# Strong Ground Motions Earthquake in Noto Peninsula, Ishikawa Pref. on June 3, 2024 (Mj6.0, Mw5.8) IISEE, Building Research Institute

This report contains preliminary analysis results.



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## Summary

K-NET station Shoin (ISK002) shows larger PGA and PGV.

Response of pSv >165 cm/s (h = 5%, T=1–2 s) were not observed.

#### Acknowledgments:

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>) We also used strong-motion data from the Japan Meteorological Agency (JMA) seismic intensity stations.

We used hypocenter information, rapidly determined by JMA, and moment magnitude, determined by NIED F-net. Response spectra were calculated using the subroutine program developed by Osaki (1994). Figures were prepared using Generic Mapping Tools (GMT: Wessel and Smith, 1998).



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### Summary

• The response acceleration (Sa) of the ISK002 (Shoin), ISKH03 (Uchiura), and the North-South (NS) components of ISKH01 (Suzu) showed large values in the period of 0.5 s or less.

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• From the Sa-Sd curve assuming a 15% equivalent damping ratio, the Sa-Sd shapes of this earthquake were smaller than past major earthquakes in Japan.

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the National Research Institute for Earth Science and Disaster Resilience; NIED), Japan (<u>https://www.doi.org/10.17598/NIED.0004</u>)

We used strong motion data provided by NIED (K-NET and KiK-net), JMA, and RTRI for past strong motion in Japan.

Sa-T and Sa-Sd were calculated using the View Wave by Kashima, BRI.

Figures were prepared using Generic Mapping Tools (GMT: Wessel and Smith, 1998).