

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

Supplementary Materials

The Figures in this document show the force registered by each load transducer for the 5 selected avalanches. Figures S44–S48 report the total force as raw data and averaged over 0.2 s, calculated as reported in the manuscript.

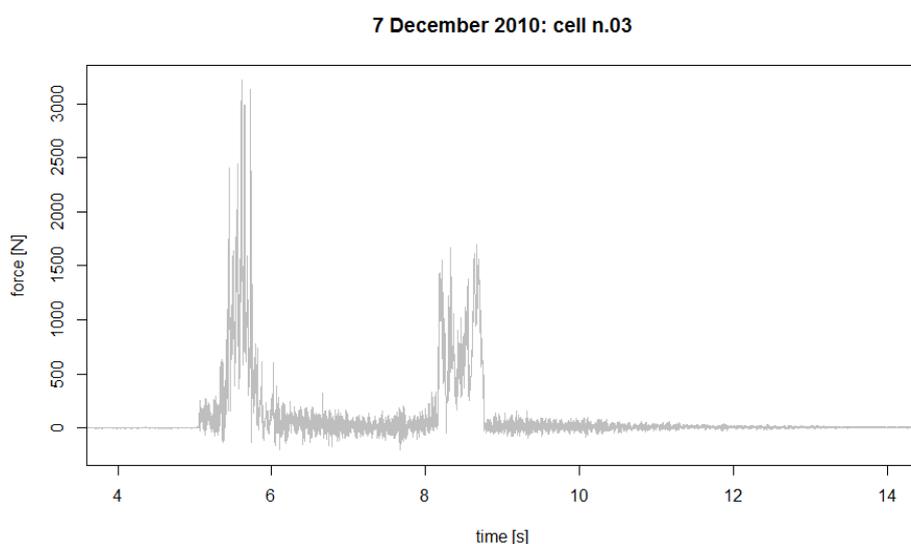


Figure S1. 7 December 2010: impact forces recorded by load transducer n. 03.

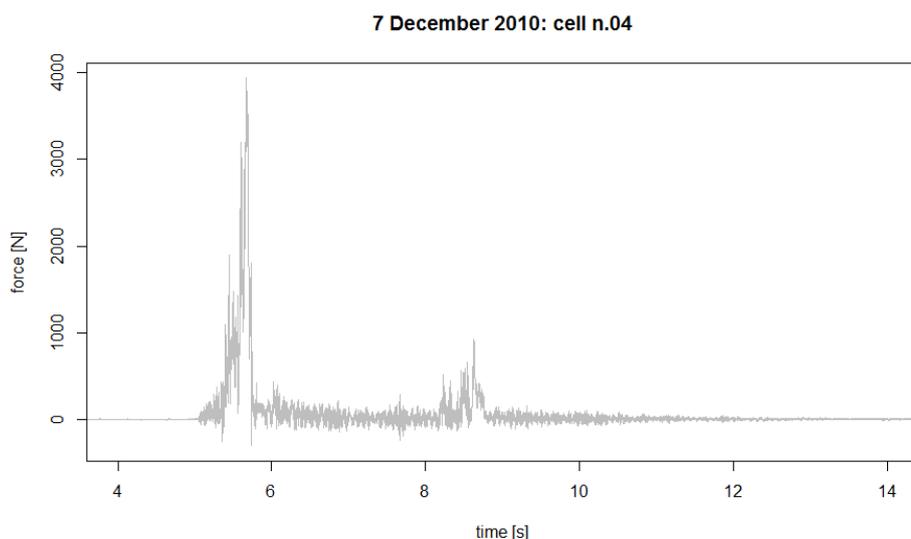


Figure S2. 7 December 2010: impact forces recorded by load transducer n. 04.

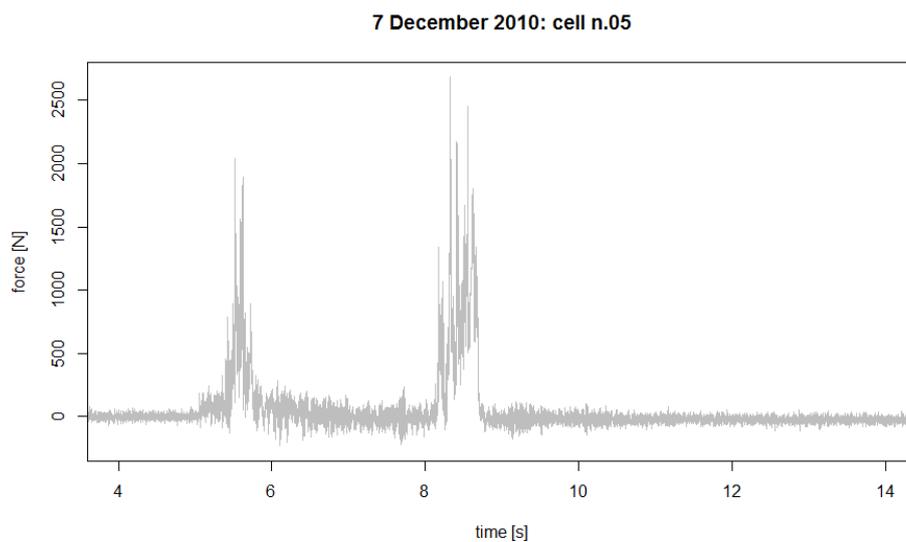


Figure S3. 7 December 2010: impact forces recorded by load transducer n. 05.

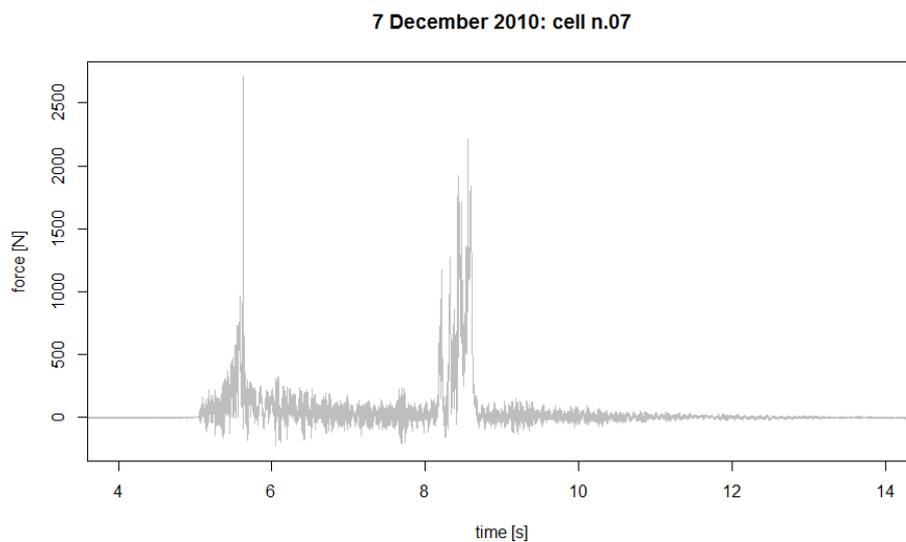


Figure S4. 7 December 2010: impact forces recorded by load transducer n. 07.

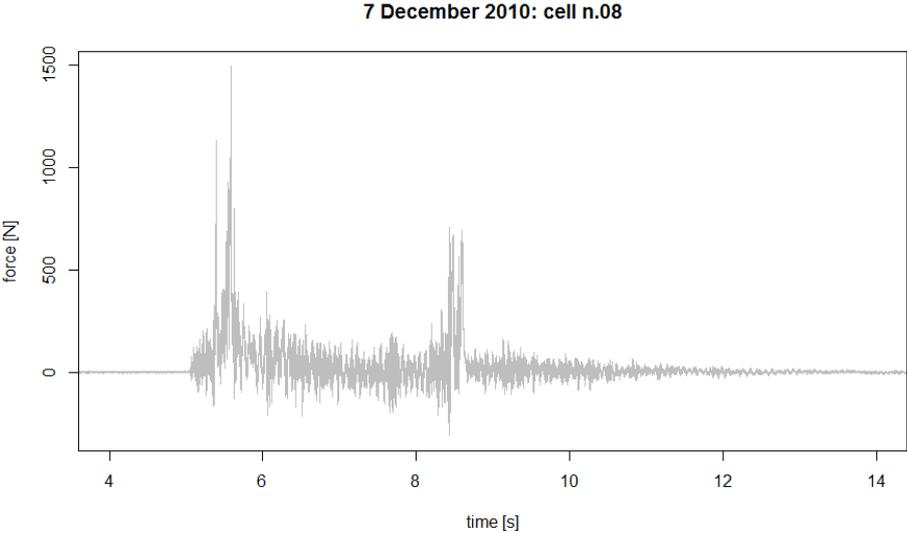


Figure S5. 7 December 2010: impact forces recorded by load transducer n. 08.

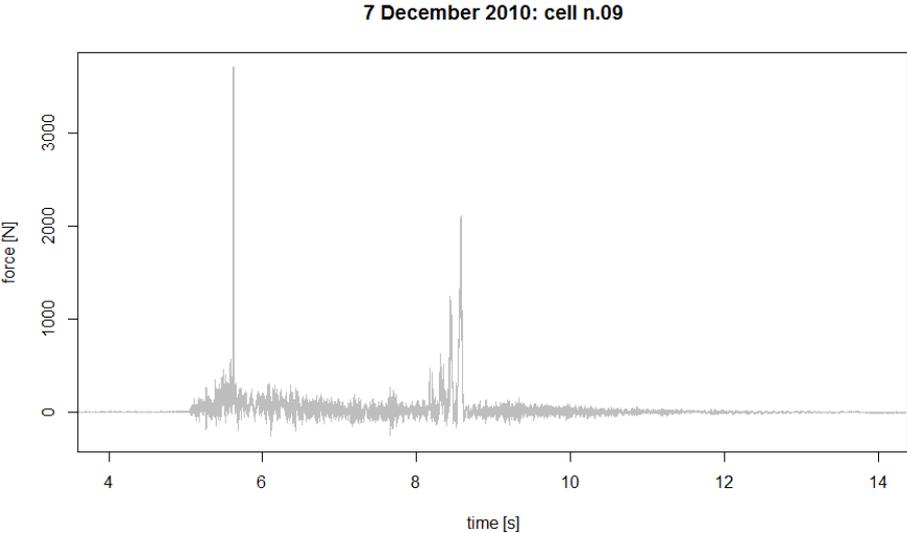


Figure S6. 7 December 2010: impact forces recorded by load transducer n. 09.

