

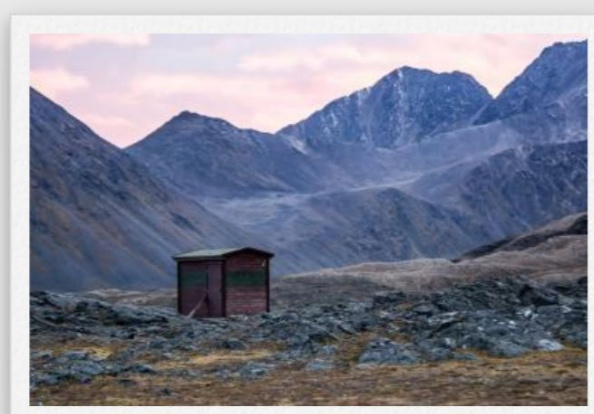
# SIOS Observation Facility Catalogue (OFC)



- 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.passcal.nmt.edu/content/instrumentation/sensors/broadband-sensors/sts-2-bb-sensor>  
Instrument routine: The position of the instrument should not be changed  
maintenance:  
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

Hornsund Seismological Station HSP  
Weather station Hornsund

Institution  
Institute of

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  
TECTONICS

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.

