

Supporting Information for “A source of the explosive sound on April 26, 2021 in Hokkaido, Japan”

Introduction

The supporting information contains 29 figures.

Figures S1-S14: The format of subfigure (a) is the same as Figure 1 and the format of subfigure (b) is the same as Figure 4.

Figures S15-S28: The format is the same as Figure 5.

Figures S29: The peak amplitude of the sonic boom for the April 26 event. The format is the same as Figure 1.

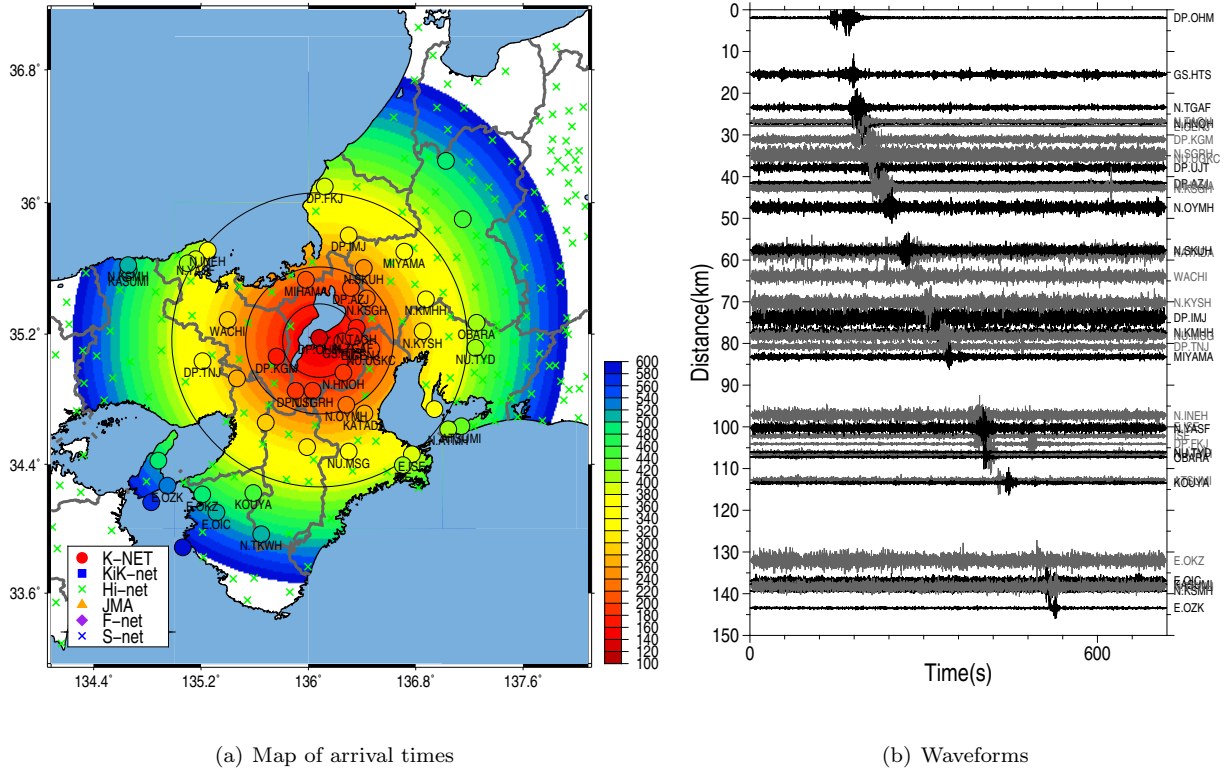


Figure S1. Results of the event No.1

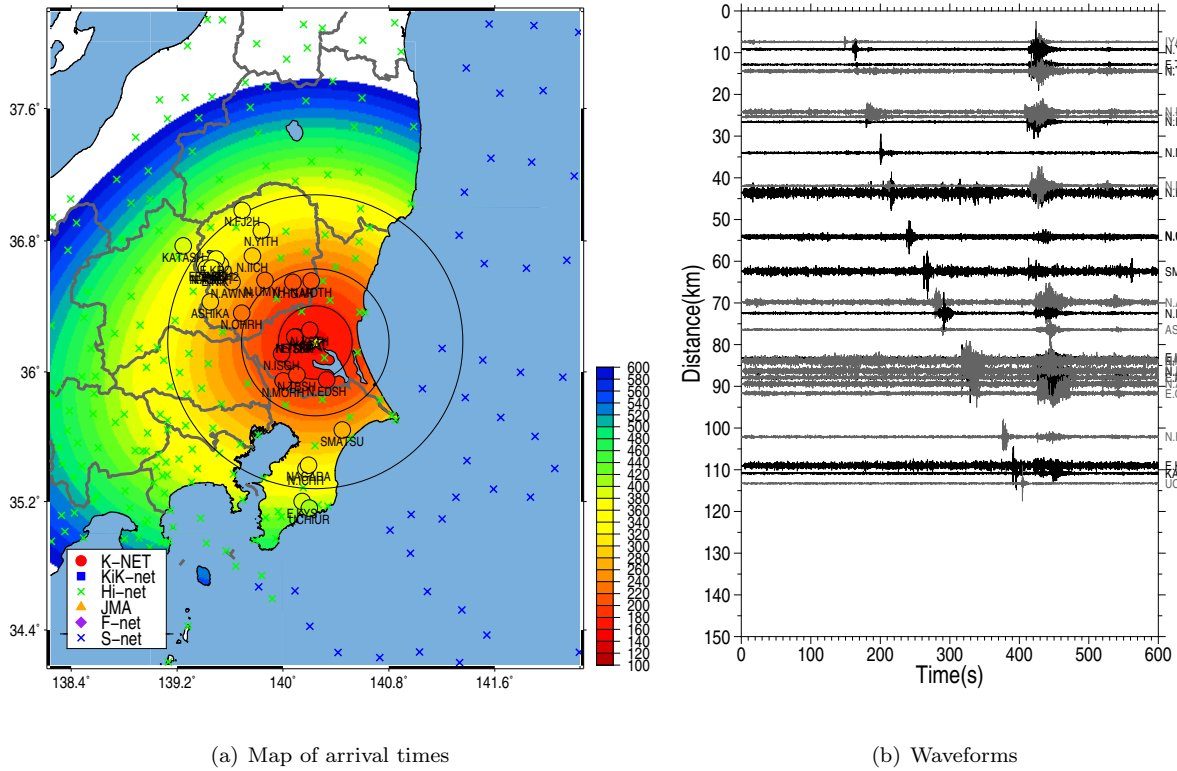


Figure S2. Results of the event No.2

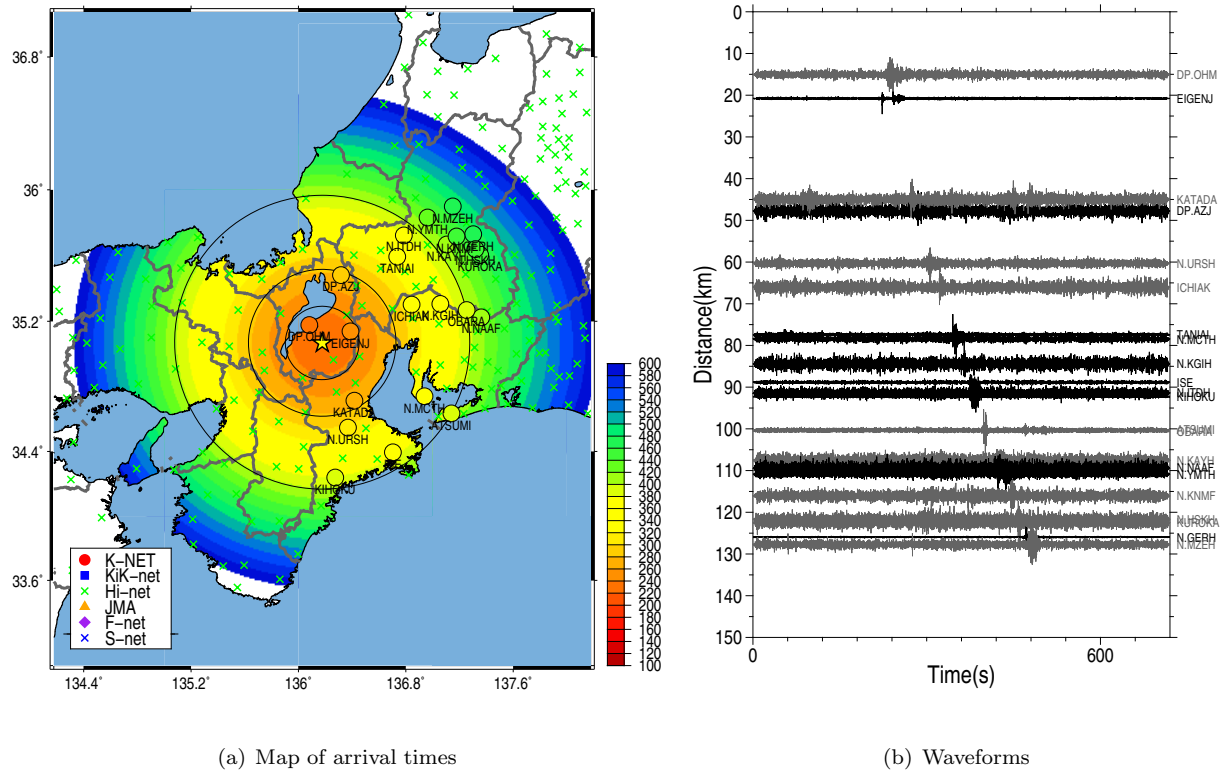


Figure S3. Results of the event No.3

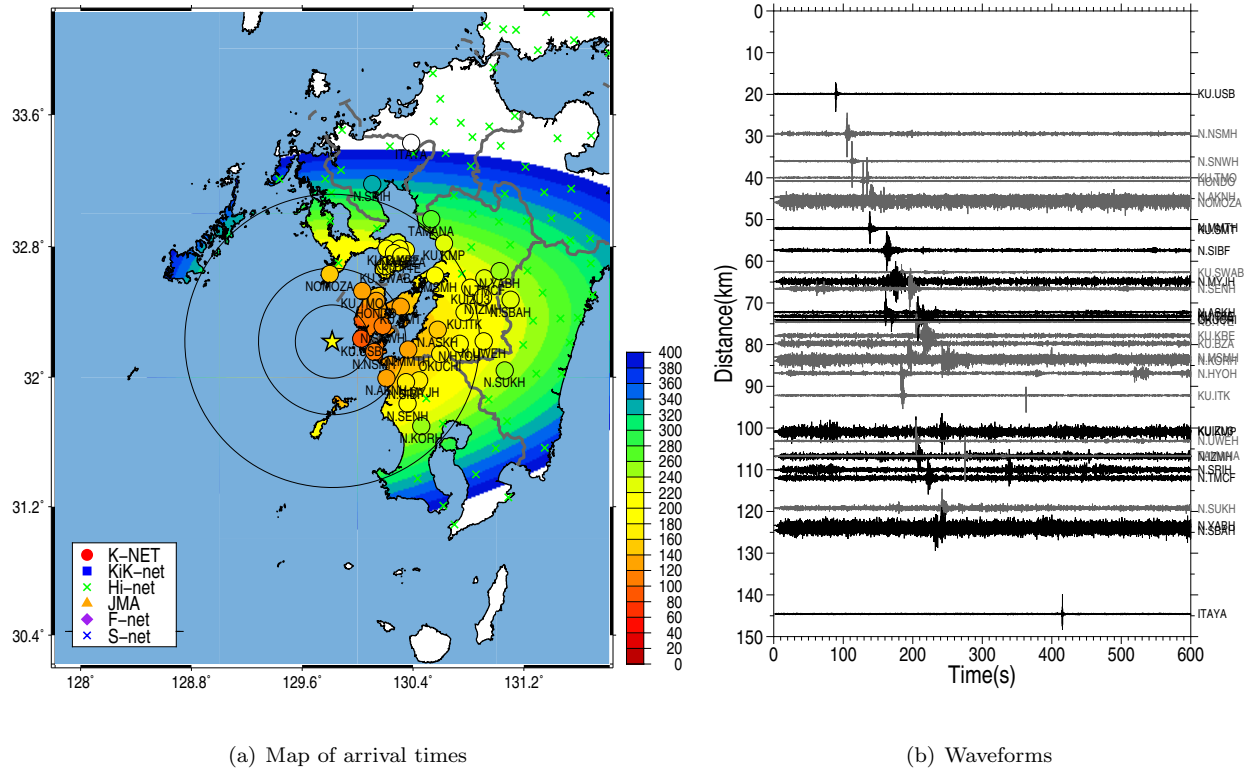