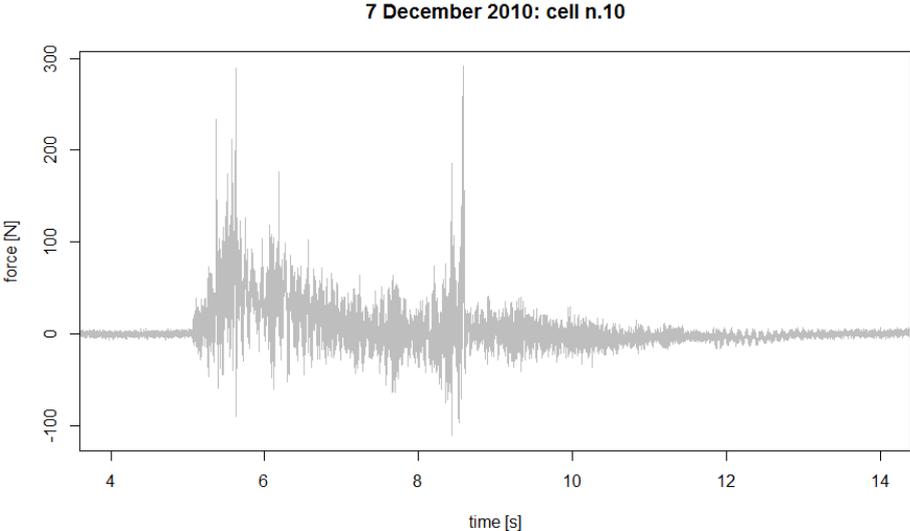


Figure S7. 7 December 2010: impact forces recorded by load transducer n. 10.

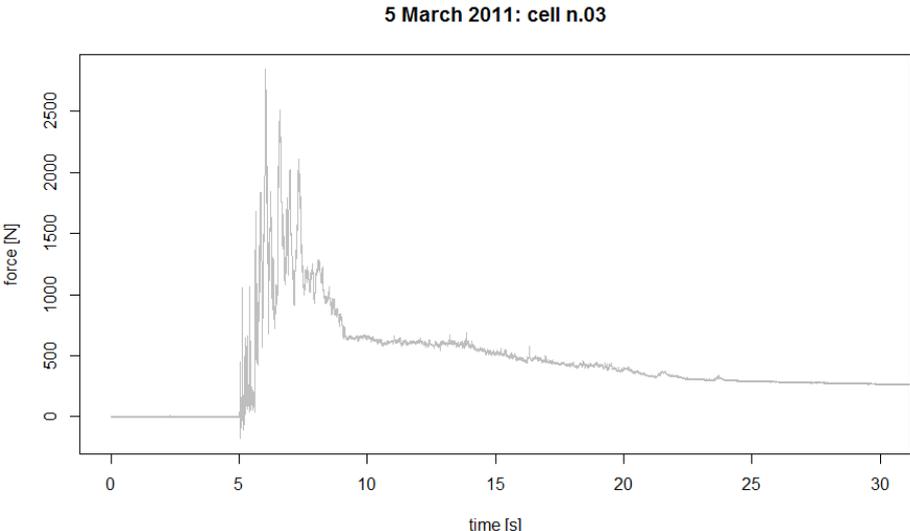


Figure S8. 5 March 2011: impact forces recorded by load transducer n. 03.

5 March 2011: cell n.05

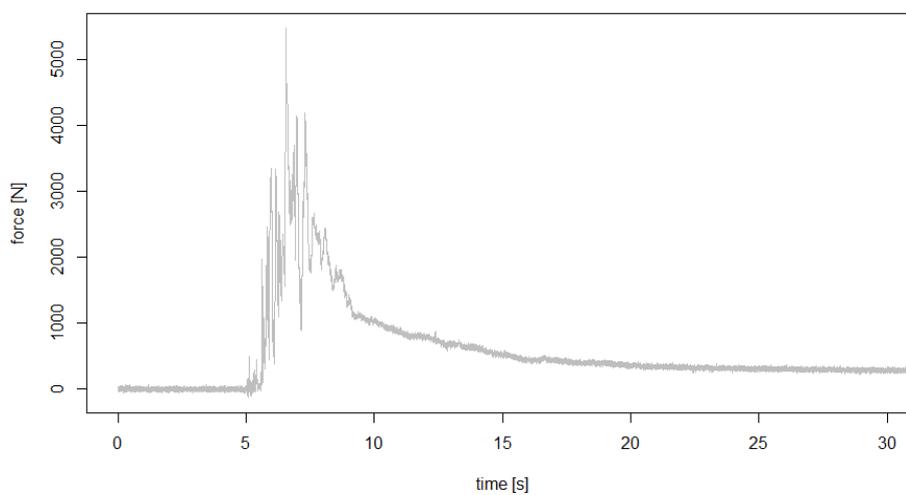


Figure S9. 5 March 2011: impact forces recorded by load transducer n. 05.

5 March 2011: cell n.06

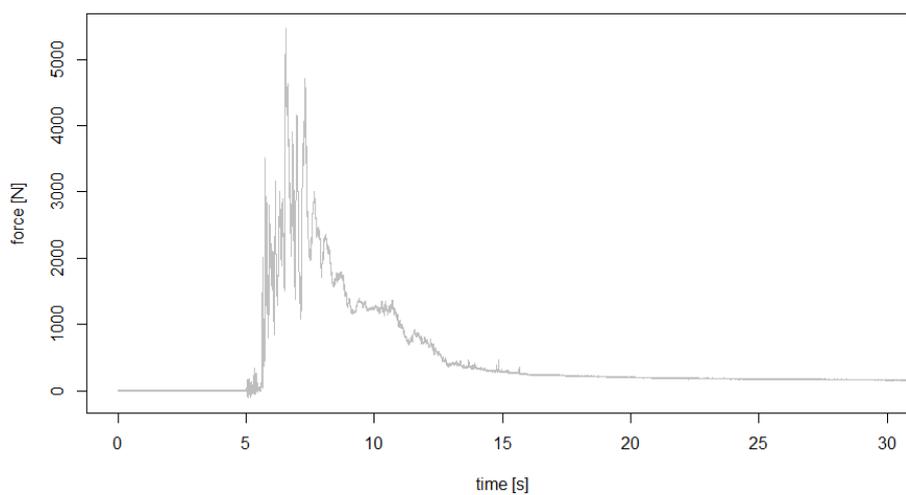


Figure S10. 5 March 2011: impact forces recorded by load transducer n. 06.

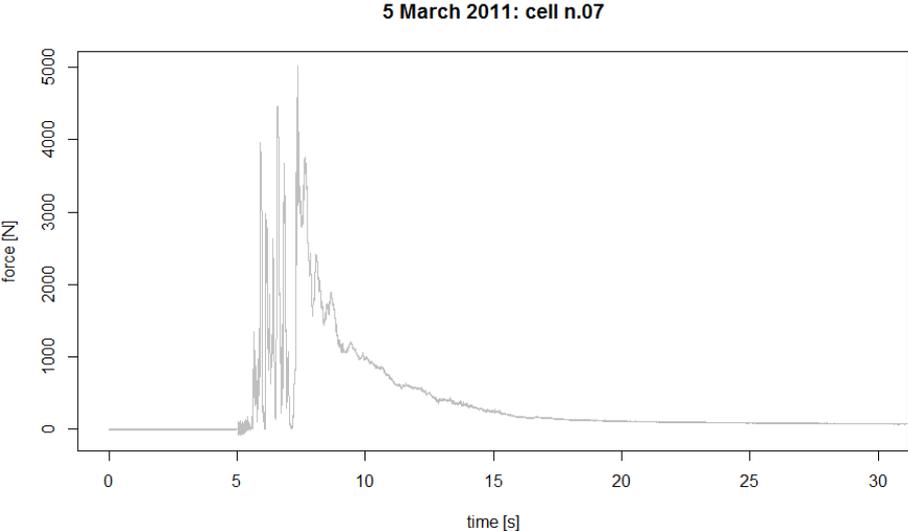


Figure S11. 5 March 2011: impact forces recorded by load transducer n. 07.

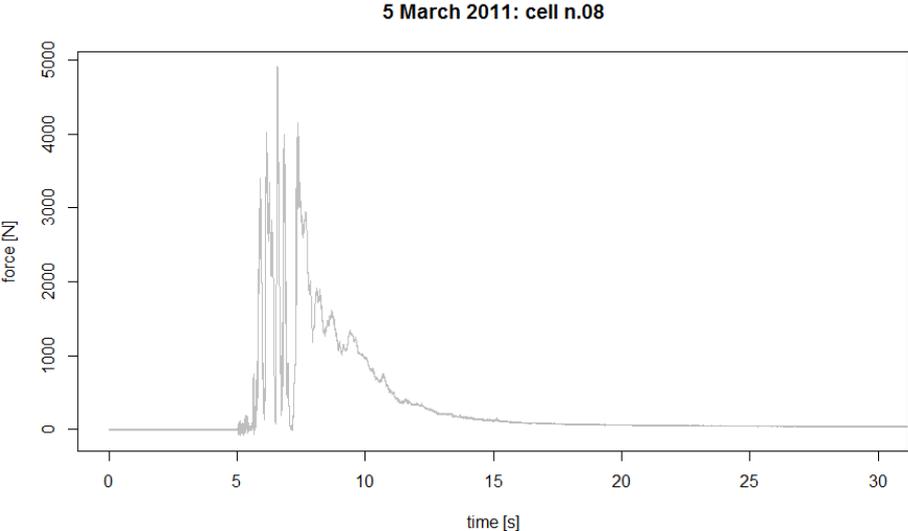


Figure S12. 5 March 2011: impact forces recorded by load transducer n. 08.

