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Strong Ground Motions (NIED K-NET, KiK-net)

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Summary

- Relatively large ground motions were observed in Oita, Miyazaki, and Kumamoto Prefectures during the earthquake.
- Maximum PGA was 427.8 cm/s² at KiK-net Hyuga (MYZH15) in Miyazaki Prefecture.
- Maximum PGV was 51.0 cm/s at K-NET Yufuin (OIT009) in Oita Prefecture.
- Maximum velocity response (1–2s) was 175 cm/s at station OIT009.
- EW component ground motion was significant at station OIT009.

Acknowledgements:

We used K-NET and KiK-net strong-motion data provided by the National Research Institute for Earth Science and Disaster Resilience; NIED), Japan <u>https://www.doi.org/10.17598/NIED.0004</u>

Velocity response spectra were calculated using the subroutine program developed by Osaki (1994). Figures were prepared by using the Generic Mapping Tools (GMT: Wessel and Smith, 1998).