Figure S4. Results of the event No.4

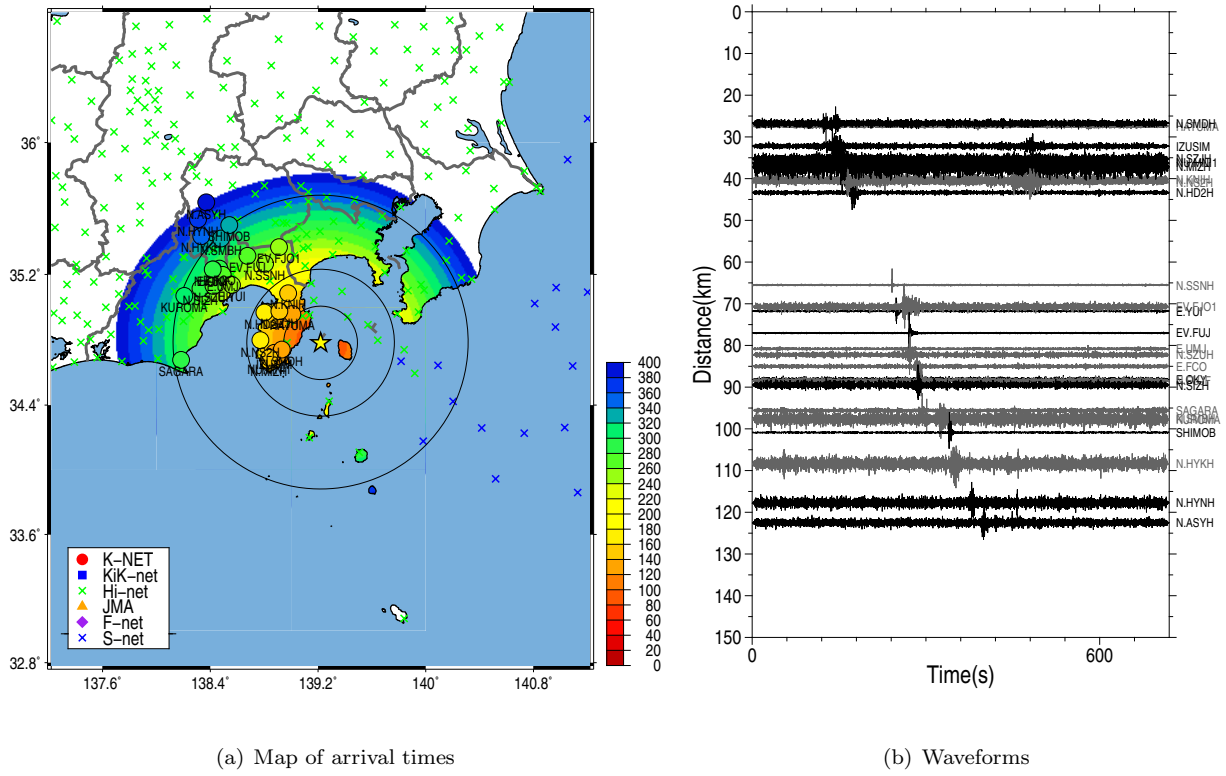


Figure S5. Results of the event No.5

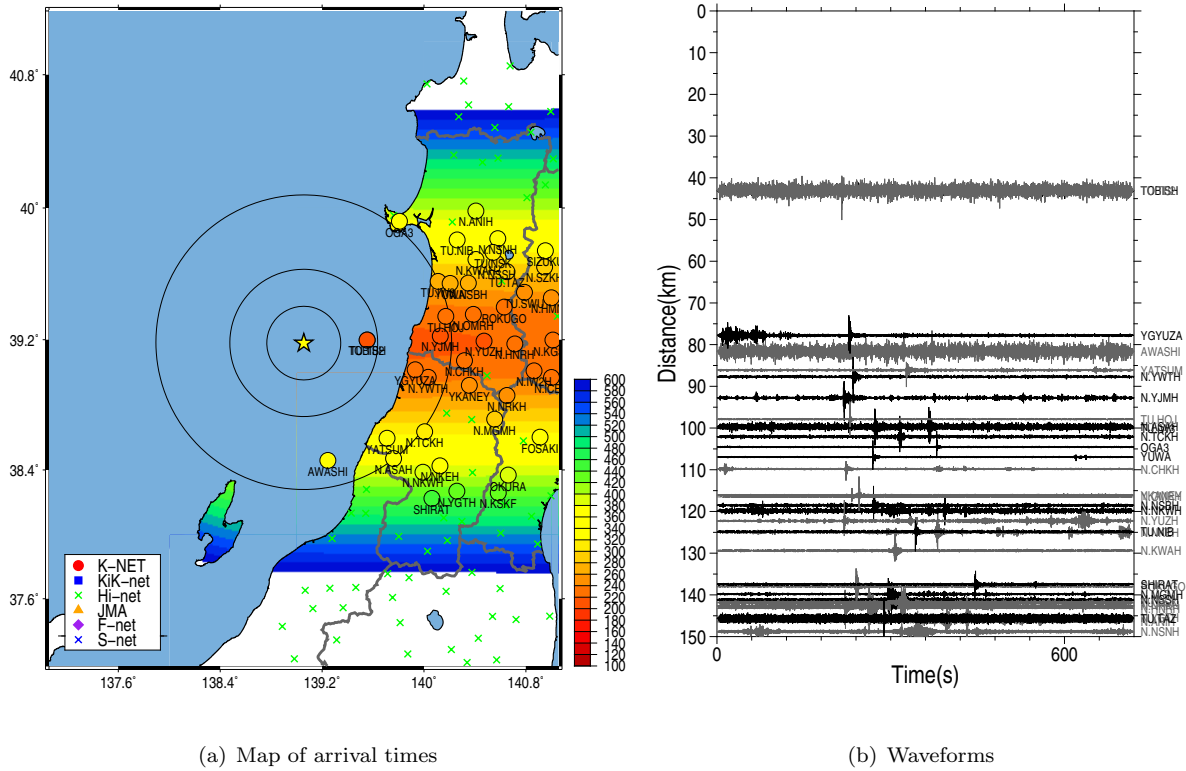


Figure S6. Results of the event No.6

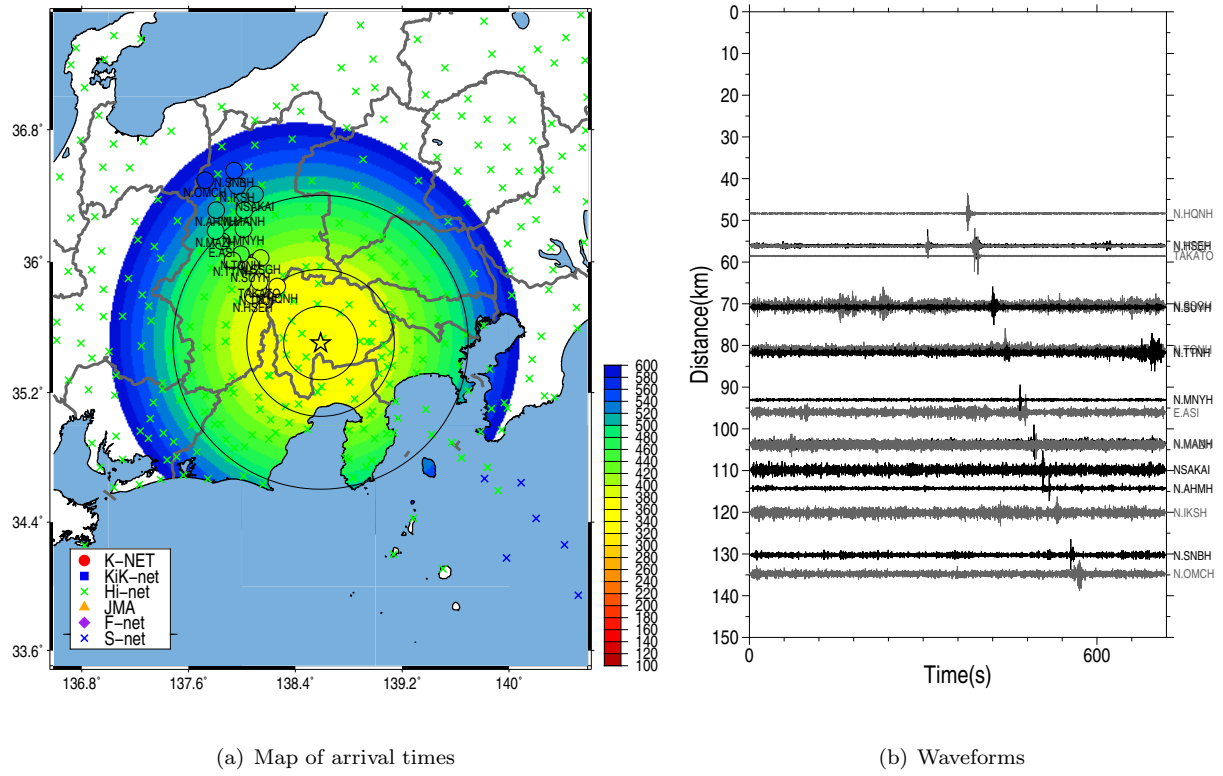


Figure S7. Results of the event No.7

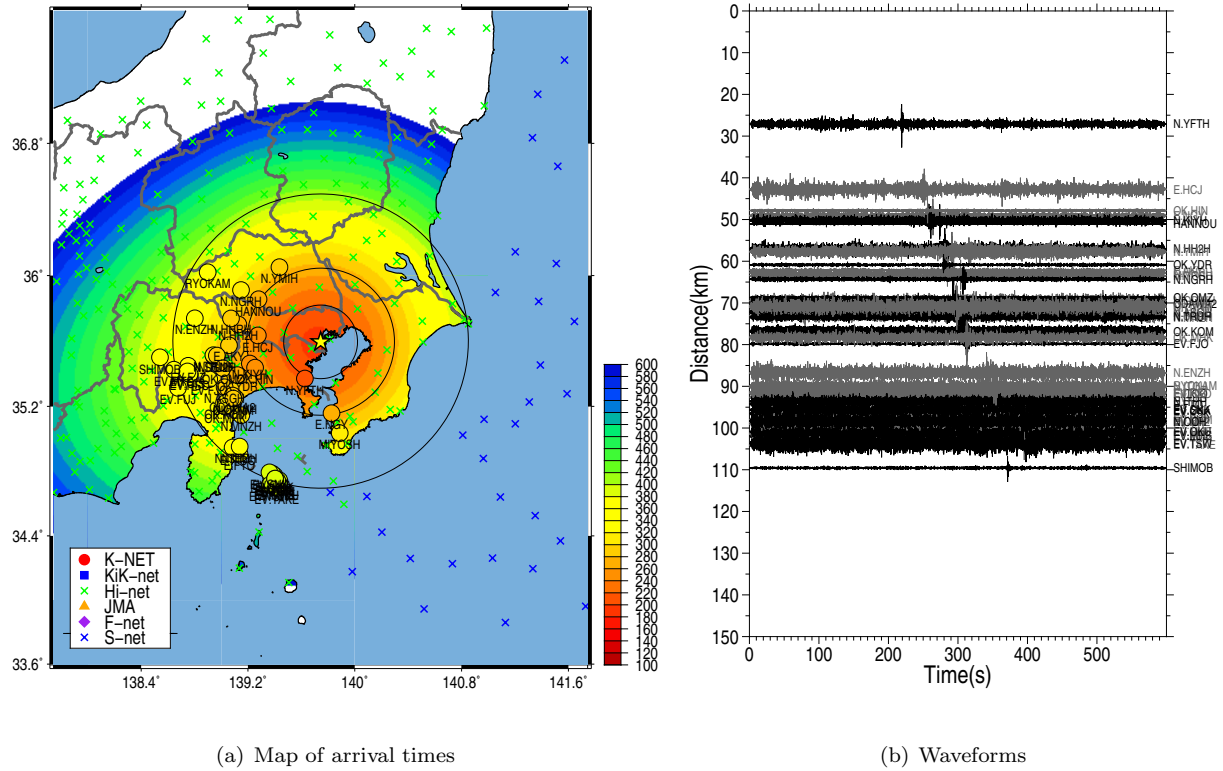


Figure S8. Results of the event No.8