5 March 2011: cell n.09

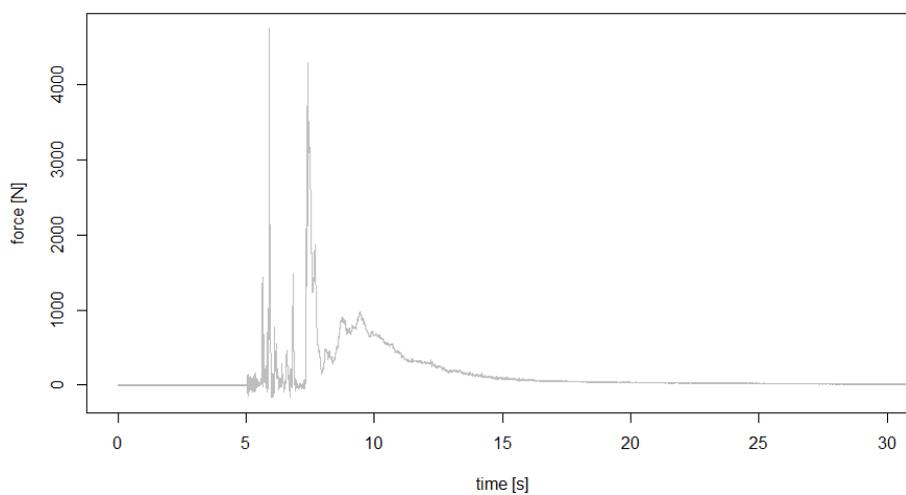


Figure S13. 5 March 2011: impact forces recorded by load transducer n. 09.

17 April 2013: cell n.01

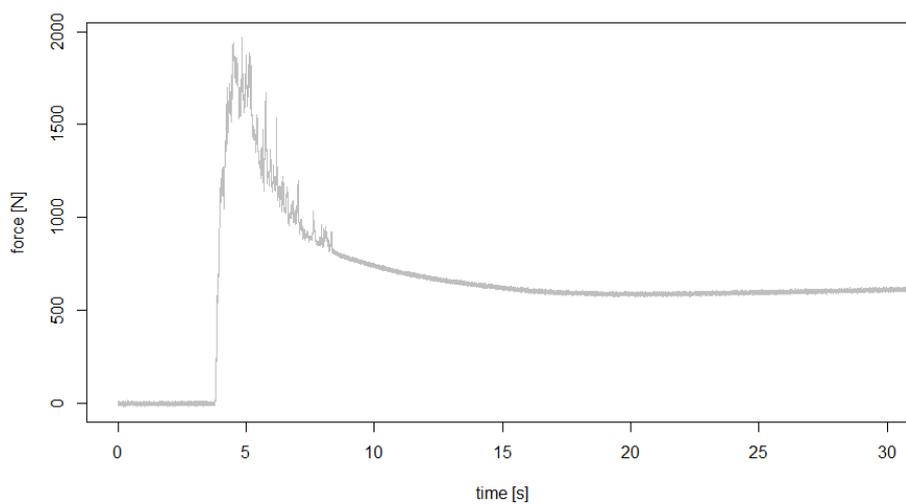


Figure S14. 17 April 2013: impact forces recorded by load transducer n. 01.

17 April 2013: cell n.02

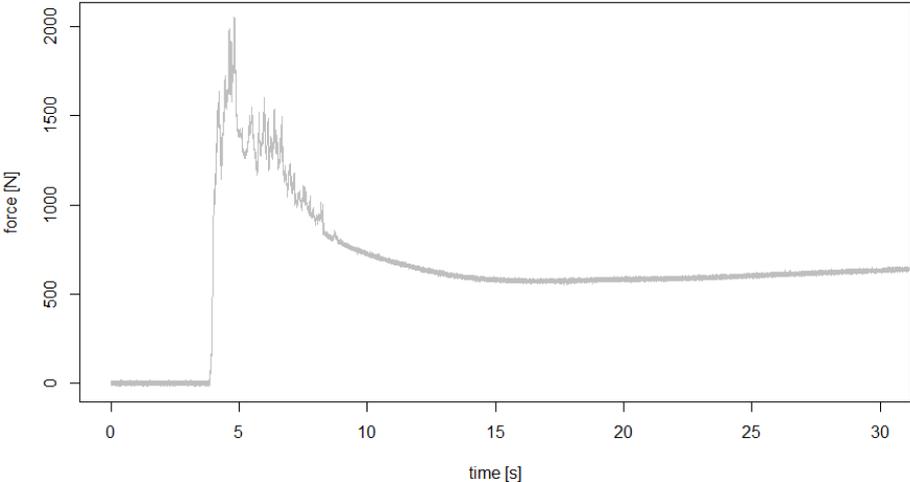


Figure S15. 17 April 2013: impact forces recorded by load transducer n. 02.

17 April 2013: cell n.03

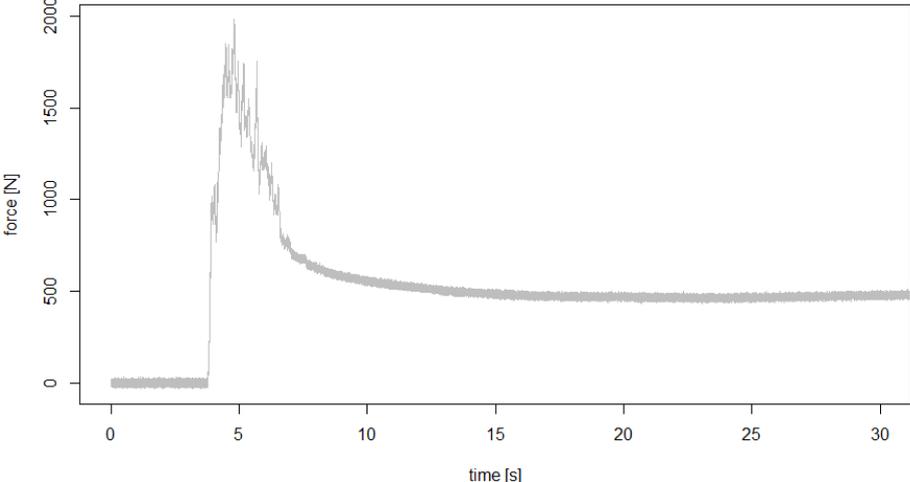


Figure S16. 17 April 2013: impact forces recorded by load transducer n. 03.

17 April 2013: cell n.04

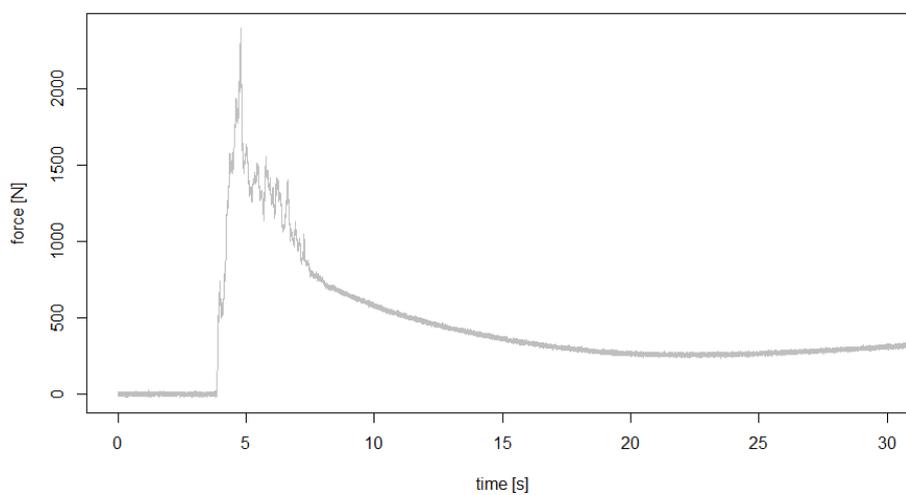


Figure S17. 17 April 2013: impact forces recorded by load transducer n. 04.

17 April 2013: cell n.05

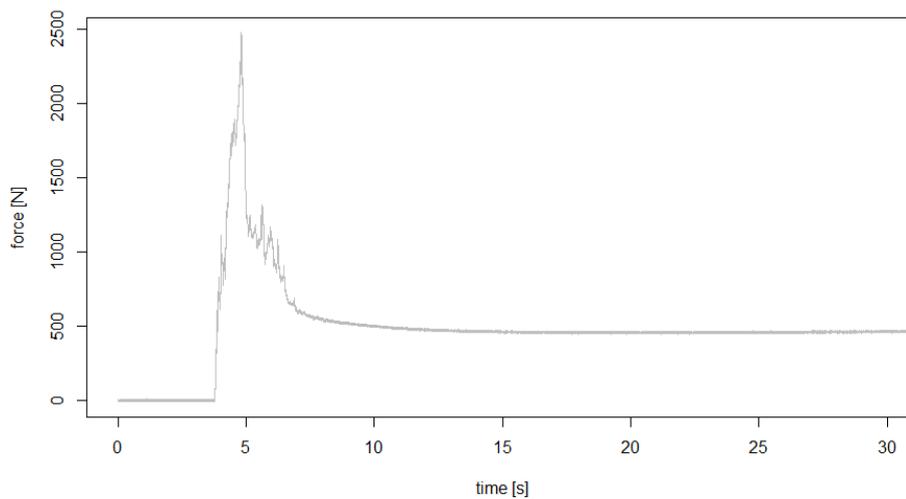


Figure S18. 17 April 2013: impact forces recorded by load transducer n. 05.

