

Active layer thickness and ground temperatures, Svea, Svalbard, Version 1

USER GUIDE

How to Cite These Data

As a condition of using these data, you must include a citation:

Bakkehoi, S. and O. Gregerson 1998. *Active layer thickness and ground temperatures, Svea, Svalbard, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NASA National Snow and Ice Data Center Distributed Active Archive Center. <https://doi.org/10.7265/z443-zx80>. [Date Accessed].

FOR QUESTIONS ABOUT THESE DATA, CONTACT NSIDC@NSIDC.ORG

FOR CURRENT INFORMATION, VISIT <https://nsidc.org/data/GGD249>



National Snow and Ice Data Center

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Notice: This data set was first published on the [1998 CAPS CD](#).

The text for this document was taken unchanged from that CD.

1 DATA DESCRIPTION

1.1 NORWEGIAN GEOTECHNICAL INSTITUTE Svea site

(Data obtained and submitted by Odd Gregersen and Steinar Bakkehoi, digitized by M.O.Leibman).

Snow and soil temperature records for January 1988 - May 1996 are presented. Included are: snow depth and weight measurements (calculated from a 10 sq.cm sample), active layer depth in the frost tubes, weight of wet and dried soil samples from unknown depth within the active layer. Water content was calculated as (wet soil weight-dry soil weight)/wet soil weight. Also included is soil temperature at the surface (0.05 cm), and to the depths of 3-4 m at 3 sites: on a road covered by 1 m of gravel underlaid by clay (in the database referred to as "gravel"), outside the building on piles, 1-2 m from the wall (in the database referred to as "outside"), and under the building in between the piles (in the database referred to as "inside"). In addition, air temperature measured inside is included. There are several gaps in temperature measurements (January 1991 to May 1992).

Weather station data is available in hard copy: precipitation records and snow depth records for 1985-1996.

2 DOCUMENT INFORMATION

2.1 Publication Date

1998

2.2 Date Last Updated

2021