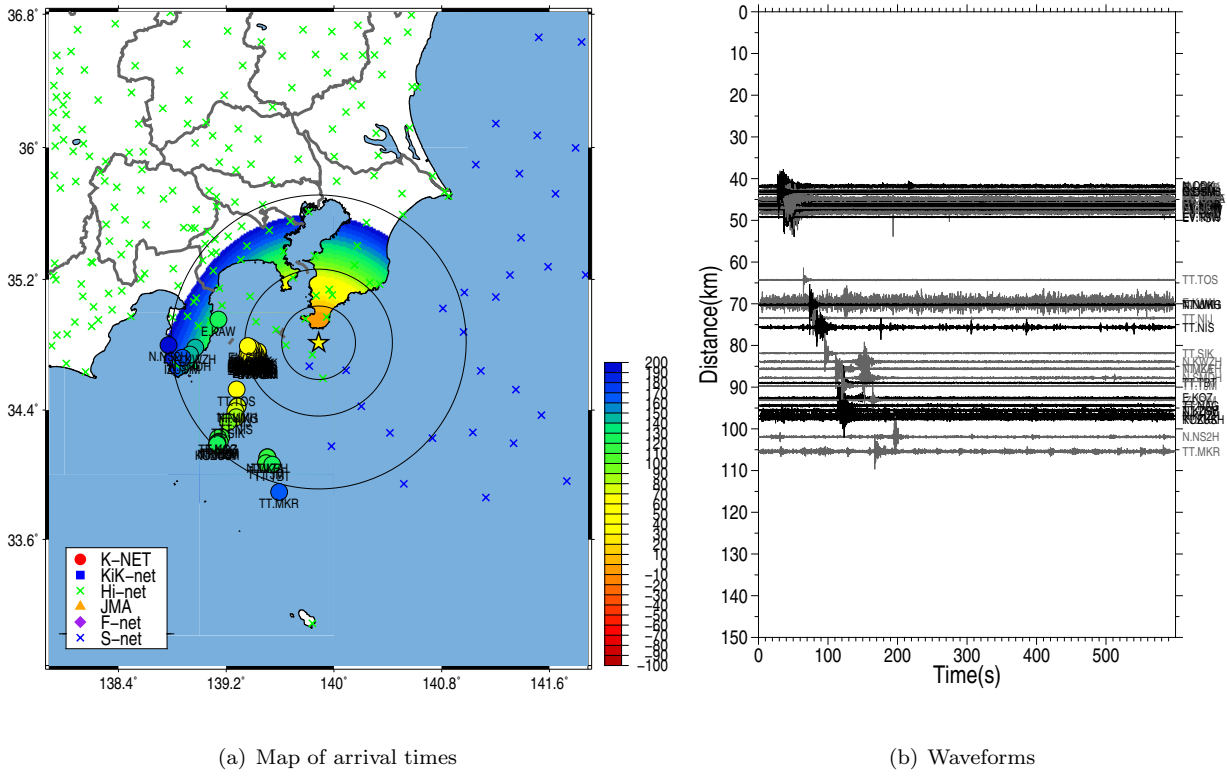


Figure S9. Results of the event No.9

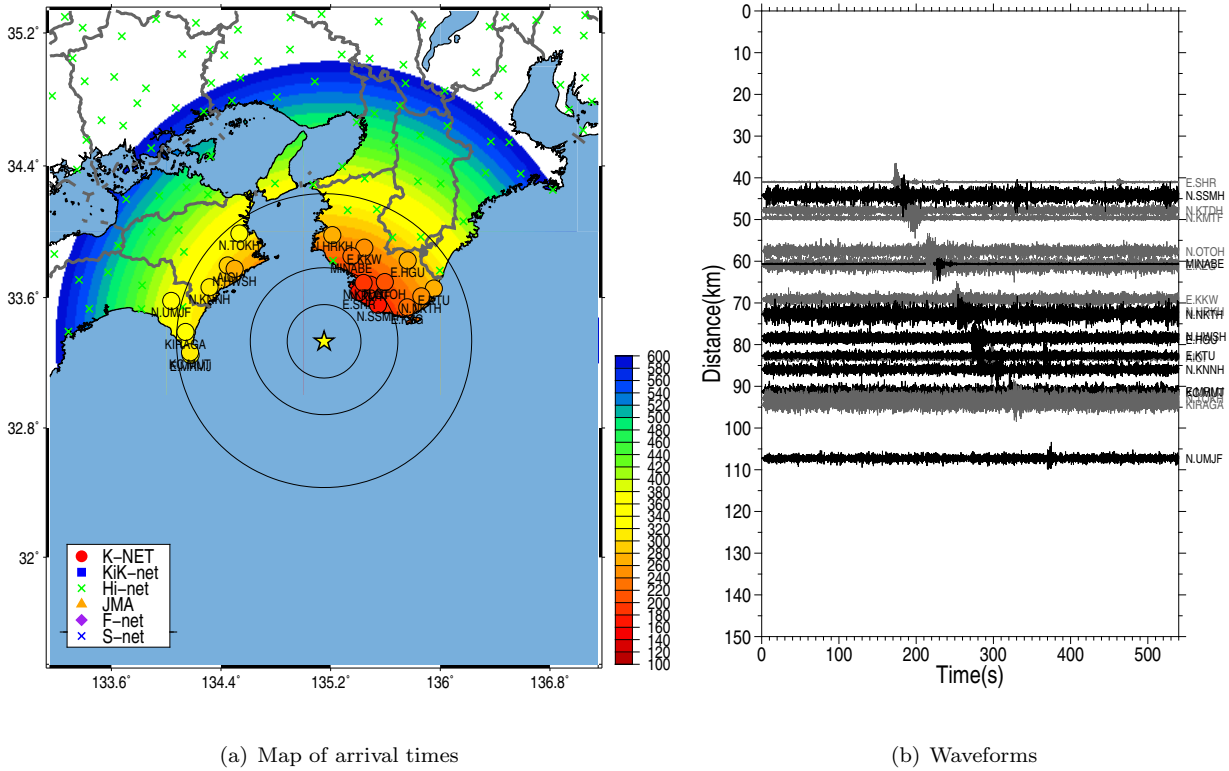


Figure S10. Results of the event No.10

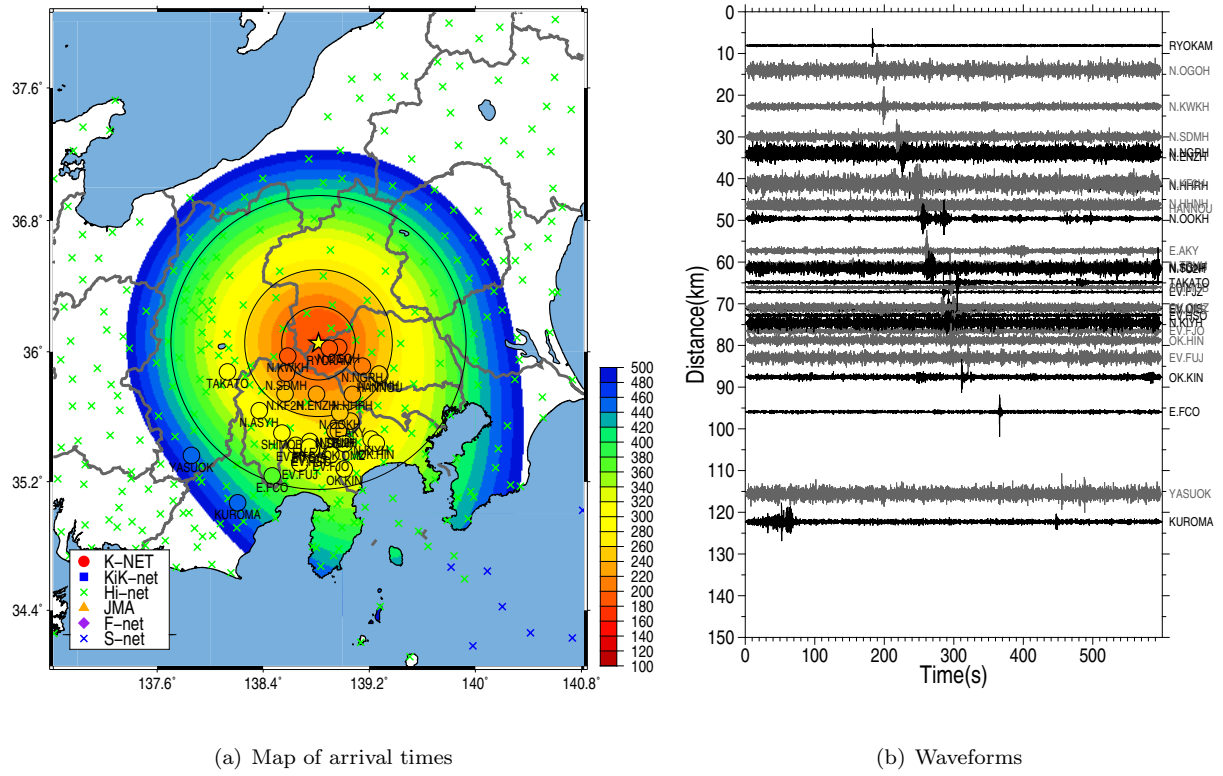


Figure S11. Results of the event No.11

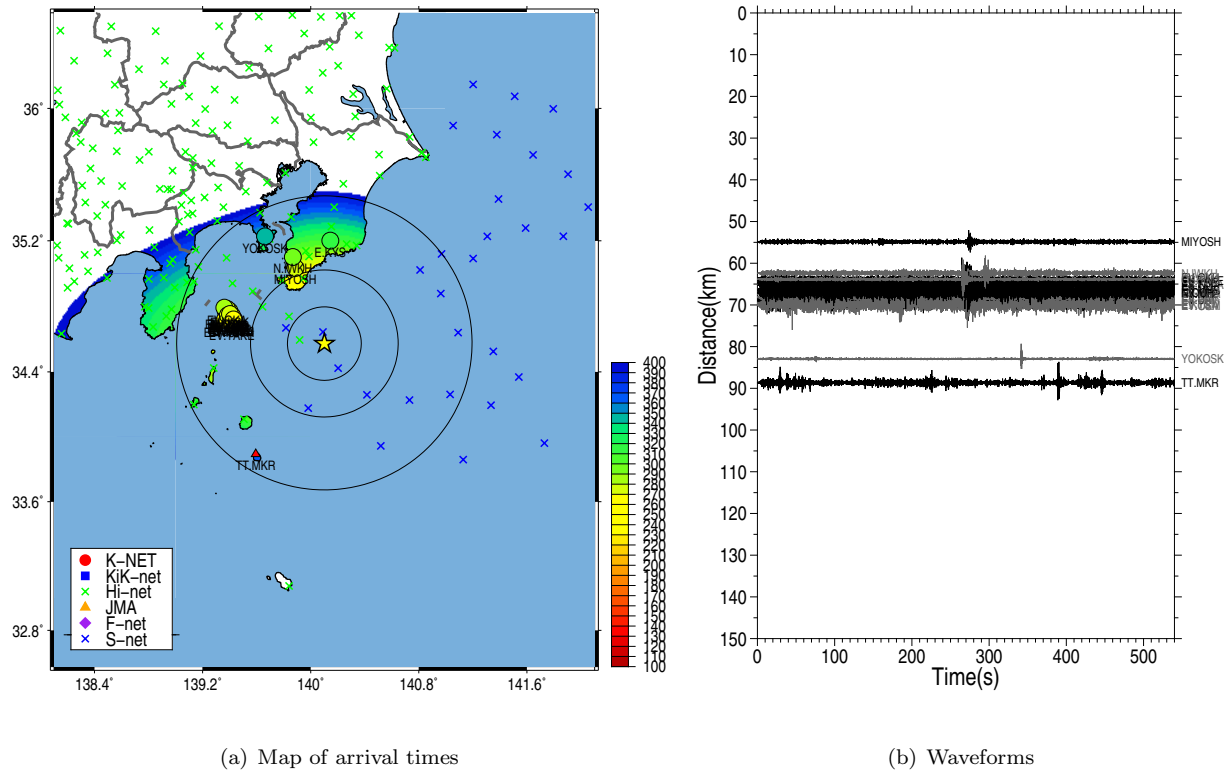
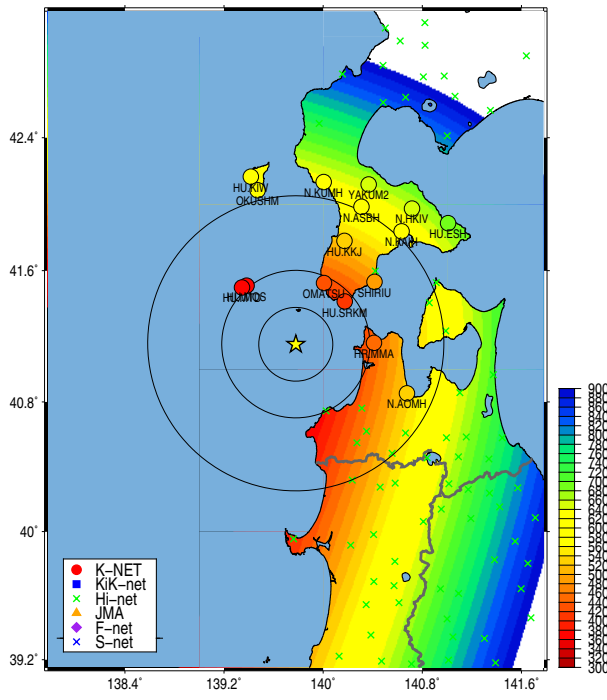
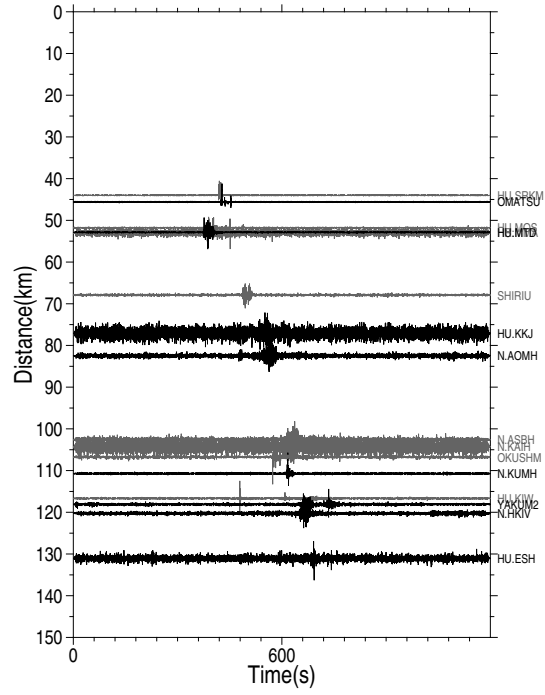