17 April 2013: cell n.06

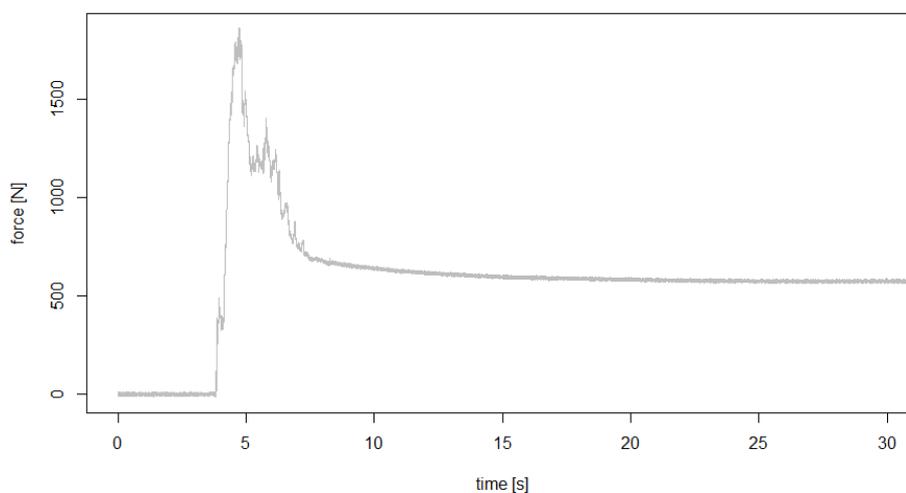


Figure S19. 17 April 2013: impact forces recorded by load transducer n. 06.

17 April 2013: cell n.07

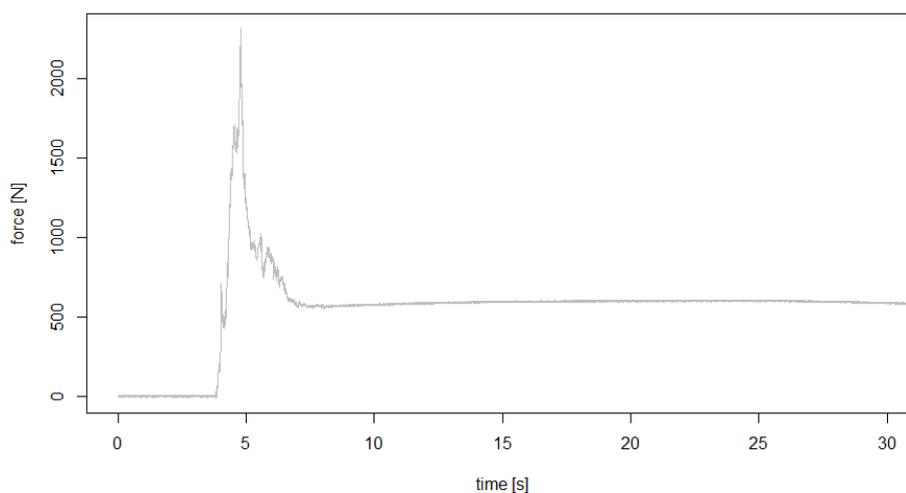


Figure S20. 17 April 2013: impact forces recorded by load transducer n. 07.

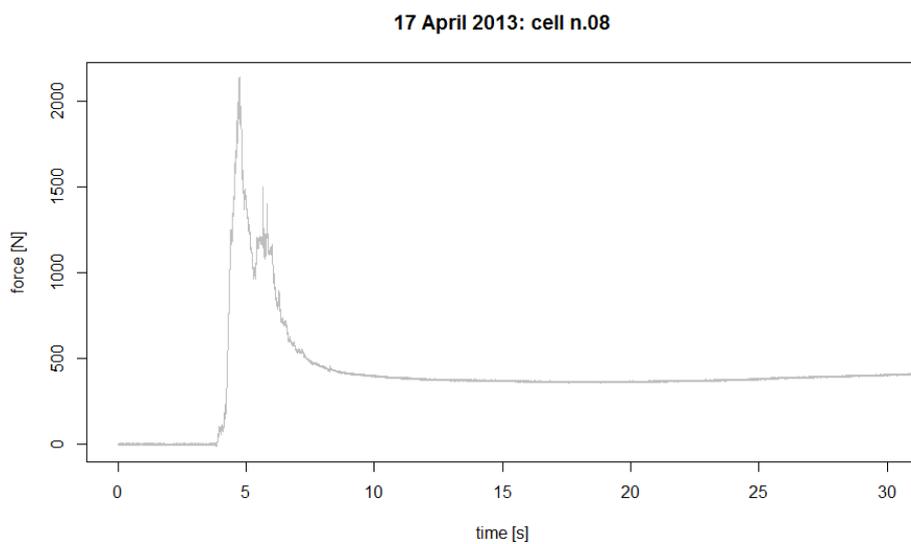


Figure S21. 17 April 2013: impact forces recorded by load transducer n. 08.

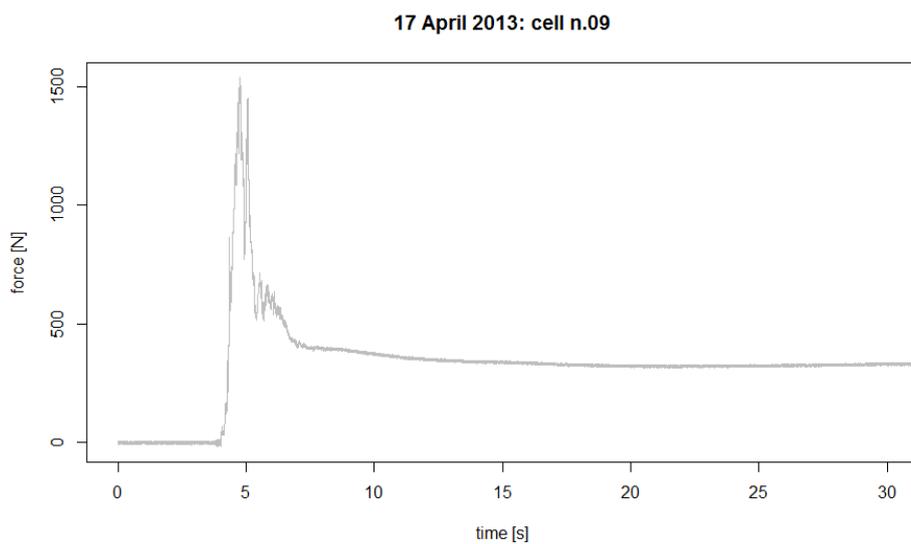


Figure S22. 17 April 2013: impact forces recorded by load transducer n. 09.

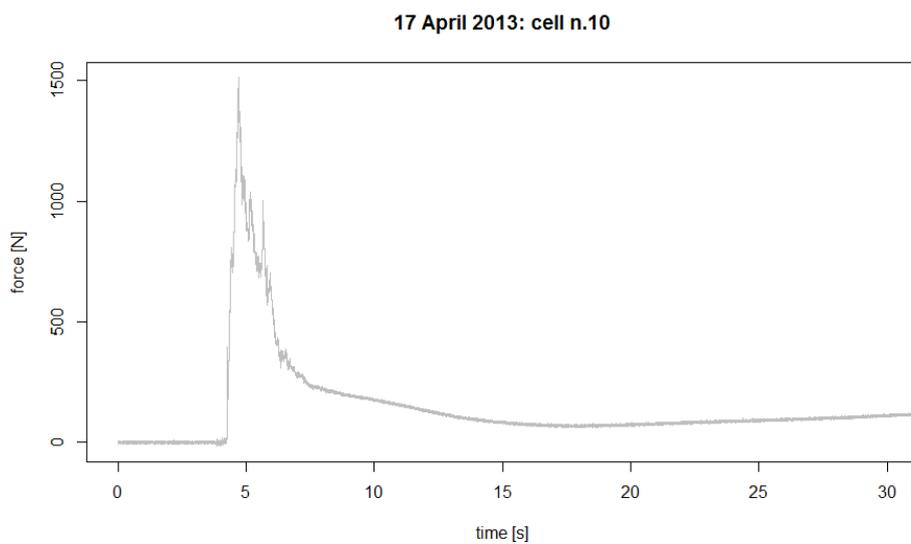


Figure S23. 17 April 2013: impact forces recorded by load transducer n. 10.

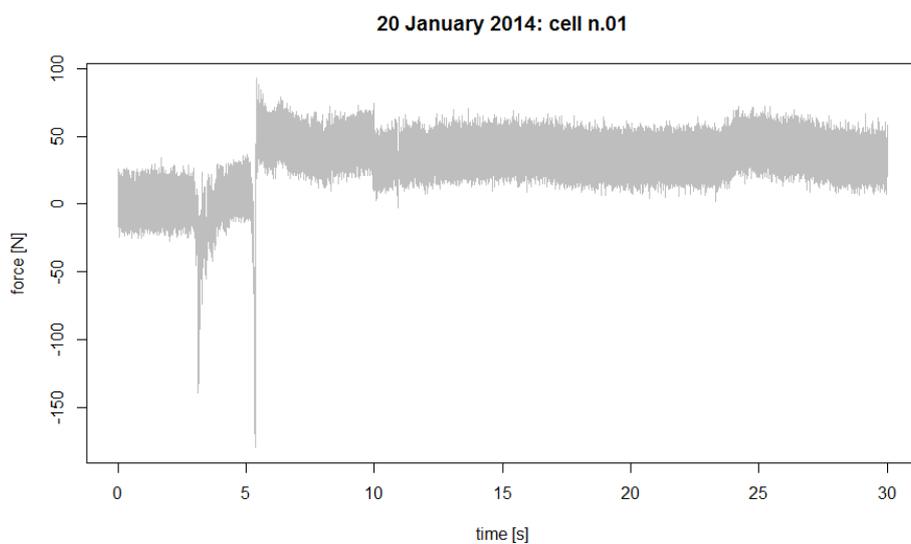


Figure S24. 20 January 2014: impact forces recorded by load transducer n. 01.

