Snow avalanche impact measurements at the Seehore test site in Aosta Valley (NW Italian Alps)

Supplementary Materials

The Figures in this Appendix show the force registered by each load transducer for the 5 selected avalanches. Figures A44-A48 report the total force as raw data and averaged over 0.2 s, calculated as reported in the manuscript.

Figure A1. 7 December 2010: impact forces recorded by load transducer n. 03.

Figure A2. 7 December 2010: impact forces recorded by load transducer n. 04.
Figure A3. 7 December 2010: impact forces recorded by load transducer n. 05.

Figure A4. 7 December 2010: impact forces recorded by load transducer n. 07.

Figure A5. 7 December 2010: impact forces recorded by load transducer n. 08.
Figure A6. 7 December 2010: impact forces recorded by load transducer n. 09.

Figure A7. 7 December 2010: impact forces recorded by load transducer n. 10.

Figure A8. 5 March 2011: impact forces recorded by load transducer n. 03.
Figure A9. 5 March 2011: impact forces recorded by load transducer n. 05.

Figure A10. 5 March 2011: impact forces recorded by load transducer n. 06.

Figure A11. 5 March 2011: impact forces recorded by load transducer n. 07.
Figure A12. 5 March 2011: impact forces recorded by load transducer n. 08.

Figure A13. 5 March 2011: impact forces recorded by load transducer n. 09.

Figure A14. 17 April 2013: impact forces recorded by load transducer n. 01.
Figure A15. 17 April 2013: impact forces recorded by load transducer n. 02.

Figure A16. 17 April 2013: impact forces recorded by load transducer n. 03.

Figure A17. 17 April 2013: impact forces recorded by load transducer n. 04.
Figure A18. 17 April 2013: impact forces recorded by load transducer n. 05.

Figure A19. 17 April 2013: impact forces recorded by load transducer n. 06.

Figure A20. 17 April 2013: impact forces recorded by load transducer n. 07.
Figure A21. 17 April 2013: impact forces recorded by load transducer n. 08.

Figure A22. 17 April 2013: impact forces recorded by load transducer n. 09.

Figure A23. 17 April 2013: impact forces recorded by load transducer n. 10.
Figure A24. 20 January 2014: impact forces recorded by load transducer n. 01.

Figure A25. 20 January 2014: impact forces recorded by load transducer n. 02.

Figure A26. 20 January 2014: impact forces recorded by load transducer n. 03.
Figure A27. 20 January 2014: impact forces recorded by load transducer n. 04.

Figure A28. 20 January 2014: impact forces recorded by load transducer n. 05.

Figure A29. 20 January 2014: impact forces recorded by load transducer n. 06.
Figure A30. 20 January 2014: impact forces recorded by load transducer n. 07.

Figure A31. 20 January 2014: impact forces recorded by load transducer n. 08.

Figure A32. 20 January 2014: impact forces recorded by load transducer n. 09.
Figure A33. 20 January 2014: impact forces recorded by load transducer n. 10.

Figure A34. 30 April 2014: impact forces recorded by load transducer n. 01.

Figure A35. 30 April 2014: impact forces recorded by load transducer n. 02.
Figure A36. 30 April 2014: impact forces recorded by load transducer n. 03.

Figure A37. 30 April 2014: impact forces recorded by load transducer n. 04.

Figure A38. 30 April 2014: impact forces recorded by load transducer n. 05.
Figure A39. 30 April 2014: impact forces recorded by load transducer n. 06.

Figure A40. 30 April 2014: impact forces recorded by load transducer n. 07.

Figure A41. 30 April 2014: impact forces recorded by load transducer n. 08.
Figure A42. 30 April 2014: impact forces recorded by load transducer n. 09.

Figure A43. 30 April 2014: impact forces recorded by load transducer n. 10.

Figure A44. 7 December 2010: total force on the impacted area.
Figure A45. 5 March 2011: total force on the impacted area.

Figure A46. 17 April 2013: total force on the impacted area.

Figure A47. 20 January 2014: total force on the impacted area.
Figure A48. 30 April 2014: total force on the impacted area.