

Instrumentation for GOP:

(Actualisation: 2007/07/09)

Decimal-Point is Point(.)

Separation-sign between 2 values is comma (,)

Missing values: '-'

Time = MEZ(Mean European Winter-time)

Met. Parameter/ (Altitude)	Unit	Type of Instrument	Name of Parameter	Time resolution
Air Temperature 2m above ground	°C	Thermohygrogeber Compact CPC 1/4 TH /T200 Thies, Nr.1.1005.54.000		30''
Relative Humidity 2m above ground	%	Thermohygrogeber Compact CPC 1/4 TH /RH200 Thies, Nr.1.1005.54.000		30''
Air Temperature 5 cm over Soil	°C	PT100, 4- conducting wires (Metall) Ahlborn	T005	30''
Wind Direction 10m above ground	Grad	Combined Anemometer 1464 H,G,F1000 (+ heating 24 VAC/30V sep. Alimentation) Lambrecht, Nr. 560012	WD1000	30''
Wind Speed 10m above ground	m/s	Combined Anemometer 1464 H,G,F1000 (+ heating 24 VAC/30V sep. Alimentation) Lambrecht, Nr. 560012	WS1000	30''
Global Radiation 2m above ground	W/m²	Albedometer CM7b (upper site) Thies, Nr. 7.1415.25.000	GR200	30''
Reflected short radiation 2m above ground	W/m²	Albedometer CM7b (under site) Thies, Bestellnr. 7.1415.25.000	RR200	30''
Net Radiation 2m above ground	W/m²	Nettoradiometer NR LITE from Kipp&Zonen (Thies)	NR200	30''
Rain-Collector 1m above ground	mm	Electrical Rain-Collector with seasaw /REED-Contakt (Impulses) Thies, Nr. 5.4032.35.008	RAIN	30''
Soil Temperature 2cm under bare soil	°C	PT100 with 4-conducting wires , Ahlborn	ST002	30''
Soil Temperature 5cm under bare soil	°C	PT100 with 4-conducting wires , Ahlborn	ST005	30''
Soil Temperature 10cm under bare soil	°C	PT100 with 4-conducting wires , Ahlborn	ST010	30''
Soil Temperature 20cm under bare soil	°C	PT100 with 4-conducting wires , Ahlborn	ST020	30''
Soil Temperature 50 cm under bare soil	°C	PT100 with 4-conducting wires , Ahlborn	ST050	30''