

Sunshine Detector [Weather Station]

**Attention:**
The Sunshine Detector is part of the [Weather Station](#).

Summary

The sunshine detector records the duration of sunshine during the day via photoelectric measurements.

Manufacturer	Siggelkow GmbH
Model	SONI e3
Serial No.	n/a
Type	meteorological package
REGISTRY-Link	REGISTRY (1416)



Contacts

Name	Institution	Role
Holger Jens	Deutscher Wetterdienst (DWD)	Data Scientist

Position

Info	Alignment Survey Report RV Polarstern (June 2016)
X	65.114 m (X=0 is at the center of der rudder (ref. design drawing of the vessel); positive X-axis is forward and along vessel centerline)
Y	1.781 m (Y=0 at centerline; positive Y-axis is portside)
Z	43.38 m (Z=0 is set to the lowest point of the keel; positive Z-axis is upwards)

Parameters

Parameter	O2ARegistry Output Type	Unit
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sunshine indicator	quality flag	unknown
direct solar radiation	direct radiation	W/m2

Documentation

- [Sunshine Detector soniE3 handout \(Factsheet, 110 kB\)](#)