

Wave Radar System (WaMoSII)

**Attention:**

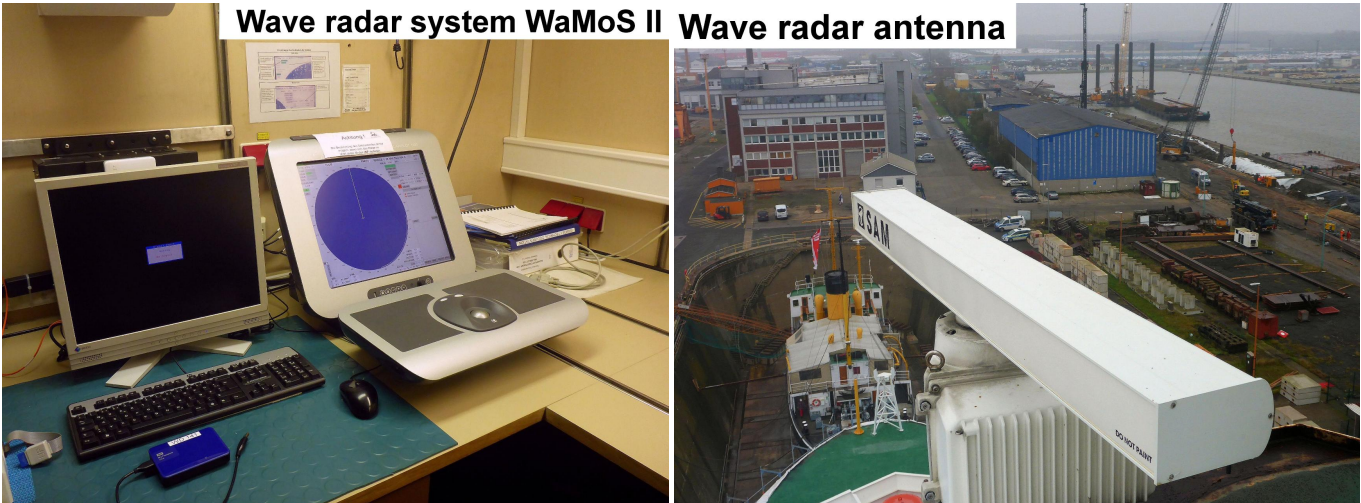
Nautical X band radar and WAMOSII X band radar are two independent systems. For scientific use only WAMOSII radar can be used.

The system is run by staff of the Weather Station (DWD). Scientific co-use is possible according to prior agreement with AWI Logistics / Principal Investigator.

Summary

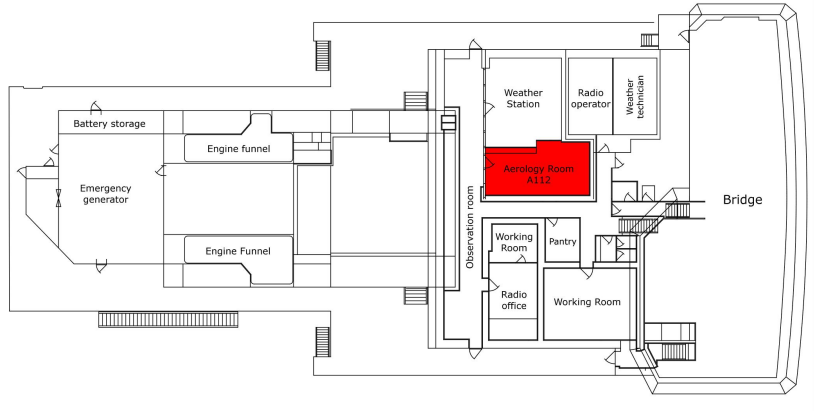
The wave radar system WaMoSII provides measurements and visualisation of waves and surface currents in a broad area.

Manufacturer	Rutter Inc.
Model	WaMoS II, X-Band-Radar
Serial No.	n/a
Type	radar system
REGISTRY-Link	REGISTRY (1419)



schematic drawing of Polarstern deck A

location of aerology room A112 (neutron & myon detectors, disdrometer electronics, water vapour analyzer, DigiCora radiosonde receiving station, wave radar system WaMoS)



Contacts

Name	Institution	Role
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Ralf Krocker	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Data Provider
Reederei Laeisz	F. Laeisz	Engineer In Charge
Deutscher Wetterdienst Bordwetterwarte Polarstern	DWD	Data Provider

Components

Position

Info	no xyz-position given, antenna located on observation deck, electronics and computer located in A112
X	0.0 (no unit given) (no description given)
Y	0.0 (no unit given) (no description given)
Z	0.0 (no unit given) (no description given)

Data logging, storage and archiving

Logged parameters

Parameter	O2ARegistry Output Type	Unit
Significant wave height	amplitude	m
Peak wave period	frequency	s
Peak wave length	distance	m
Peak wave direction	duration	deg

Central geographical ship's position and time standard

Rawdata storage on board

Data archiving on land

Documentation

- [Sigma S6 WaMoSII technical description \(Factsheet, 281 kB\)](#)
- [Sigma S6 WaMoSII System Description \(Factsheet, 847 kB\)](#)
- [sigma S6 WaMoSII Operators Manual \(User Manual, 2 MB\)](#)