



Glacier Mass Balance and Regime Measurements and Analysis, 1945-2003, Version 1

USER GUIDE

How to Cite These Data

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

Dyurgerov, M. Edited by M. Meier and R. Armstrong. 2002, updated 2005. *Glacier Mass Balance and Regime Measurements and Analysis, 1945-2003, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NSIDC: National Snow and Ice Data Center. <https://doi.org/10.7265/N52N506F>. [Date Accessed].

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

FOR CURRENT INFORMATION, VISIT <https://nsidc.org/data/G10002>



National Snow and Ice Data Center

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1 DETAILED DATA DESCRIPTION

This data set consists of glacier regime parameters observed between 1945 and 2003. Data include annual mass balances, ablation, accumulation, and equilibrium-line altitude of mountain and subpolar glaciers outside the two major ice sheets. All available sources of information, such as publications, archived data, and personal communications have been collected, and include time series of more than 300 glaciers. Data have been digitized and quality checked.

1.1 Format

Data are in Microsoft Excel format and a report is also provided in PDF format.

1.2 File and Directory Structure

The following files are found on the [HTTPS site](https://nsidc.org/data/glacier/):

Occasional_Paper55/

- appendix_1.xls
- appendix_2.xls
- appendix_3.xls
- appendix_4.xls
- instaar_occasional_paper_no55.pdf

Supplement2005/

- App1_Supplement2005.doc
- App2_Supplement2005.xls
- App3_Supplement2005.xls
- App4_Supplement2005.xls
- App5_Supplement2005.xls
- App5_Supplement2005.xls
- SupplementPaper2005.doc
- SupplementPaper2005.pdf

ReadMeFirst.txt

An explanation of the appendix data is included in the PDF file beginning on page 91.

1.3 File Size

The PDF file is 1.23 MB and the total size of all of the Excel files is 1.7 MB.

1.4 Temporal Information

1.4.1 Temporal Resolution

Observational data cover the period 1945 to 2003.

1.5 Parameter or Variable

Minimum, maximum, and median elevation; glacier length and area; mass balance; ablation/accumulation; and equilibrium-line altitude of 280 glaciers are given, based on observational studies reported in publications, archived data, personal communications.

2 SOFTWARE AND TOOLS

2.1 Quality Assessment

Data have been digitized and quality checked; all errors found were eliminated.

3 CONTACTS AND ACKNOWLEDGMENTS

Mark Dyurgerov

Institute of Arctic and Alpine Research

University of Colorado, Boulder, CO 80309

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4 DOCUMENT INFORMATION

4.1 Publication Date

March 2002

4.2 Date Last Updated

26 November 2020