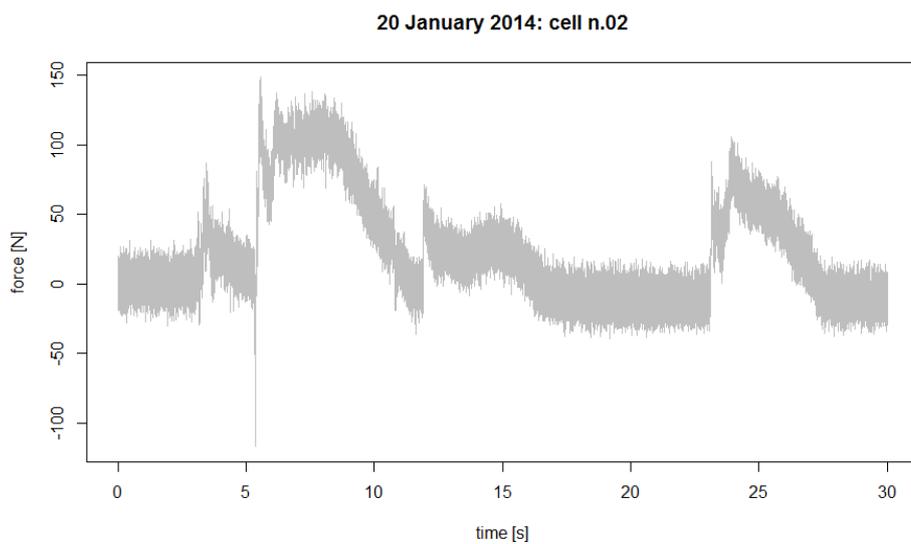


Figure S25. 20 January 2014: impact forces recorded by load transducer n. 02.

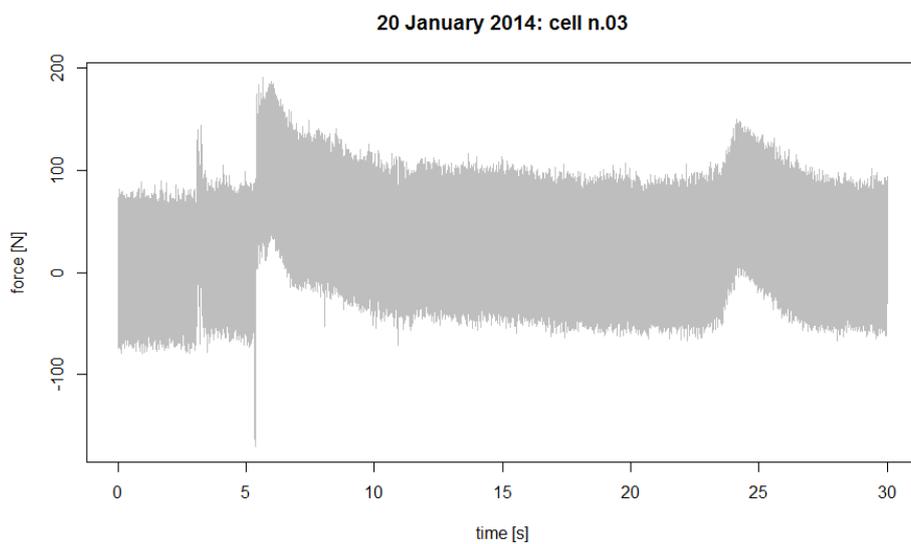


Figure S26. 20 January 2014: impact forces recorded by load transducer n. 03.

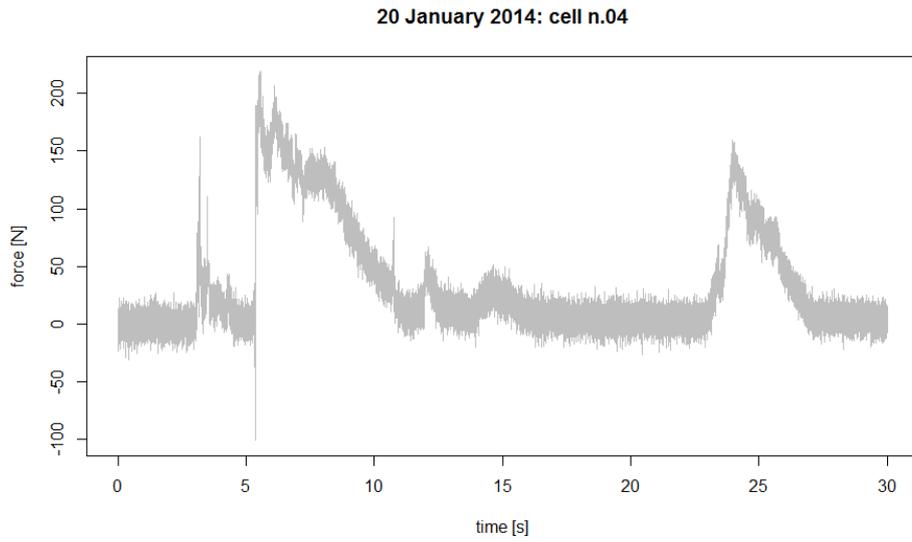


Figure S27. 20 January 2014: impact forces recorded by load transducer n. 04.

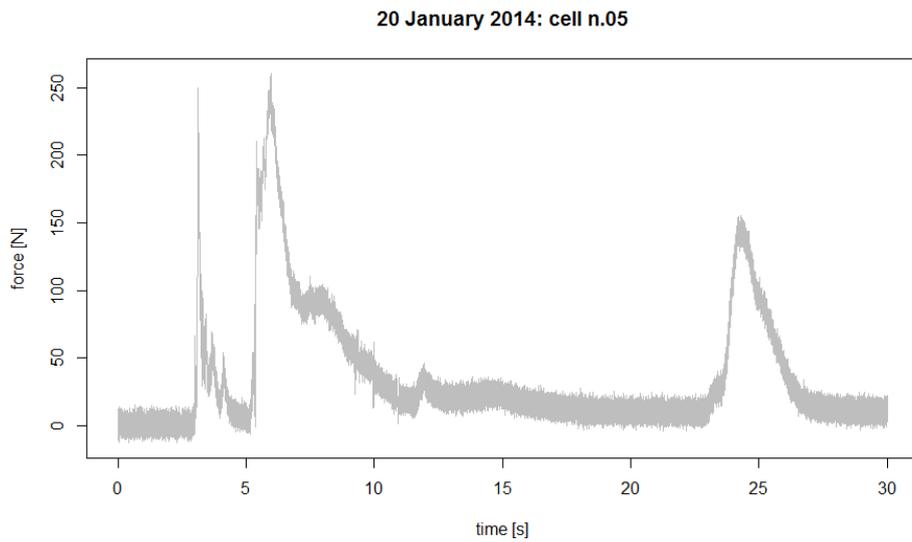


Figure S28. 20 January 2014: impact forces recorded by load transducer n. 05.

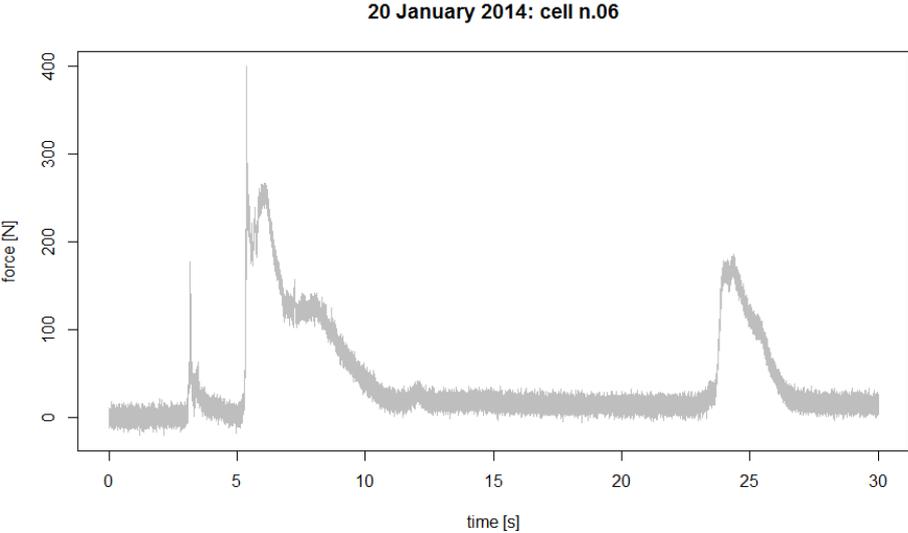


Figure S29. 20 January 2014: impact forces recorded by load transducer n. 06.

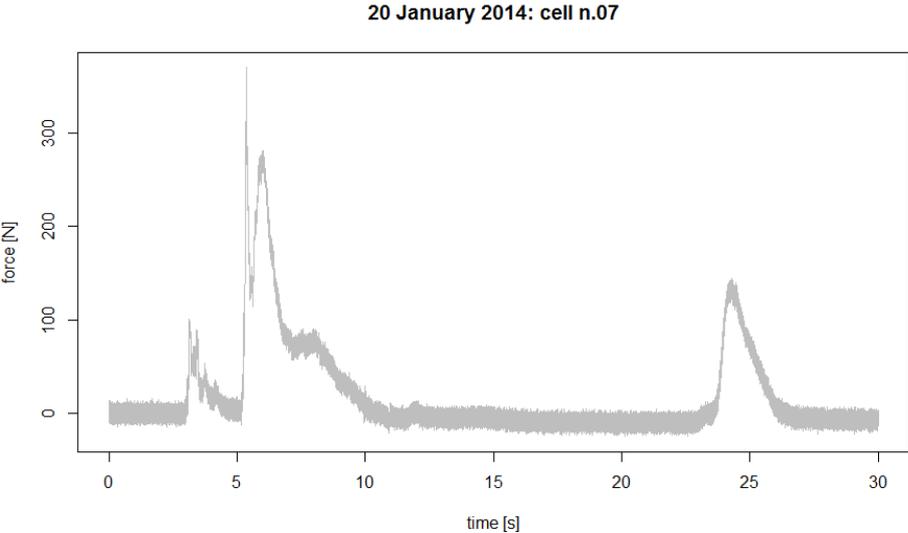


Figure S30. 20 January 2014: impact forces recorded by load transducer n. 07.

