

CHAQ2020 - Seymour Island - Spatial data

SND-ID: 2020-150-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/s72b-1486>

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Meshes/larsencairn.zip (587.06 MB)

Meshes/nordenskjoldcairn.zip (199.05 MB)

Meshes/Readme_Meshes.txt (3.64 KB)

Meshes/SeymourBoatExterior.zip (116.72 MB)

Meshes/SeymourBoatInterior.zip (115.09 MB)

Meshes/uruguaysign.zip (487.74 MB)

Pointclouds/Decimated/LarsenCairnPreview.zip (234.68 MB)

Pointclouds/Decimated/NordenskjoldCairnPreview.zip (1.15 GB)

Pointclouds/Decimated/Readme_Decimated.txt (3.03 KB)

Pointclouds/Decimated/SeymourBoatExteriorPreview.zip (28.7 MB)

Pointclouds/Decimated/SeymourBoatInteriorPreview.zip (26.75 MB)

Pointclouds/Decimated/UruguaySignPreview.zip (173.16 MB)

Pointclouds/HighRes/LarsenCairnSFM.zip (1.41 GB)

Pointclouds/HighRes/NordenskjoldCairnSFM.zip (2.5 GB)

Pointclouds/HighRes/Readme_HighRes.txt (3 KB)

Pointclouds/HighRes/SeymourBoatExteriorSFM.zip (703.3 MB)

Pointclouds/HighRes/SeymourBoatInteriorSFM.zip (715.14 MB)

Pointclouds/HighRes/UruguaySignSFM.zip (678.23 MB)

Associated documentation

Spatial data file formats.txt (1.42 KB)

Download all files

2020-150-1-1.zip (~9.03 GB)

Citation

Almevik, G., & Westin, J. (2021) CHAQ2020 - Seymour Island - Spatial data (Version 1) [Data set]. University of Gothenburg. Available at: <https://doi.org/10.5878/s72b-1486>

Creator/Principal investigator(s)

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Research principal

[University of Gothenburg](#) - Centre for Digital Humanities

Description

The first Swedish Antarctic Expedition (1901-1903), led by Otto Nordenskjöld, sailed to Antarctica on the ship Antarctic captained by CA Larsen, and established a research station on Snow Hill Island. There six members overwintered and performed paleontological, meteorological, geomagnetic and geological studies, while the rest of the expedition set sail for South Orkney.

After the winter, on the way back to Snow Hill Island, the Antarctic got stuck in the ice and sank. At this point, the expedition members were divided into three groups. One of these overwintered an extra year on Snow Hill Island, whereas the other two groups were forced to build stone huts in order to overwinter at Hope Bay and Paulet Island. An Argentinean vessel, the Corbeta Uruguay, rescued the expedition in November 1903.

CHAQ 2020 is an Argentinean-Swedish project with fieldwork in the area around the Antarctic Peninsula aiming to investigating and documenting the historical remains of the first Swedish South Polar expedition under the leadership of Otto Nordenskjöld 1901-1903. The material was collected in January and February 2020.

This catalogue entry collects the spatial data from Seymour Island, which include point clouds and textured meshes produced through structure-from-motion photography.

The 3d documentation of the four historical remains consists of structure-from-motion photography with a Fujifilm X-T2. As the remains of the boat were fragile and therefore difficult to stage in a way that prevented morphological changes between the two necessary photo sessions (thus preventing a merging of the two sides), the remains are published as two separate models; exterior and interior. The result is published as five point clouds and five textured meshes.

Data contains personal data

No

Language

[English](#)

Time period(s) investigated

[20th century - 21th century](#)

1902-01-01 - 2020-02-10

Data format / data structure

[Geospatial](#)

[3D](#)

Type of archaeological investigation

[Watching brief](#), [Archaeological field evaluation](#), [Planning basis](#)

Type of archaeological remains

[Feature](#), [Buildings](#), [Settlement remnants](#), [Building remains](#), [Boat remains](#)

Geographic spread

Geographic location: [Antarctica](#)

Geographic description: The documentation was gathered at Snow Hill Island, Seymour Island (Marambio), and Hope Bay.

Responsible department/unit

Centre for Digital Humanities

Contributor(s)

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Luleå University of Technology

University of Gothenburg

Swedish National Heritage Board

Commissioning organisation

Swedish National Heritage Board

Research area

[History and archaeology](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Antarctica](#), [Antarctic region](#), [Swedish antarctic expedition, 1901-1904](#), [Nordenskjöld, otto, 1869-1928](#)

Publications

Almevik, G., Avango, D., Contissa, V., Fontana, P., Lindström, K., & Westin, J. (2021). Built cultural heritage in Antarctica : remains and uses of the first Swedish SouthPolar expedition 1901–1903. Riksantikvarieämbetet. <http://urn.kb.se/resolve?urn=urn:nbn:se:raa:diva-6230>

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If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

Polygon (Lon/Lat)

-59.915108267717, -62.532594345486

-59.915108267717, -65.146114847564

-54.144495800247, -65.146114847564

-54.144495800247, -62.532594345486

-59.915108267717, -62.532594345486

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

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Versions

Version 1. 2021-03-02

Homepage

[A portal to the material that was collected during the research expedition 2020 to the remains from Nordenskjöld's expedition 1901-1903](#)

Contacts for questions about the data

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Related research data in SND's catalogue

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[File overview \(CSV\)](#)

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