

TRACE-Figaro-Ultra-Logger-B-TGS_XXX-20XX-XX-Minute-Averaged.csv and LSCE009-20XX-XX-combined.csv

EpochTime_s	The number of seconds from 1st January 1970, in UTC
Time	A string of the time and date, in UTC
Voltage_V	The corrected voltage drop across a 5 Ω load resistor connected in series with the TGS, in V, measured by the analogue to digital converter
Raw_Voltage_V	The raw voltage drop across a 5 Ω load resistor connected in series with the TGS, in V, measured by the analogue to digital converter
SupplyVoltage_V	- The raw Figaro supply voltage, in V, measured by the analogue to digital converter - Where there is no voltage measurement, this takes a default value of 5 V
Temperature_K	Temperature measured by the SHT85, in K
RelativeHumidity_PERCENT	Relative humidity measured by the SHT85, in %
Resistance_Ohms	- Calculated resistance of the TGS, in Ω - This is derived from the corrected voltage drop over a 5 Ω load resistor connected in series with the sensor, assuming a power supply voltage of 5 V
Pressure_Pa	- Pressure measured by the BMP280, in Pa - Where there is no pressure measure measurement, this takes a default value of 10^5 Pa
WaterMoleFraction	- Water mole fraction inside the measurement cell, in $\text{mol}_{\text{water}} \text{mol}^{-1}$ - This value is calculated from vapour pressure (derived from Tetens's equation as a function of temperature measured by the SHT85), relative humidity measured by the SHT85 and Pressure_Pa