

UK NDC Analysis of IMS Radionuclide Events near to North Korea

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The UK National Data Centre (NDC) has developed a custom radionuclide analysis pipeline that has been integral to the NDC's capability to utilise data from the IMS. A number of novel software tools have been conceived to aid review of IMS events and these have been put to use in a study of the North Korean Region. By considering known emitters of radionuclides and relating these to detections at JPX38 (Takasaki), it has been possible to demonstrate the sensitivity of JPX38 to North Korean underground nuclear tests (UGT), as well as other sources of radioxenon in the region.

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