

Graphical Representation of Cold Land Processes Experiment Snow Pit Data

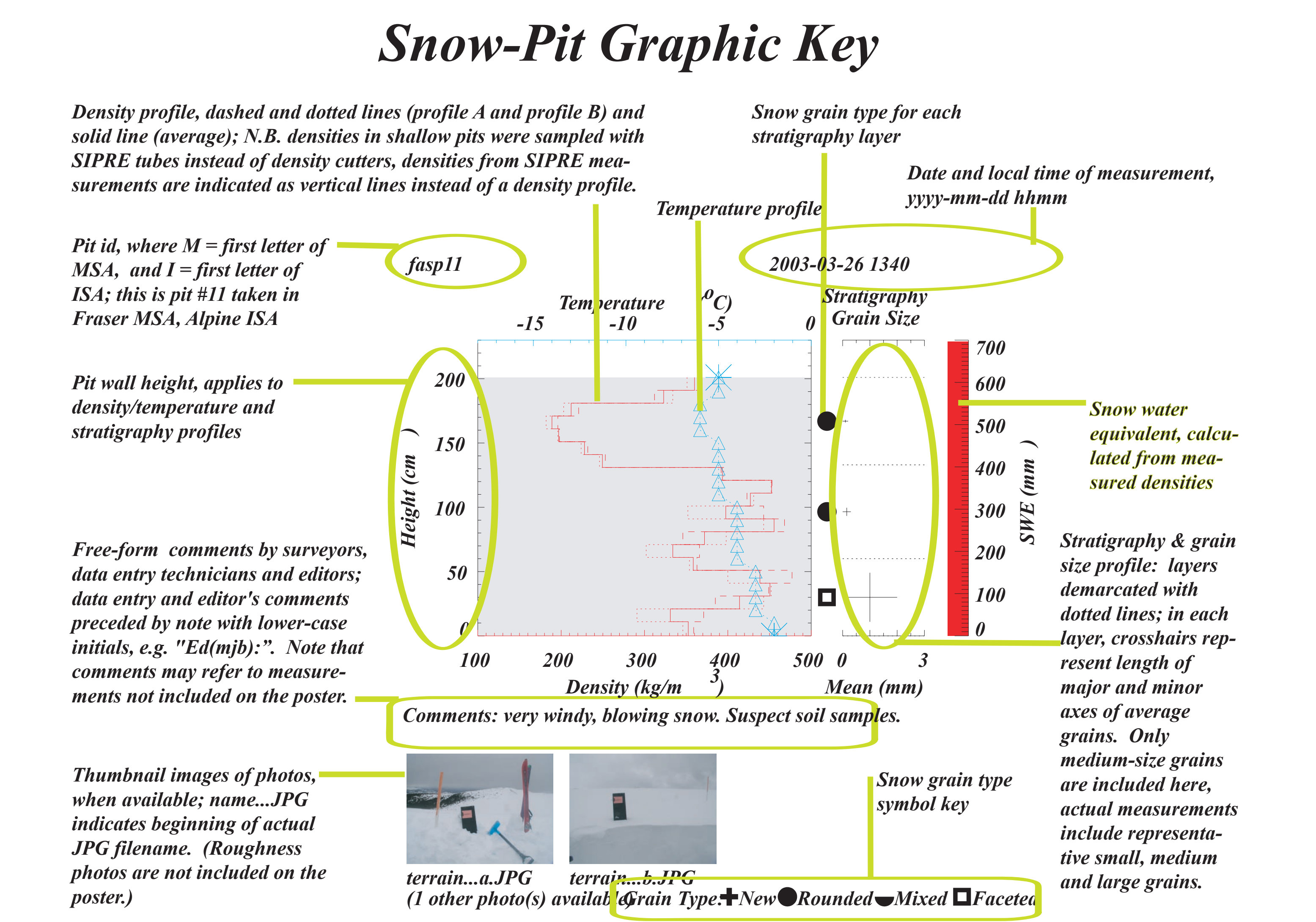
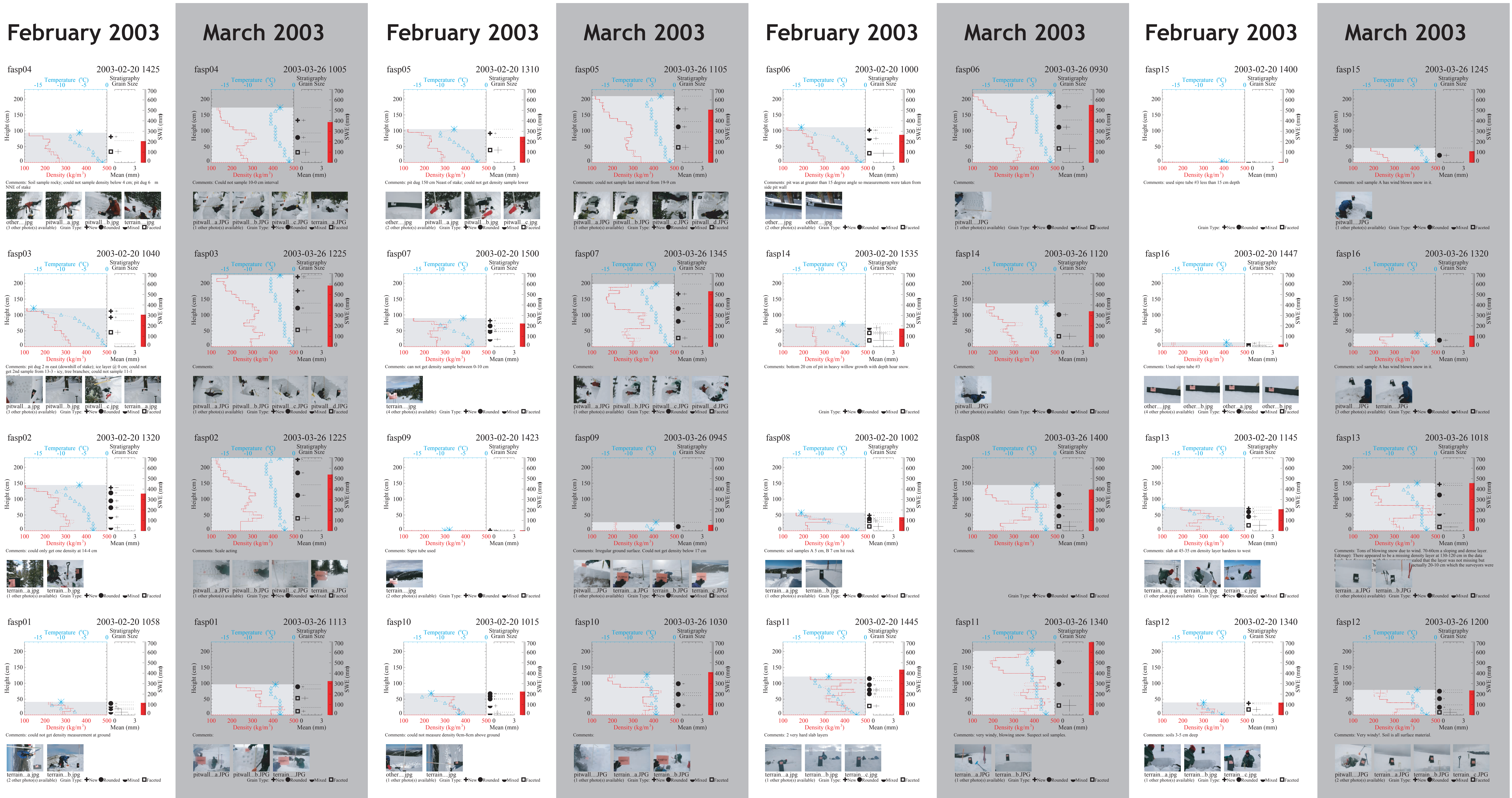
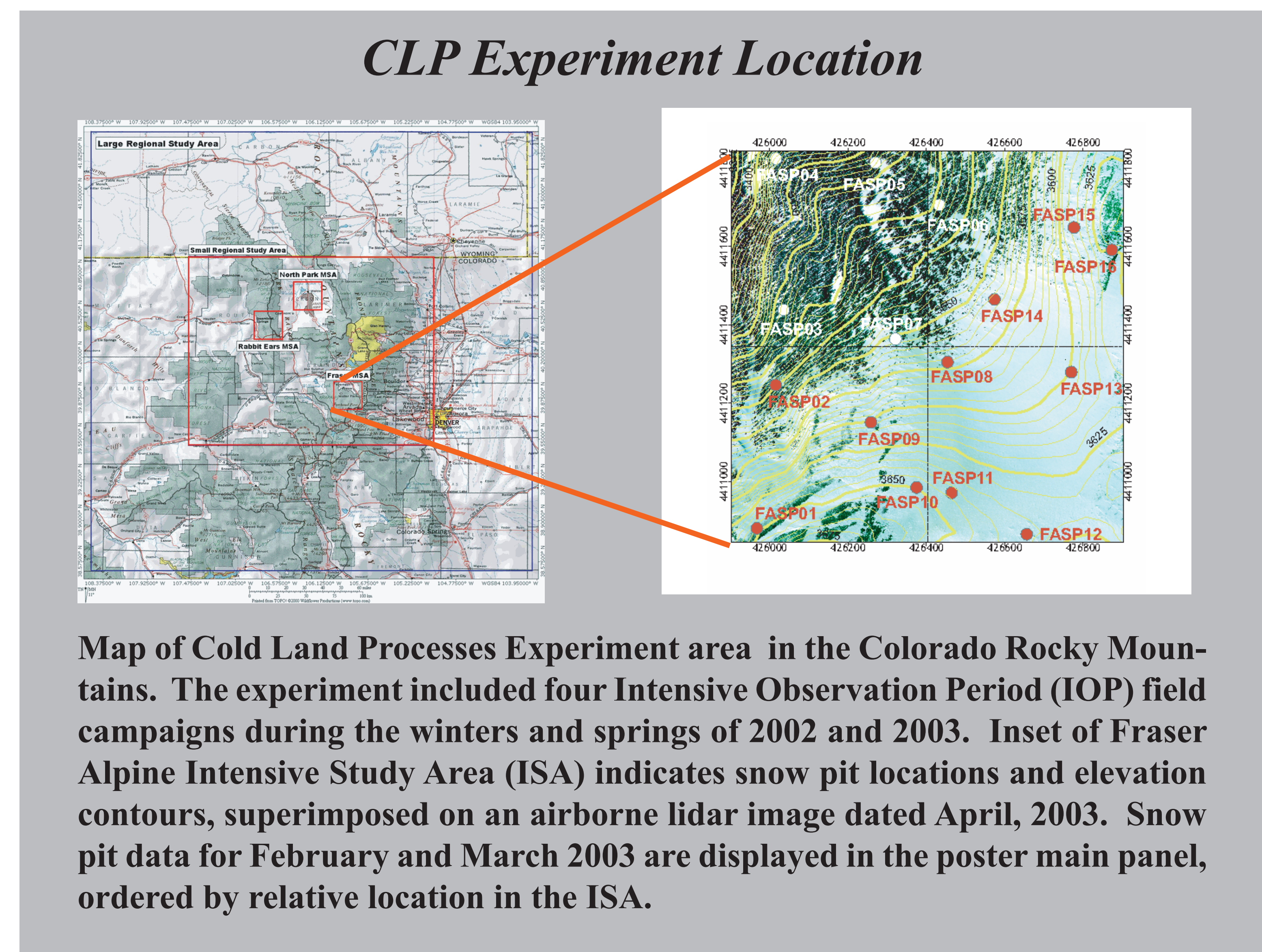
Richard Armstrong (rlax@nsidc.org), Mary J. Brodzik, and Mark A. Parsons
 University of Colorado, CIRES/National Snow & Ice Data Center

This research was funded by NASA grants NAG5-1152 and NAS5-030999.



Researchers have gathered data from snow pits for well over a century, yet no common or consistent manner for presenting this information has been devised. In the Cold Land Processes Experiment (CLPX), data were collected from nearly 2,000 snow pits as part of several different data collection efforts. To facilitate intercomparison and to effectively display the large amount of data collected, we have developed a graphical method for presenting data from each snow pit. Sets of these snow-pit

graphics can help users identify potential trends, anomalies, and appropriate data for their application. In early 2006, we plan to publish an electronic document with all CLPX IOP snow pit graphics. To request a copy, please contact nsidc@nsidc.org. All CLPX data are publicly available. For further information about CLPX data sets, see <http://nsidc.org/data/clpx>.



For other examples of snow pit data graphics, see:
 Ferguson, S. A. "The Role of Snowpack Structure in Avalanching." Ph.D. dissertation, University of Washington, 1984. Snow Pilot Project, <http://www.snowpilot.org>.
 The use of small multiples in graphic presentation is described in:
 Tuft, E. R. *The Visual Display of Quantitative Information*, 2nd Ed. Cheshire, CT: Graphics Press, 2001.