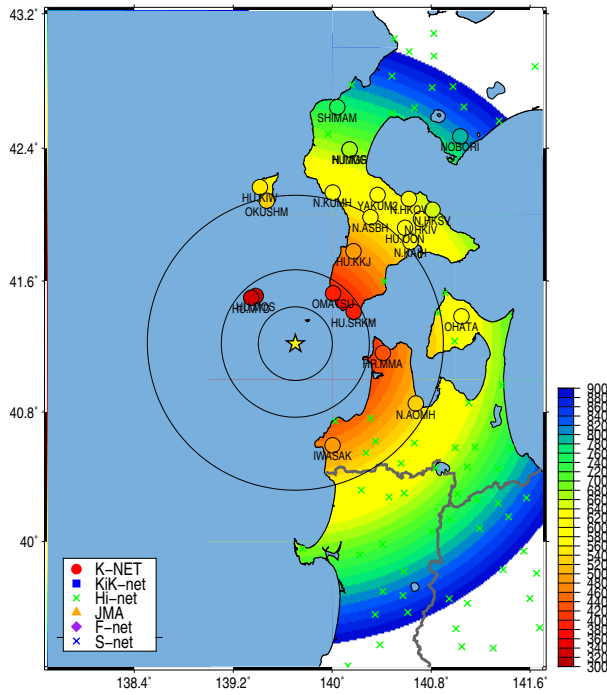
Figure S12. Results of the event No.12



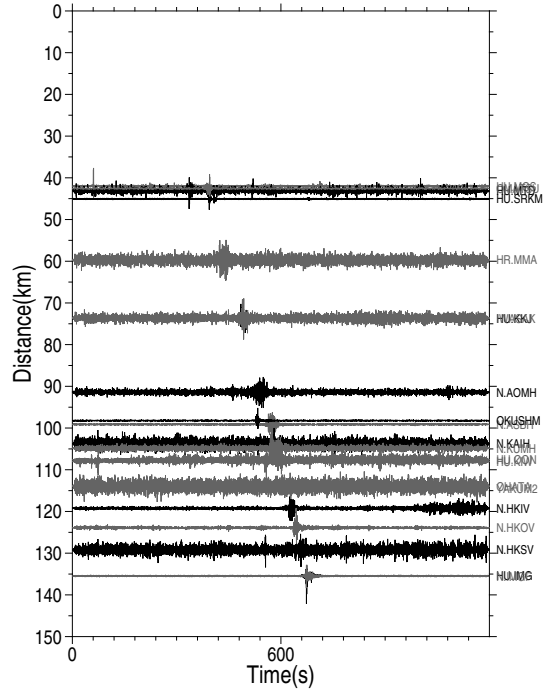
(a) Map of arrival times



(b) Waveforms

Figure S13. Results of the event No.A1

(a) Map of arrival times



(b) Waveforms

Figure S14. Results of the event No.A2

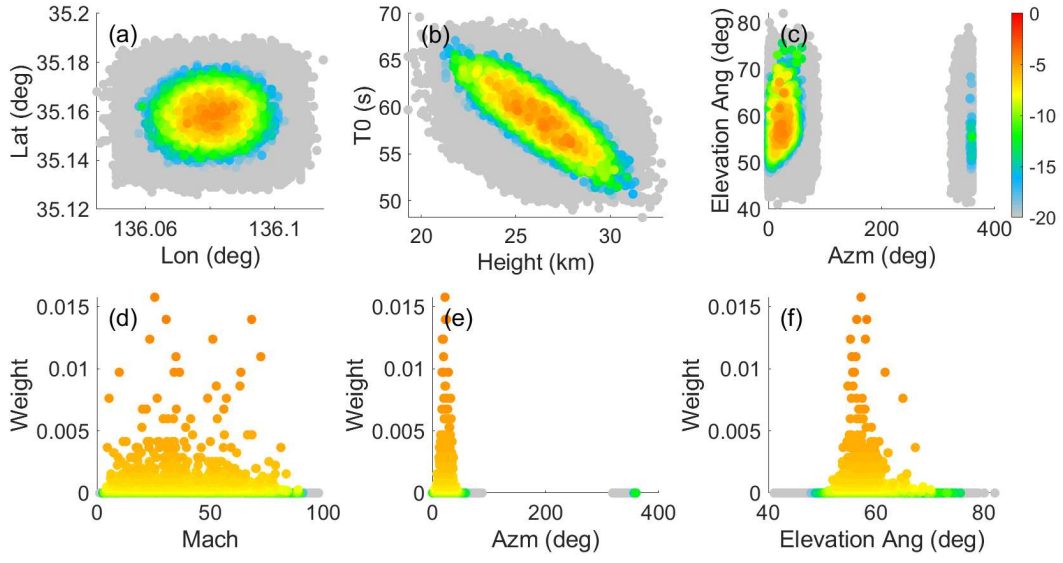


Figure S15. Samples in the parameter space used for of the event No.1.

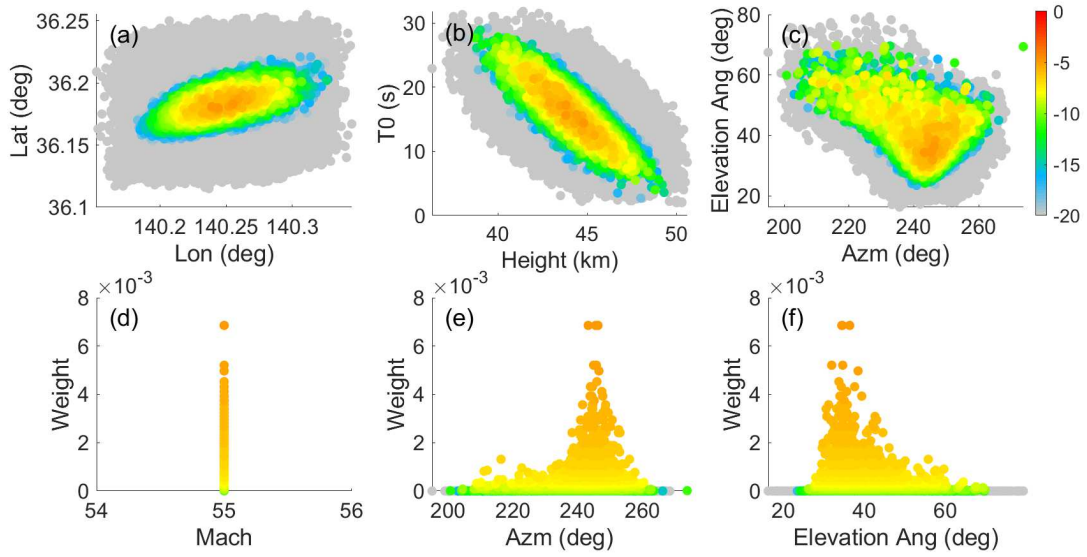


Figure S16. Samples in the parameter space used for of the event No.2.

