculated from 10 min avg values
	Soil Moisture (volumetric content) at 10cm below surface, 10 min average	SM_10_10M	10 min avg soil moisture at 10 cm	%	calculated from 1 min avg values
	Soil Moisture (volumetric content) at 10cm below surface, 1 h average	SM_10_1H	1 h avg soil moisture at 10 cm	%	calculated from 10 min avg values
	Soil Moisture (volumetric content) at 20cm below surface, 10 min average	SM_20_10M	10 min avg soil moisture at 20 cm	%	calculated from 1 min avg values

	Soil Moisture (volumetric content) at 20cm below surface, 1 h average	SM_20_1H	1 h avg soil moisture at 20 cm	%	calculated from 10 min avg values
	Soil Moisture (volumetric content) at 30cm below surface, 10 min average	SM_30_10M	10 min avg soil moisture at 30 cm	%	calculated from 1 min avg values
	Soil Moisture (volumetric content) at 30cm below surface, 1 h average	SM_30_1H	1 h avg soil moisture at 30 cm	%	calculated from 10 min avg values
	Soil Moisture (volumetric content) at 50cm below surface, 10 min average	SM_50_10M	10 min avg soil moisture at 50 cm	%	
	Soil Moisture (volumetric content) at 50cm below surface, 1 h average	SM_50_1H	1 h avg soil moisture at 50 cm	%	calculated from 10 min avg values
Humidity	Relative humidity, 10 min average	RH_10M	10 min avg RH	%	calculated from 1 min avg values
	Relative humidity, 1 h average	RH_1H	1 h avg RH	%	calculated from 10 min avg values
Wind (2m)	Wind direction (deg) 1 h average	DD_2_1H	1 h avg wind direction	°	calculated from 10 min avg values
	Wind direction (deg) 10 min average	DD_2_10M	10 min avg wind direction	°	calculated from 3s samples
	Wind direction (deg) 10 min deviation	DDD_2_10M		°	10 min deviation (3s inst)
	Wind gust speed (m/s) 10 min	FFX_2_10M	max wind speed in past 10 min	m/s	10 min max (3s avg)
	Wind gust direction	DDX_2_10M	DD corresponding to FFX_10min		not mentioned in TOR
	Wind speed (m/s) 1 h	FF_2_1H	1 h avg wind speed	m/s	calculated from 10 min avg values
	Wind speed (m/s) 10 min	FF_2_10M	avg wind speed of past 10 min	m/s	calculated from 3s samples
	Maximum wind speed	FFX_2_1D	daily max wind speed	m/s	calculated from FFX_10M, not mentioned in TOR
Precipitation	Hourly Precipitation	PCPN_1H	1 h pcpn accumulation	mm	hourly sum
	Daily Precipitation	PCPN_1D	24 h (03UTC-03UTC) pcpn accumulation	mm	24 h sum derived from PCPN_1h
	Precipitation intensity	PCPNI_10M	10 min pcpn intensity	mm/h	10 min
	Precipitation in 10 minutes	PCPN_10M	10 min precipitation	mm	10 minutes precipitation (PCPNI_10M/6)
Solar radiation	Global solar radiation, 1 min average	GLOB_SR_1M	1 min avg global SR	W/m2	1 m average.
	Global solar radiation, 10 min average	GLOB_SR_10M	10 min avg global SR	W/m2	10 min avg calculated from 1 min avg value
	Global Solar radiation, 1h average	GLOB_SR_1H	1 h avg global SR	W/m2	1 hourly avg calculated from 10 min avg value; not mentioned in TOR
	Global Solar radiation, 1h maximum	GLOB_SRX_1H	1 h max global SR		calculated from 1 min avg value; not mentioned in TOR
Time of	Time of occurrence of TX_1D	T_TX_1D	Time of occurrence of TX_1D	Time	Time of occurrence of TX_1D
	Time of occurrence of TN_1D	T_TN_1D	Time of occurrence of TN_1D	Time	Time of occurrence of TN_1D
	Time of occurrence of FFX_2_1D	T_FFX_2_1D	Time of occurrence of FFX_2_1D	Time	Time of occurrence of FFX_2_1D