

# and Sources of Cs-137 Detected at International Monitoring System Radionuclide Monitoring Stations in Japan

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We are responsible for data analysis and management of radionuclide monitoring stations as the National Data Centre of Japan. There are two International Monitoring System radionuclide monitoring stations in Japan, at Takasaki for particles and noble gases and at Okinawa for particles. The detection frequency of Cs-137 is relatively high at both stations. In this study, we focus on Cs-137 detection and clarify the characteristics of the season and the pressure pattern of each detection. In addition, back-trajectory analysis using an atmospheric transport model will be conducted to estimate the release source of Cs-137, by comparing with the International Monitoring System data including the surrounding stations.

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## Promotional text

We will clarify the characteristics of the season and the pressure pattern of the Cs-137 detection at IMS stations in Japan, and will perform back-trajectory analysis using an atmospheric transport model to estimate the release source of Cs-137.

## Oral preference format

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