20 January 2014: cell n.08

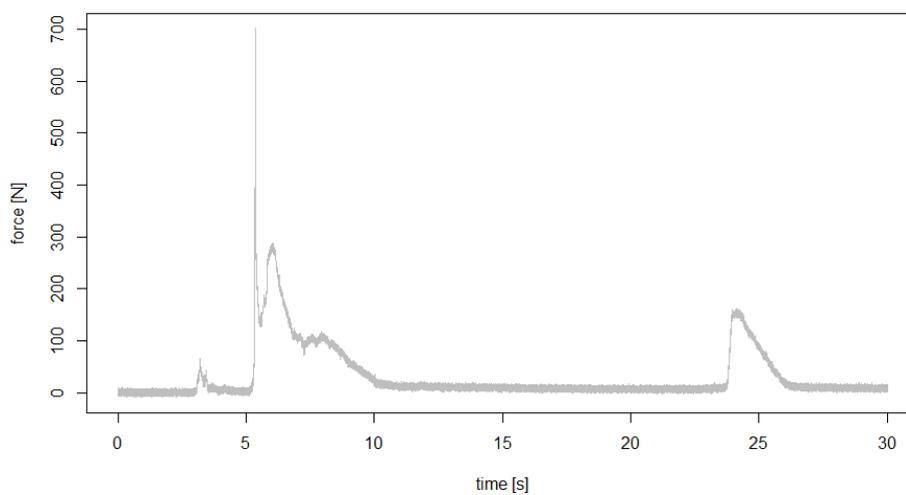


Figure S31. 20 January 2014: impact forces recorded by load transducer n. 08.

20 January 2014: cell n.09

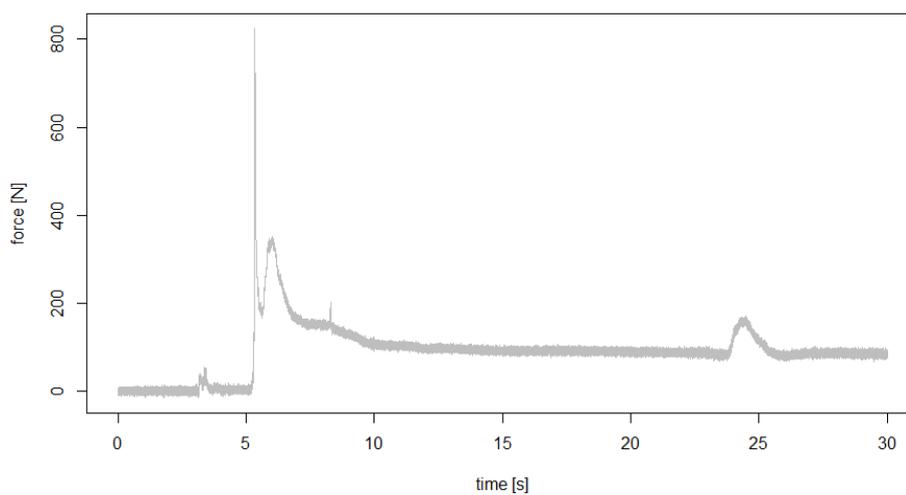


Figure S32. 20 January 2014: impact forces recorded by load transducer n. 09.

20 January 2014: cell n.10

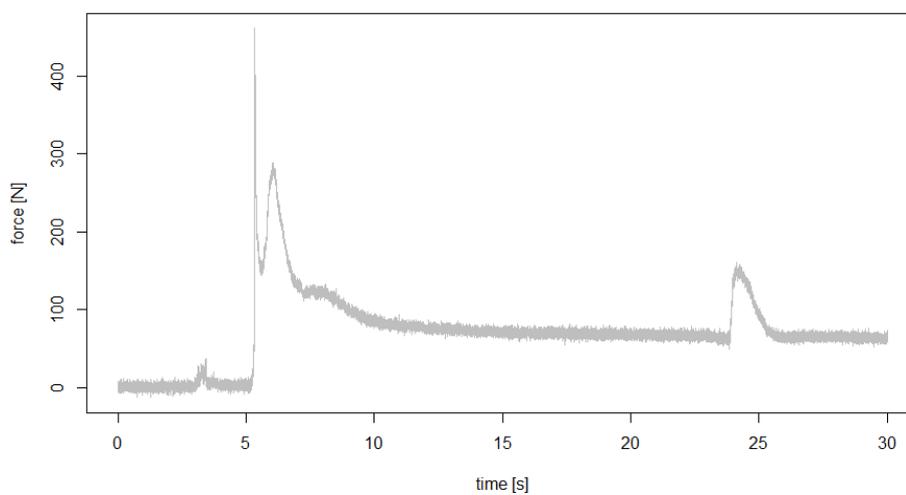


Figure S33. 20 January 2014: impact forces recorded by load transducer n. 10.

30 April 2014: cell n.01

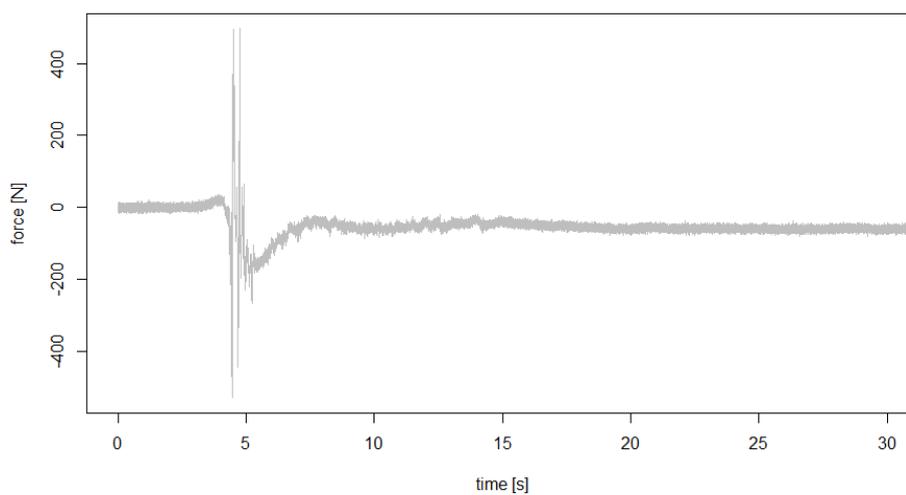


Figure S34. 30 April 2014: impact forces recorded by load transducer n. 01.

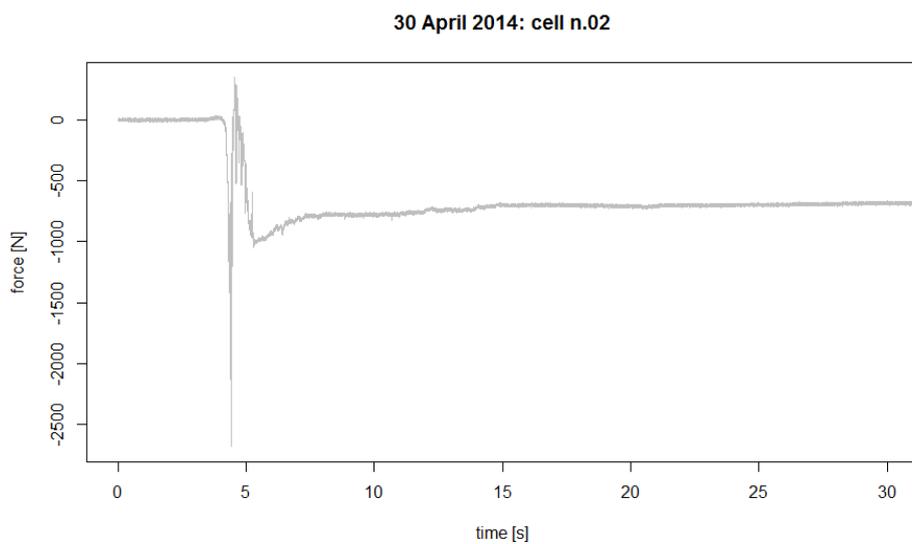


Figure S35. 30 April 2014: impact forces recorded by load transducer n. 02.

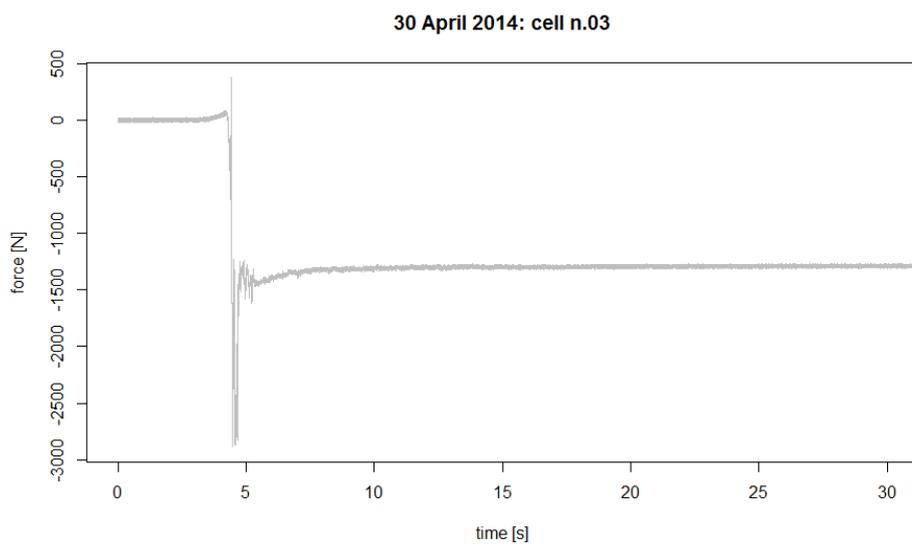


Figure S36. 30 April 2014: impact forces recorded by load transducer n. 03.