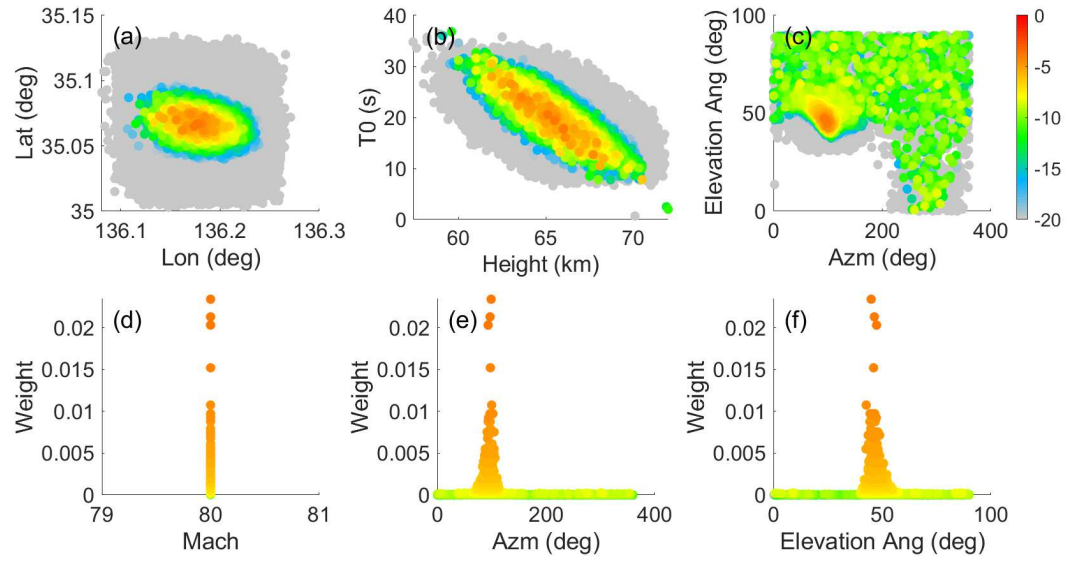


Figure S17. Samples in the parameter space used for of the event No.3.

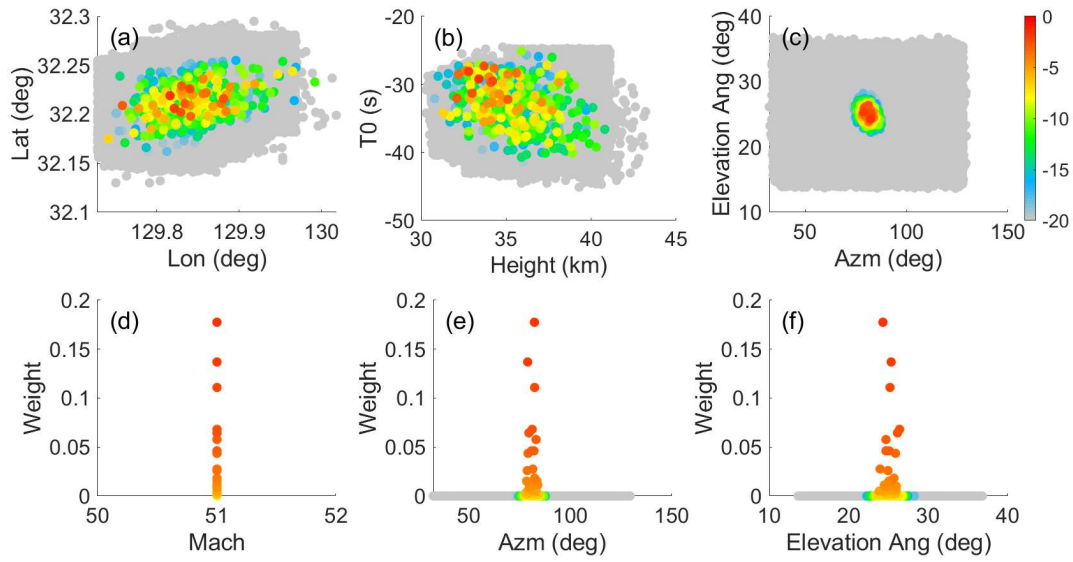


Figure S18. Samples in the parameter space used for of the event No.4.

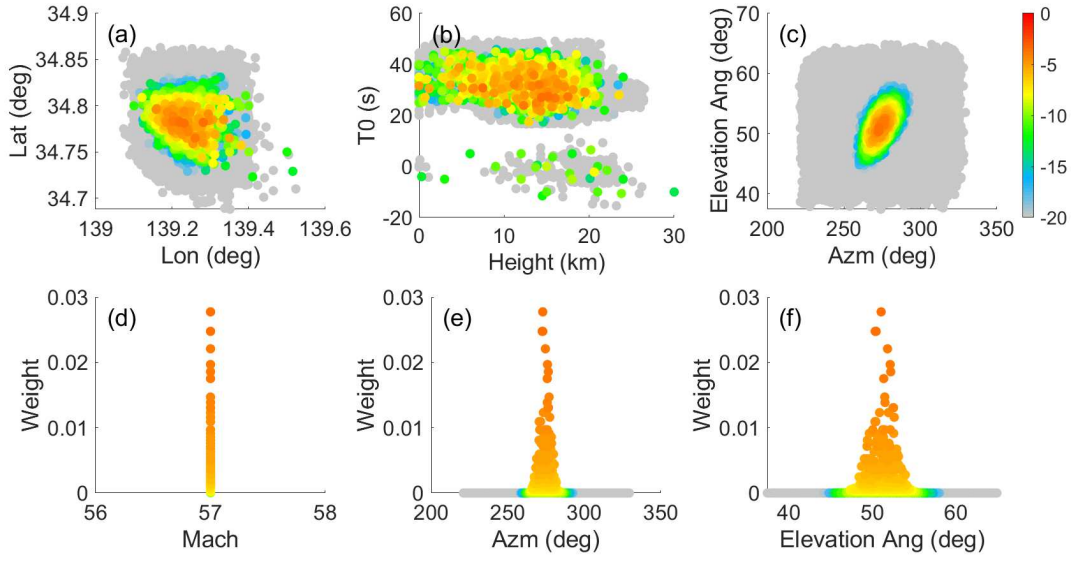


Figure S19. Samples in the parameter space used for of the event No.5.

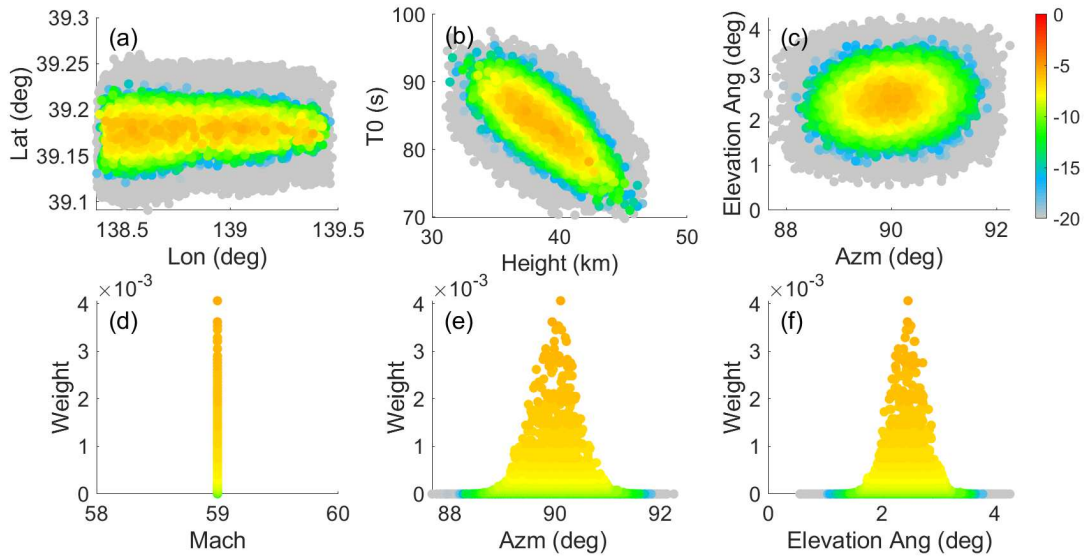


Figure S20. Samples in the parameter space used for of the event No.6.

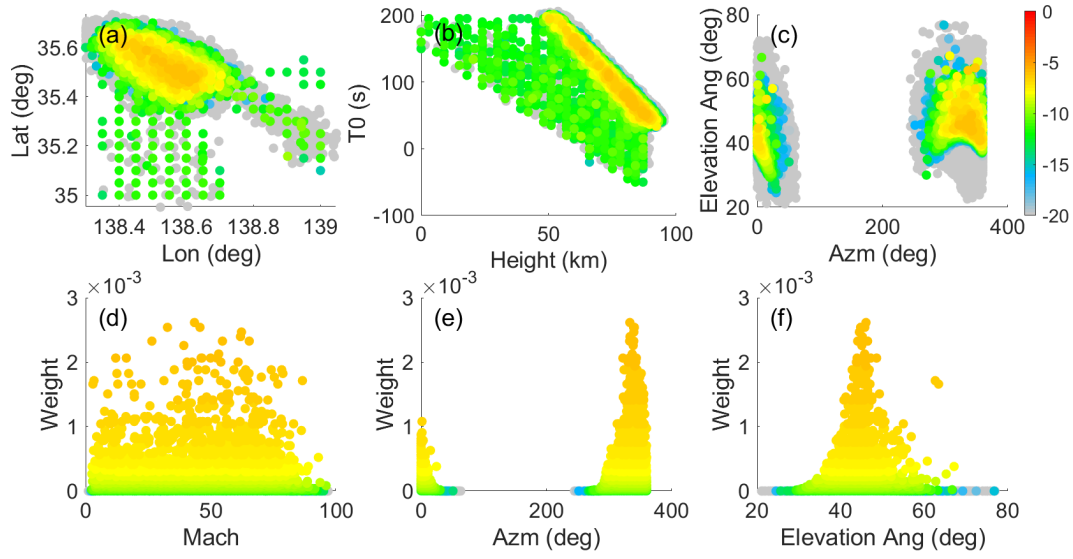


Figure S21. Samples in the parameter space used for of the event No.7.

