Western Italian Alps Monthly Snowfall and Snow Cover Duration, Version 1

USER GUIDE

How to Cite These Data

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

Mercalli, L. and C. Castellano. 1999. *Western Italian Alps Monthly Snowfall and Snow Cover Duration, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NSIDC: National Snow and Ice Data Center. https://doi.org/10.7265/N5NP22C0. [Date Accessed].

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

FOR CURRENT INFORMATION, VISIT https://nsidc.org/data/G01186

National Snow and Ice Data Center

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1 DETAILED DATA DESCRIPTION

1.1 Parameters

Monthly snowfall amounts (total, in cm) and monthly snow cover duration in days.

1.2 Spatial and Temporal Coverage and Resolution

Station Name	Elevation (in meters ASL)	Latitude (degrees North)	Longitude (degrees East)	Period of Record
Lago Toggia	2200	46.425	8.436	1932-1996
Lago Alpe Cavalli	1502	46.092	8.120	1931-1996
Lago Goillet	2526	45.925	7.670	1947-1996
Lago Gabiet	2340	45.842	7.853	1928-1996
Lago Cignana	2160	45.875	7.603	1927-1996
Gressoney D'Ejola	1850	45.858	7.793	1928-1996
Rimasco	891	45.858	8.070	1925-1996
Ceresole Reale	1579	45.425	7.253	1926-1996
Lago Valsoera	2440	45.492	7.403	1959-1996
Lago Serru'	2260	45.458	7.128	1955-1996
Balme	1432	45.308	7.211	1929-1996
Lago della Rossa	2720	45.275	7.153	1938-1996
Lago Moncenisio	2000	45.225	6.962	1931-1996
Lago Rochemolles	1926	45.125	6.762	1925-1996
Bardonecchia	1340	45.075	6.695	1925-1996
Lago Castello	1660	44.608	7.053	1943-1996
Cuneo	565	44.392	7.550	1877-1996
Lago Chiotas	2010	44.192	7.317	1979-1996

1.3 Format

Data are stored in fixed length comma delimited fields in an ASCII file. Each data field is a four digit integer. All missing data are flagged as 9999.

Both the snowfall and the snow cover duration data files include a header combining station name, elevation, latitude, and longitude.

Monthly snowfall amount fields:

- Year of data
- Monthly values
- Summary of the year
- Summary for one hydrologic year, October through September

Sample monthly snowfall record for file sbalme.dat:

```
Balme, 1432, 45.308, 7.211
1929,  82,   8,  23,  46,   4,   0,   0,   0,   0,   0,   9,  70, 242,9999
```

The first record is the header. Descriptions of the second record entries are as follows:

Entry	Description
1929	year of the data
82	snowfall (in centimeters) in January
8	snowfall (in centimeters) in February
23	snowfall (in centimeters) in March
46	snowfall (in centimeters) in April
4	snowfall (in centimeters) in May
0	snowfall (in centimeters) in June
0	snowfall (in centimeters) in July
0	snowfall (in centimeters) in August
0	snowfall (in centimeters) in September
0	snowfall (in centimeters) in October
9	snowfall (in centimeters) in November
70	snowfall (in centimeters) in December
242	total amount of snowfall (in centimeters) in 1929
9999	missing flag for the total for the hydrologic year 1929 which runs from October 1928 through September 1929

Monthly snow cover duration fields included:

- Year of data
- Number of days of snow cover for the month
- Yearly total of days of snow cover
- Total days of snow cover for one hydrologic year, October through September

Sample monthly snowfall record for file dbalme.dat.

```
Balme, 1432, 45.308, 7.211
1929,  31,  28,  17,   9,   1,   0,   0,   0,   0,   0,  17,  31, 134,9999
```

The first record is the header. Descriptions of the second record entries are as follows:

Entry	Description
1929	year of the data
31	days of snow cover in January
28	days of snow cover in February
17	days of snow cover in March
9	days of snow cover in April
1	days of snow cover in May
0	days of snow cover in June
0	days of snow cover in July
0	days of snow cover in August
0	days of snow cover in September
0	days of snow cover in October
17	days of snow cover in November
31	days of snow cover in December
134	total number of days of snow cover in 1929
9999	missing flag for total number of days in the hydrologic year 1929, which runs from October 1928 - September 1929

1.4 File Size

The entire data set is 203 KB (compressed).

2 CONTACTS AND ACKNOWLEDGMENTS

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Acknowledgments:

This data set is maintained at NSIDC with support from the NOAA National Geophysical Data Center.

3 DOCUMENT INFORMATION

3.1 Publication Date

1999

3.2 Date Last Updated

July 2006; document reformatted.