30 April 2014: cell n.04

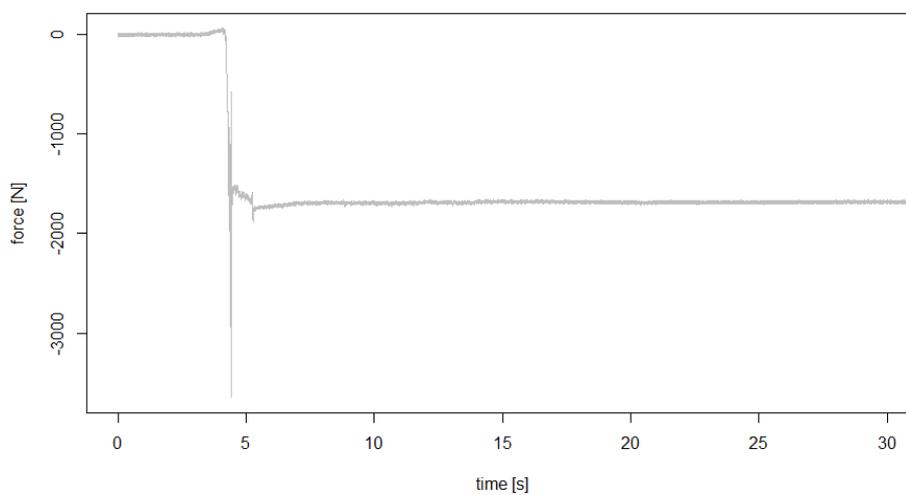


Figure S37. 30 April 2014: impact forces recorded by load transducer n. 04.

30 April 2014: cell n.05

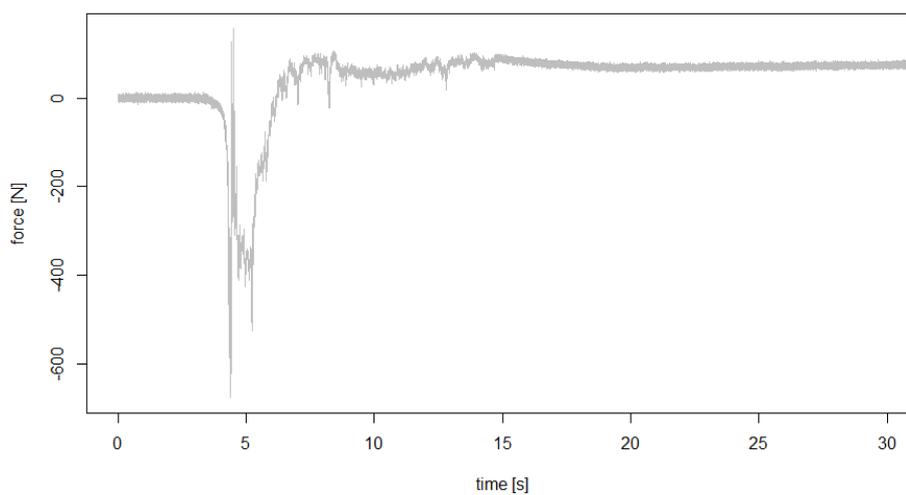


Figure S38. 30 April 2014: impact forces recorded by load transducer n. 05.

30 April 2014: cell n.06

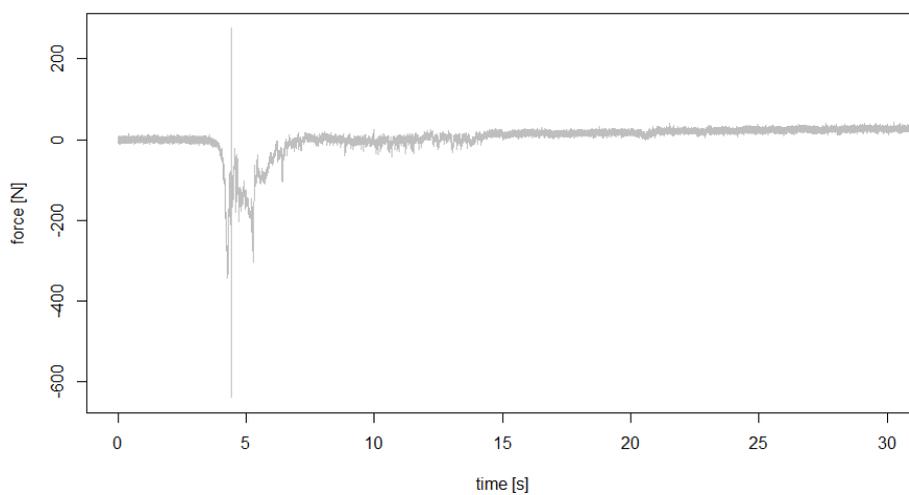


Figure S39. 30 April 2014: impact forces recorded by load transducer n. 06.

30 April 2014: cell n.07

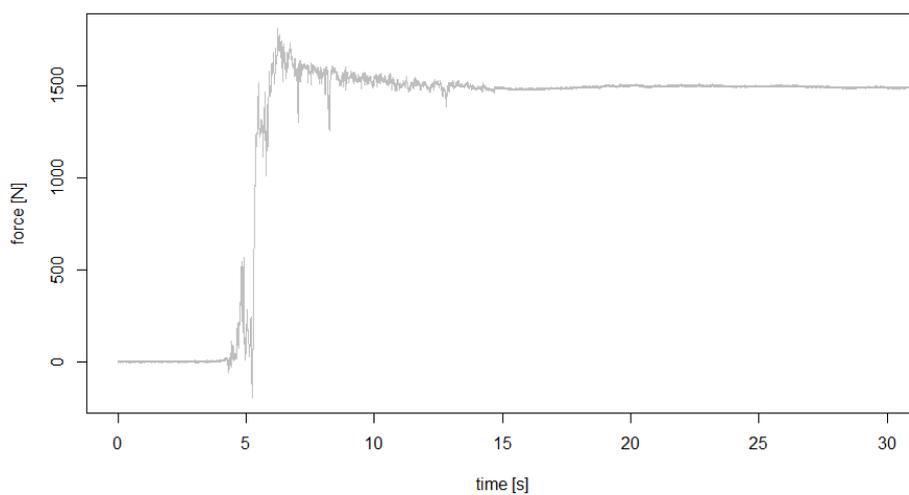


Figure S40. 30 April 2014: impact forces recorded by load transducer n. 07.

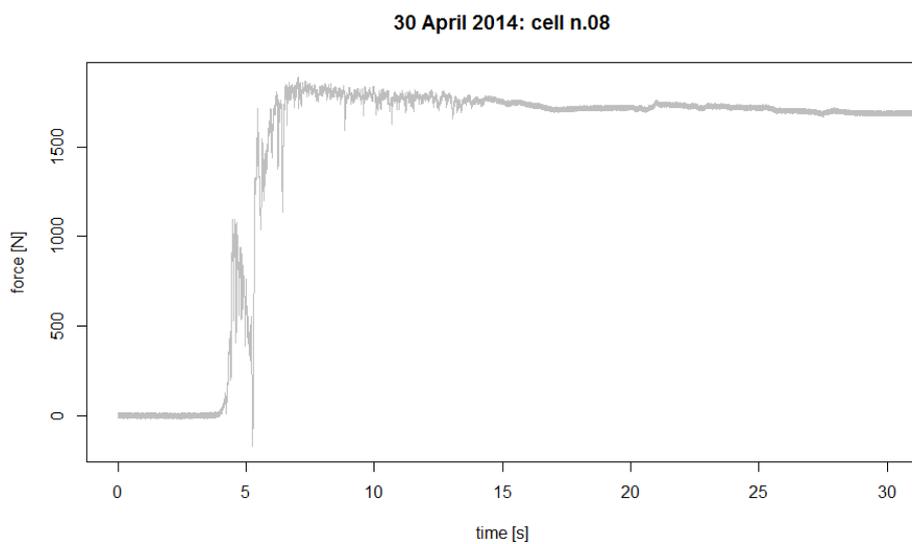


Figure S41. 30 April 2014: impact forces recorded by load transducer n. 08.

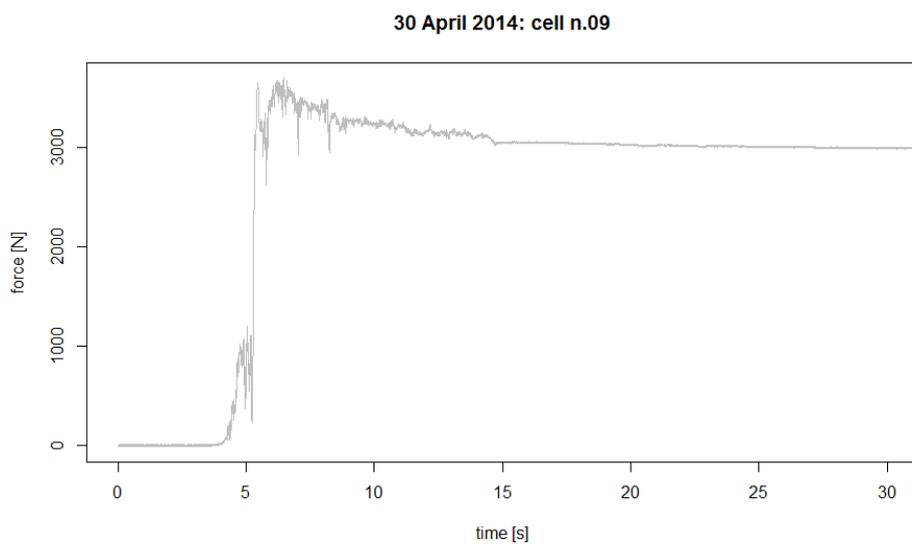


Figure S42. 30 April 2014: impact forces recorded by load transducer n. 09.