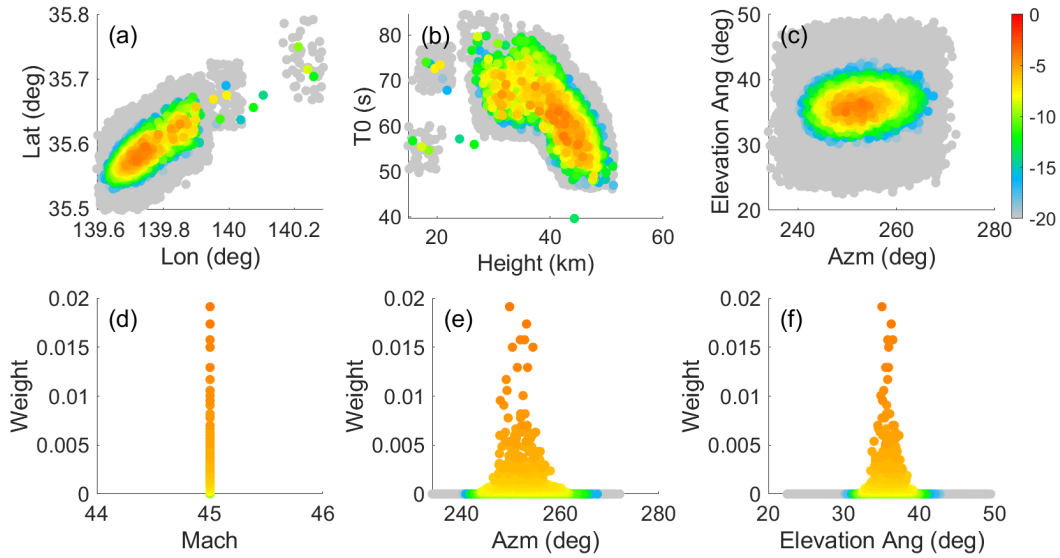


Figure S22. Samples in the parameter space used for of the event No.8.

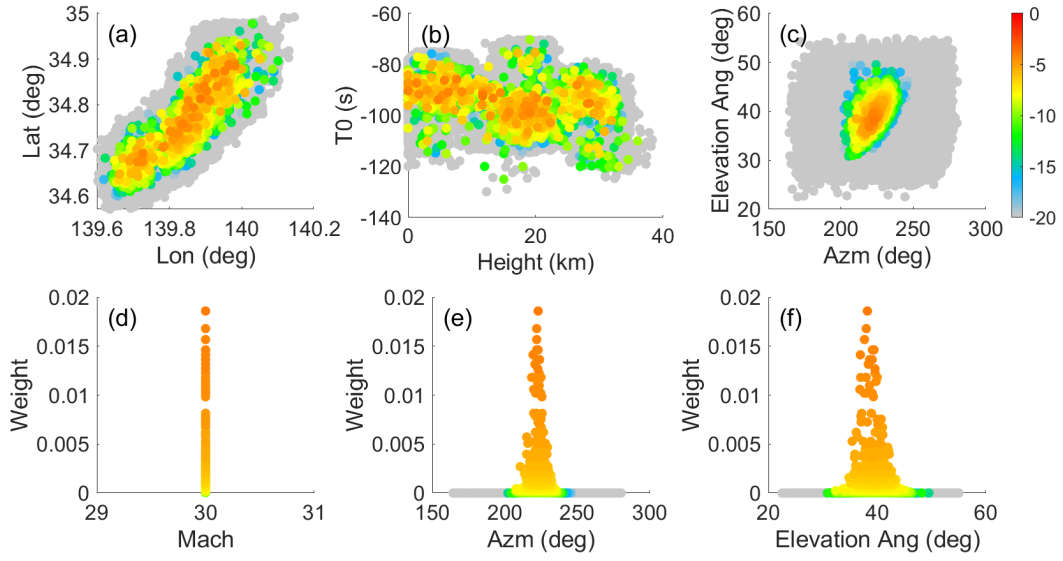


Figure S23. Samples in the parameter space used for of the event No.9.

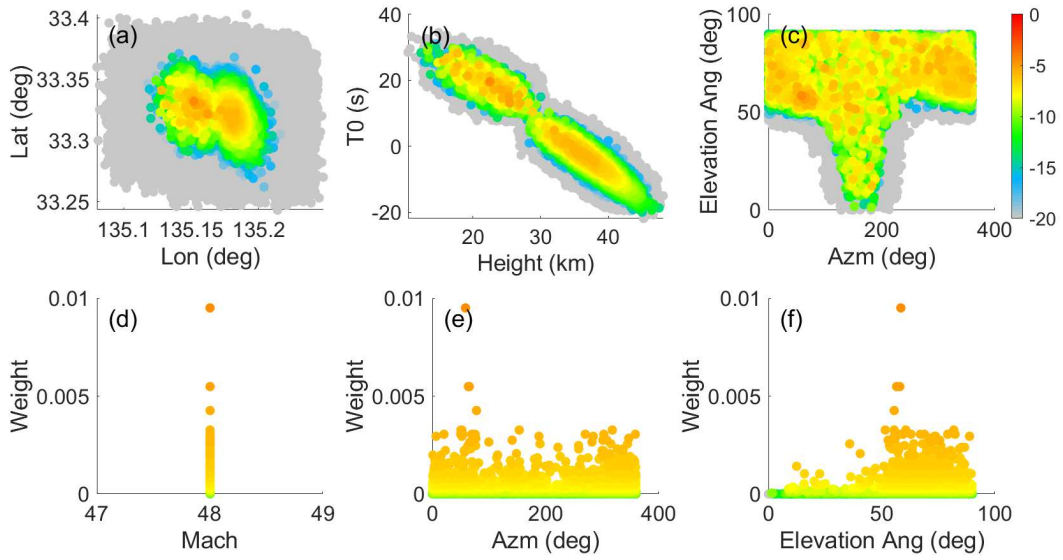


Figure S24. Samples in the parameter space used for of the event No.10.

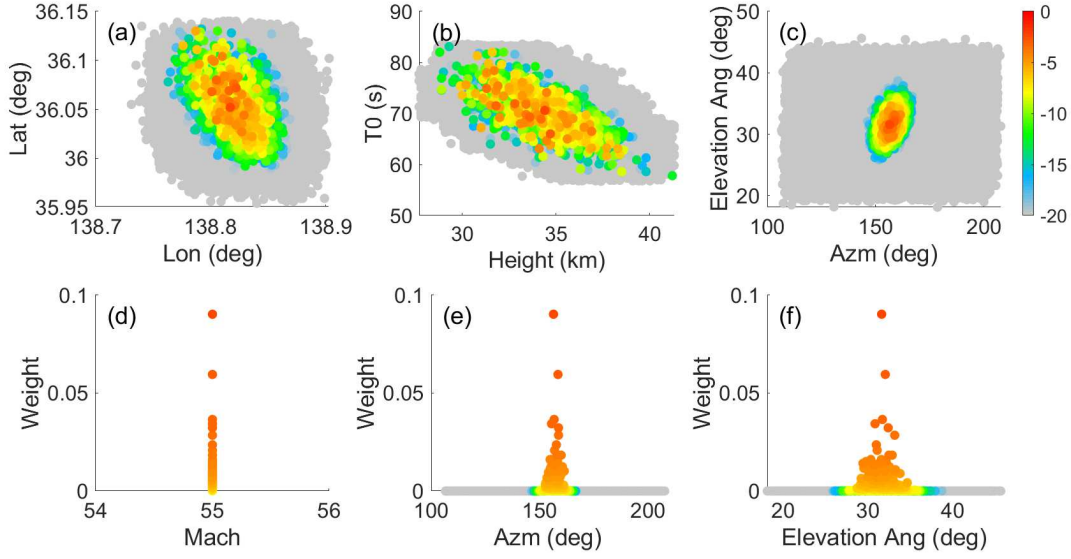


Figure S25. Samples in the parameter space used for of the event No.11.

