

SAURAN Station Details: UPR University of Pretoria, Pretoria, Gauteng Province, South Africa

The SAURAN UPR station is located at the University of Pretoria, in Pretoria, Gauteng Province, South Africa. The instruments are positioned on the roof of a university building with very good solar exposure. The horizons are largely unobscured. The station was installed on the 7 September 2013.

SAURAN station code: UPR	University of Pretoria, Pretoria, Gauteng Province, South Africa	Latitude: -25.75308° (E) Longitude: 28.22859 ° (S) Elevation: 1410 m AMSL			
Database notation:	Measurement:	Instrument:	Serial number:	Last calibration:	Sensitivity factor:
GHI_CMP11	Global horizontal irradiance in [W/m ²]	Kipp & Zonen CMP11 unshaded	130404	11 Jul 2013	8.56 μV/W/m2
DNI_CHP1	Direct normal irradiance in [W/m ²]	Kipp & Zonen CHP1 on a SOLYS tracker	131151	26 July 2013	7.49 μV/W/m2
DHI_CMP11	Diffuse horizontal irradiance in [W/m ²]	Kipp & Zonen CMP11 under a shading ball on a SOLYS tracker	130391	11 Jul 2013	8.90 μV/W/m2
Air_Temp	Air temperature in [°C]	Campbell Scientific CS215 sensor	E4815		
BP	Barometric pressure in [mbar]	Vaisala PTB110 sensor	J1160100		0.240
RH	Relative humidity in [%]	Campbell Scientific CS215 sensor	E4815		
Rain_Tot	Total rainfall in [mm]	Texas TR525i sensor	56314-713		0.254
WS	Wind speed in [m/s]	R.M.Young 05103-5 sensor	WM126373		0.098
WD	Wind direction in [°]	R.M.Young 05103-5 sensor	WM126373		355
WD_SD	Standard deviation of the wind direction in [°]	R.M.Young 05103-5 sensor	WM126373		