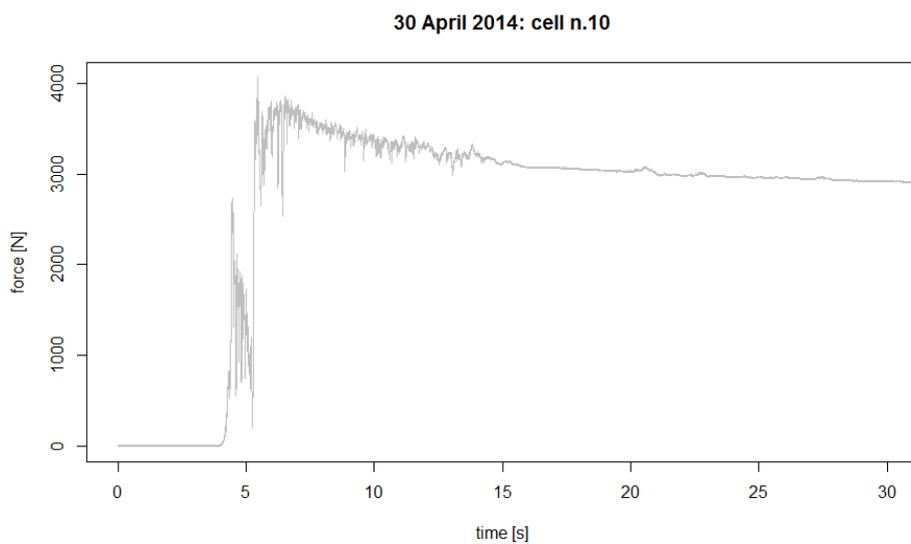


Figure S43. 30 April 2014: impact forces recorded by load transducer n. 10.

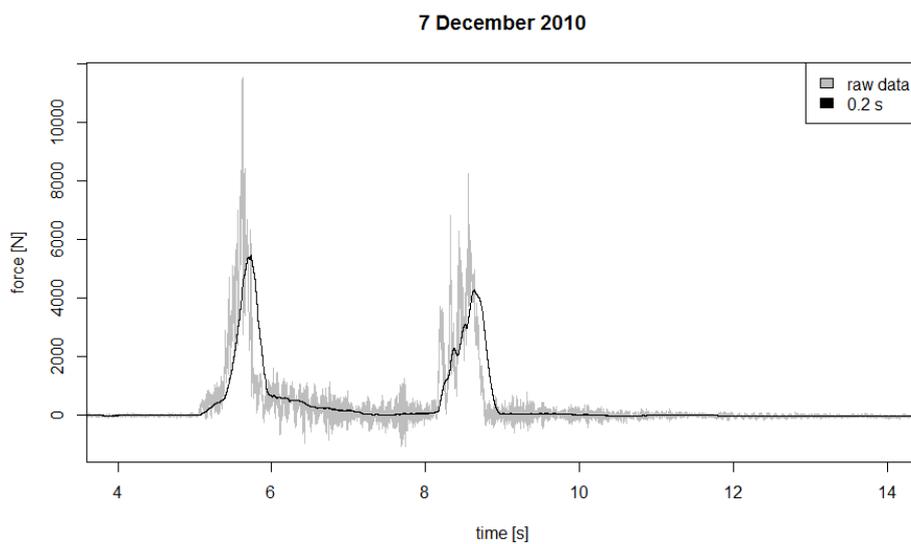


Figure S44. 7 December 2010: total force on the impacted area.

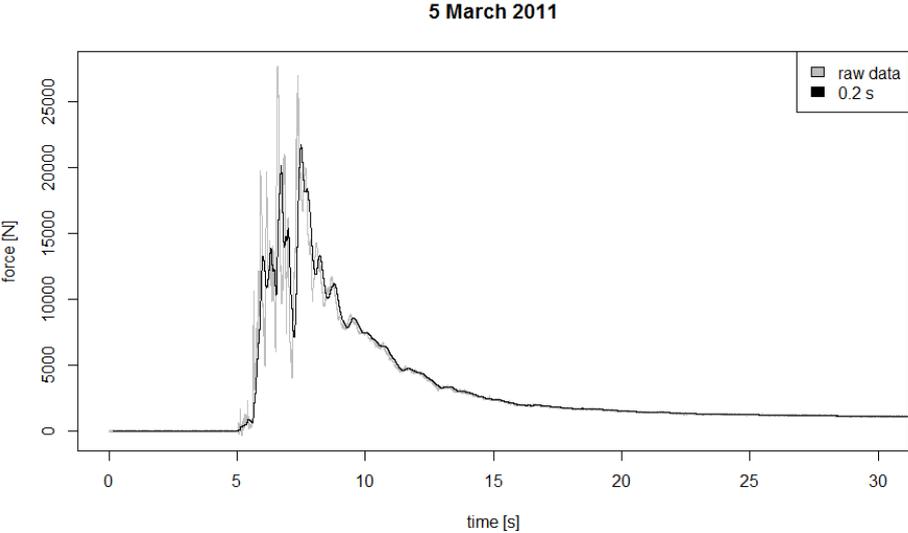


Figure S45. 5 March 2011: total force on the impacted area.

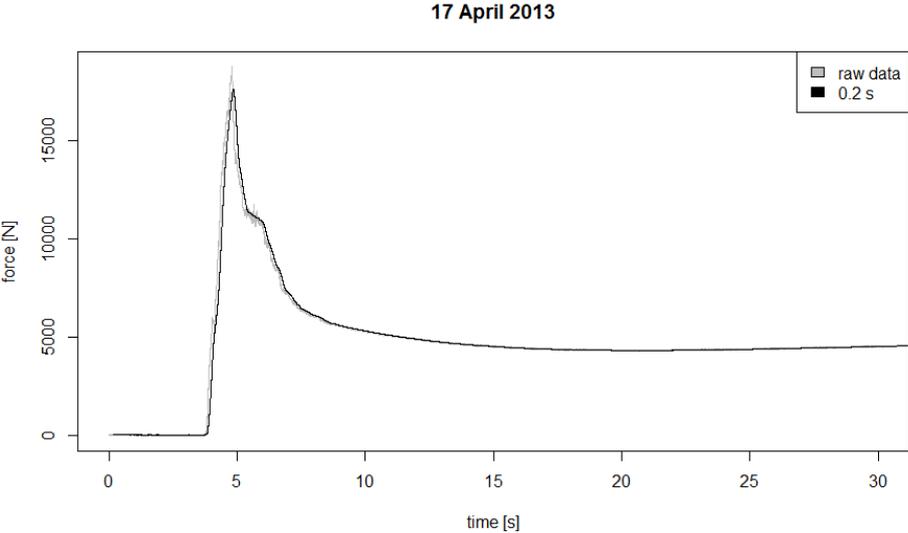


Figure S46. 17 April 2013: total force on the impacted area.

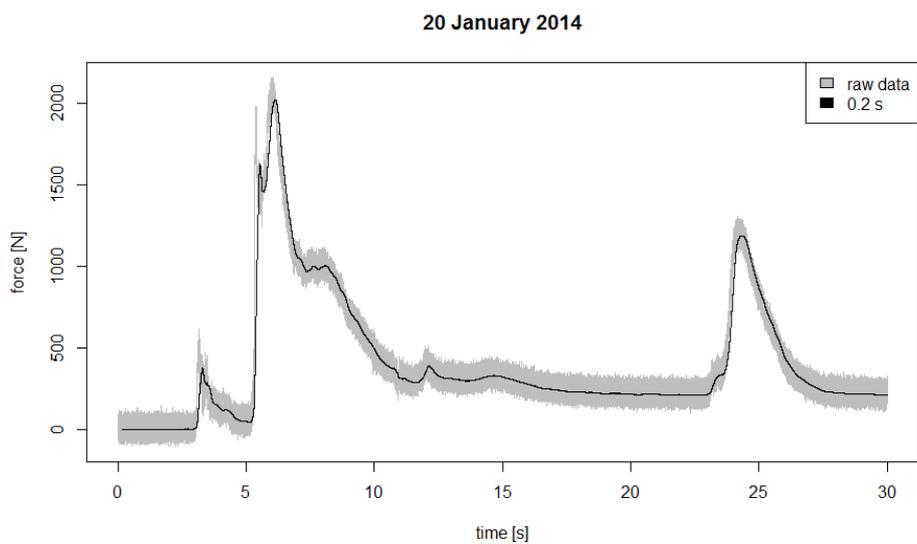


Figure S47. 20 January 2014: total force on the impacted area.

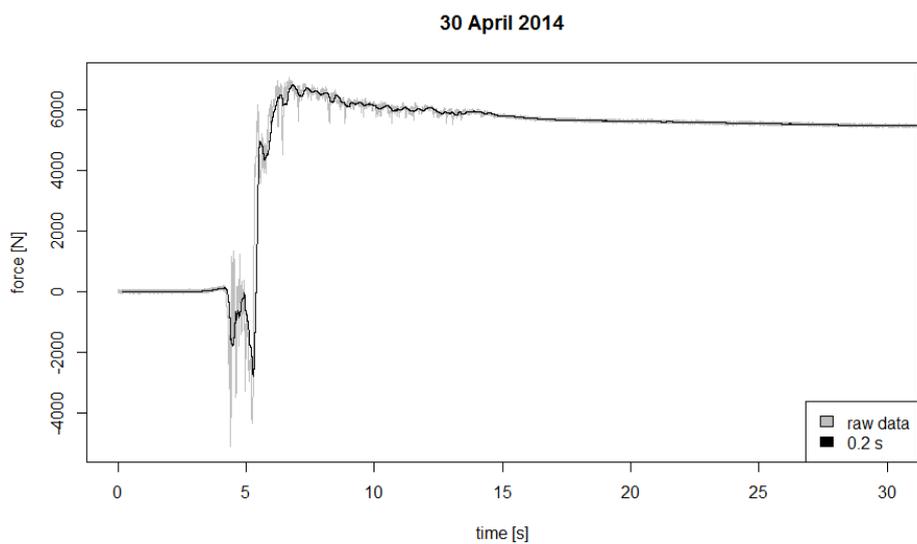


Figure S48. 30 April 2014: total force on the impacted area.



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