

# Seasonal frost penetration, Sleepers River Research Watershed, Vermont, USA, Version 1

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## USER GUIDE

### How to Cite These Data

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

Pangburn, T 1998. *Seasonal frost penetration, Sleepers River Research Watershed, Vermont, USA, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NASA National Snow and Ice Data Center Distributed Active Archive Center. <https://doi.org/10.7265/zsjv-z537>. [Date Accessed].

FOR QUESTIONS ABOUT THESE DATA, CONTACT [NSIDC@NSIDC.ORG](mailto:NSIDC@NSIDC.ORG)

FOR CURRENT INFORMATION, VISIT <https://nsidc.org/data/GGD278>



National Snow and Ice Data Center

# TABLE OF CONTENTS

|       |   |   |
|-------|---|---|
| 1     | DETAILED DATA DESCRIPTION.....                                      | 2 |
| 1.1   | Seasonal frost penetration, Sleepers River Research Watershed ..... | 2 |
| 1.2   | Spatial Coverage.....   | 3 |
| 1.2.1 | Study Location .....  | 3 |
| 1.2.2 | Geographic Extent: .....  | 3 |
| 1.3   | Site Description .....  | 3 |
| 2     | REFERENCES AND RELATED PUBLICATIONS .....                           | 3 |
| 3     | CONTACTS AND ACKNOWLEDGEMENTS .....                                 | 4 |
| 4     | DOCUMENT INFORMATION.....   | 4 |
| 4.1   | Publication Date .....  | 4 |
| 4.2   | Date Last Updated.....  | 4 |

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

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

Data are presented on the CAPS Version 1.0 CD-ROM as spreadsheets in MS-EXCEL (text only) and cover winter seasons 1983-84 to 1992-93.

# 1 DETAILED DATA DESCRIPTION

All depths are in centimeters.

Note that files are in ASCII formatted files extracted from a spreadsheet. The files are tab delimited (each field separated by a tab character) and may best be read by the user through a spreadsheet application.

## 1.1 Seasonal frost penetration, Sleepers River Research Watershed

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- File: ftube84.dat
- Time period: winter 1983-1984
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube85.dat
- Time period: winter 1984-1985
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube86.dat
- Time period: winter 1985-1986
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube87.dat
- Time period: winter 1986-1987
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube88.dat
- Time period: winter 1987-1988
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube89.dat
- Time period: winter 1988-1989
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube90.dat
- Time period: winter 1989-1990
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube91.dat
- Time period: winter 1990-1991
- Fields: Weekly measurements of snow depth and frost depth
- File: ftube92.dat
- Time period: winter 1991-1992

- Fields: Weekly measurements of snow depth and frost depth
- File: ftube93.dat
- Time period: winter 1992-1993
- Fields: Weekly measurements of snow depth and frost depth

## 1.2 Spatial Coverage

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### 1.2.1 Study Location

Sleepers River Research Watershed, Danville, Vermont.

### 1.2.2 Geographic Extent:

Northwest Latitude: 44 31' 47" N

Northwest Longitude: 72 10' 37" W

Southeast Latitude: 44 25' 20"N

Southeast Longitude: 72 02' 22" W

## 1.3 Site Description

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The North Danville W-3 test site is located neat the eastern edge of a 6-ha clearing (see Anderson for a detailed site description). The forest is generally about 200 from the center of the selected site area. The surrounding first 75 m of terrain is generally free of vegetation tall enough to protrude above the midwinter snow cover. Beyond 75 m there are scattered small conifers. The central portion of the site was graded prior to the installation of instruments. The site is very flat, with a slight slope to the south, and meets site criteria given in the WMO report. This results in a very uniform snow cover over the site area. However, during windy periods the snow tends to blow off this area. The prevailing winds in winter are from a westerly direction.

## 2 REFERENCES AND RELATED PUBLICATIONS

Bates, R.E., Pangburn, T. and Greenan, H., 1987. WMO solid precipitation measurement intercomparison at Sleepers River Research Watershed. In: Eastern snow Conference, 44th, 3-4 June 1987, Fredericton, New Brunswick, Canada, Proceedings, p.1-7.

Roberts,W. 1991. Data Report for the period October 1990 to September 1991. U.S. Army Cold Regions Research and Engineering Laboratory, unpublished. [other unpublished reports by W. Roberts cover October - September of 1985-86 through 1989-90]

## 3 CONTACTS AND ACKNOWLEDGEMENTS

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## 4 DOCUMENT INFORMATION

### 4.1 Publication Date

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1998

### 4.2 Date Last Updated

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