


SIOS Observation Facility Catalogue (OFC)



- Overview of existing, planned and historic observation facilities
- Search tool for given parameters and location in & around Svalbard
- **Open & free data access** for the entire scientific community

Hornsund Seismological Station HSP

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Info
Observatory: Polish Polar Station
Observation Facility Type: land station
Observation Facility Status: Operational/Reporting
Core data: No

Geospatial location
Coordinates: POINT (15.53318 77.001877)
Height above mean sea level (m): 11.00

Environment
Site Information:
Seismometer placed in the concrete fundament protected by the small wooden house is located in the vicinity of Polish Polar Station in Hornsund. Seismometer is powered using PSP resources. The data is transferred by cable to PSP and published online in open access catalogues, e.g.: <https://ds.iris.edu/mda/PL/HSPB/>

Observed Variable(s)

Observed Variable:	SOLID EARTH>TECTONICS>EARTHQUAKES>SEISMIC PROFILE>SEISMIC BODY WAVES>
Start Date:	2007-09-22
Instrument model and serial number:	Broadband 3 component Streckeisen STS-2 seismometer with sampling rate 100 Hz https://www.pascal.nmt.edu/content/instrumentation/sensors/broadband-sensors/sts-2-bb-sensor
Instrument routine maintenance:	The position of the instrument should not be changed
Sampling procedures:	Sampling frequency 100 Hz

What to FIND?

The content of the OFC is based on a light version of the standards from the World Meteorological Organization (WMO) Integrated Global Observing System (WIGOS). The use of WIGOS standards facilitates **discovery, access and retrieval of the information** to the effective utilisation of observation facilities by all users.

How to SEARCH?

Search through facility names.

Institution names pop up when typing.

Search for GCMD* Keywords.

Choose current status.

Look for facility types.

Choose from a list of observatories.

Observation Facility

Hornsund Seismological Station HSP
Weather station Hornsund

Institution

Institute of Marine Research
Institute of Geophysics, Polish Academy of Sciences
The Polar Research Institute of China
Institute of Geophysics Polish Academy of Sciences

Observed variable

CLIMATE INDICATORS>PALEOCLIMATE IN
OCEANS>MARINE GEOPHYSICS>PLATE TE
SOLID EARTH>TECTONICS>CORE PROCES
SOLID EARTH>TECTONICS>EARTHQUAKE

* Global Change Master Directory

Status

Pre-operational

- Any -

Planned

Pre-operational

Operational/Reporting

Partly reporting

Temporarily suspended

Closed

Type

- Any -

- Any -

land station

sea station

aircraft

satellite

underwater platform

Observatory

- Any -

- Any -

Amundsen-Nobile Climate Change Tower

AWIPEV Atmospheric Observatory

Polish Polar Station

Dasan

Dirigibile Italia

EISCAT Svalbard Radar

How can I CONTRIBUTE?

- by entering your observation facilities
- by keeping your entries up to date
- by sharing this tool with your colleagues

More information:

<https://sios-svalbard.org/RIAccess>



Svalbard Integrated Arctic Earth Observing System

- an international observing system for long-term measurements in and around the Norwegian archipelago of Svalbard addressing Earth System Science questions.