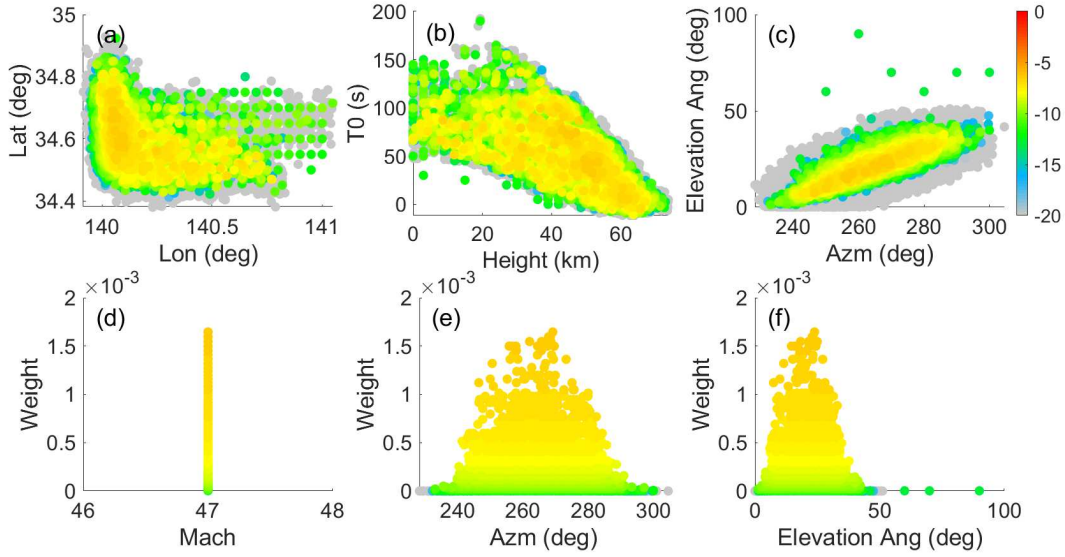


Figure S26. Samples in the parameter space used for of the event No.12.

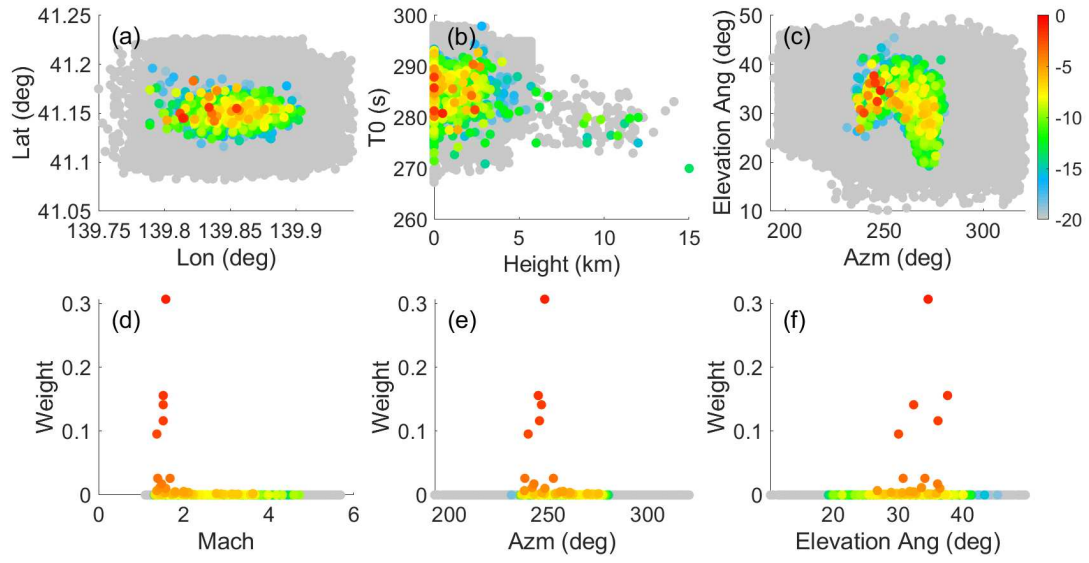


Figure S27. Samples in the parameter space used for of the event No.A1.

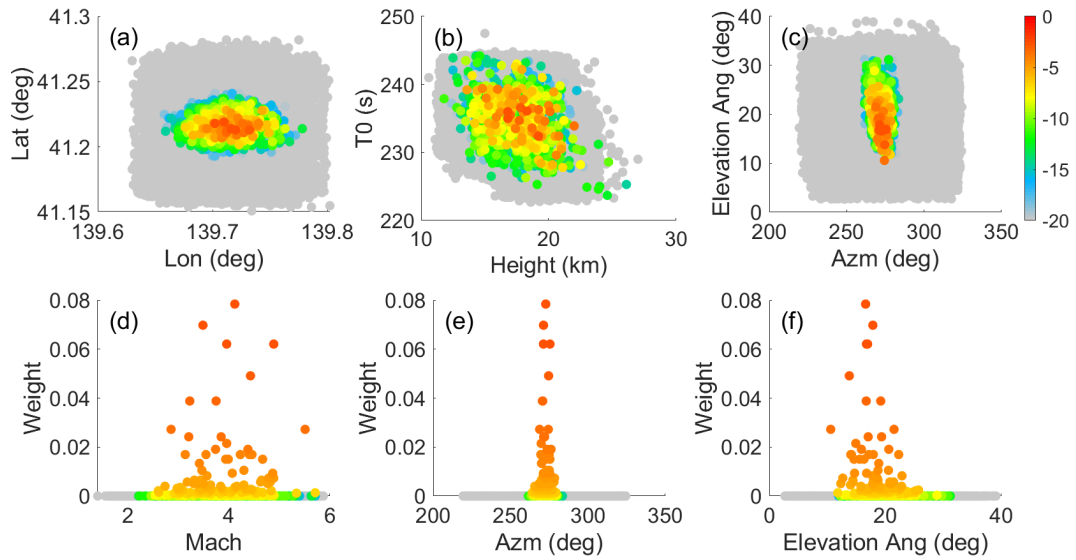


Figure S28. Samples in the parameter space used for of the event No.A2.

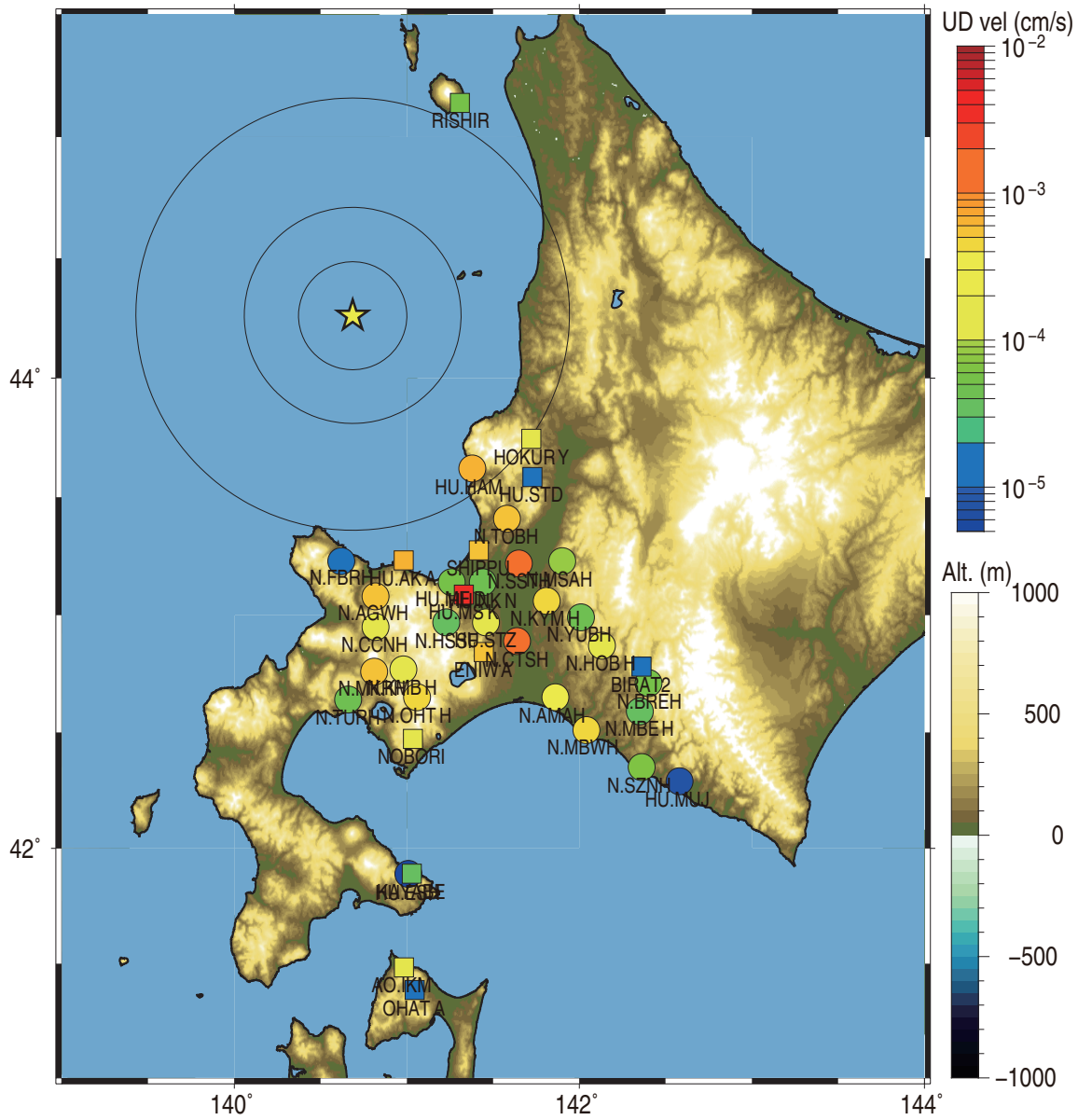


Figure S29. The peak amplitude of the sonic boom for the April 26 event. The UD velocity filtered at 2–8 Hz are used. The background shows the terrain elevation. Square and circle symbols show the station on the surface and borehole, respectively.