Appendix C Metadata

C.1 Introduction

Metadata is information about data (data about data). It is an integral part of maintaining a long-term record. Metadata provides a chronology of methods used to obtain a dataset and can provide important information for observers and data users alike.

C.2 File Format and Content

There is no clear method for collecting and recording metadata. What should be recorded and how to record it depends on the application. For avalanche operations we recommend maintaining a "field book" for each observation site. This field book could be an actual book stored at the site or an electronic or paper file stored in an office. An example of commonly recorded metadata fields for a meteorological site are listed in section C.3

A metadata file should contain a basic description of the observation site. This includes, but is not limited to, location, aspect, elevation and exposure. A photographic record of the site and changes to the site may be useful. A description of each instrument should be included. Metadata files should also contain a record of site maintenance and instrument calibration; and a list of measurements made at the site should be in the order that they are listed in the record or data file. Data is assumed to be in the recommended system of international units listed in Appendix B unless other units are specified in the metadata file. Metadata and data archives should be stored as comma delimited text files or Microsoft Excel files.

	Bra
	۱/IO
a. Station/site name/site iD	Ser
b. Lock combination	Гур
c. Eat/ Eon (map datum. NAD2/ of NAD65/	Acc
	Ser
d. Elevation	Cor
1. Slope angle	Dir
g. Thotographs from each aspect	Rac
ii. Changes to site (date and type)	Cat
I. Comments	Гel
2) Operation Status	Shc
a. Teat-tound	
b. Seasonal	Sate
c. Special 8) Software	
d. Start date	Pro
c. End date	Ver
5) Type	Pro
u. Study plot	nst
	Upg
c. Rugelop	Cor
4) Power 9) Observer Co	
a. None	Nar
o. Solui, outtory	Age
U . <i>H</i> U	Ado
5) 5013013	Гel
a. Properties e. E	Em
i. Make	
ii. Model	
iii.Serial Number	
iv. Type	
b. Installation	
i. Height above ground	
ii. Distance from tower or obstacle	
iii. Date installed	
iv. Sampling rate	
v. Average length and technique	

- vi. Service and calibration dates
- vii. Comments

Brand Model Serial Number Type Acquisition date Service dates Comments trieval Direct - manual Radio telemetry Cellular phone Telephone Short haul modem Satellite Product name Version number Program name Installation date Upgrade date Comments er Contact Information Name Agency Address Telephone Email

Snow, Weather, and Avalanches