

Isotope Content Variation in Precipitation at West Korea Region

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Keywords: Tritium, stable isotope, precipitation

Tritium and other stable isotopes in precipitation were analyzed on a monthly based at west part of Korea region. The precipitation of this place was influenced by continental and Yellow Sea atmosphere with seasonal variation, therefore, H-3 and stable isotopoe concentration were varied by season. Precipitation was sampled from March 2018 to August 2020. H-3 concentration was ranged from 1.54 TU to 10.76 TU and stable isotope analysis results showed that $\delta^{18}\text{O}$ ranged from -13.24‰ to -2.64‰ and δD ranged from -95.23‰ to -11.72‰ with seasonal variation. H-3 concentration was high at spring and low at summer.

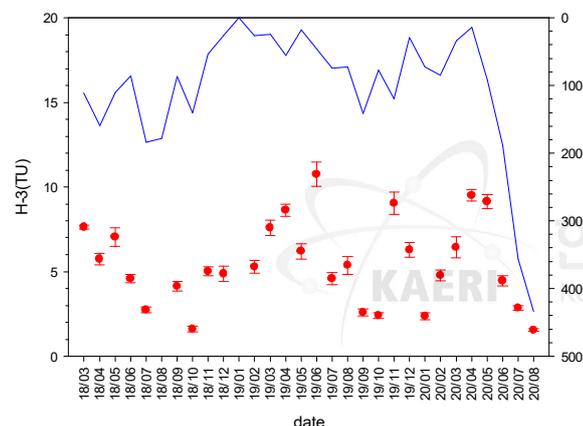


Fig. 1. Tritium variation in precipitation.

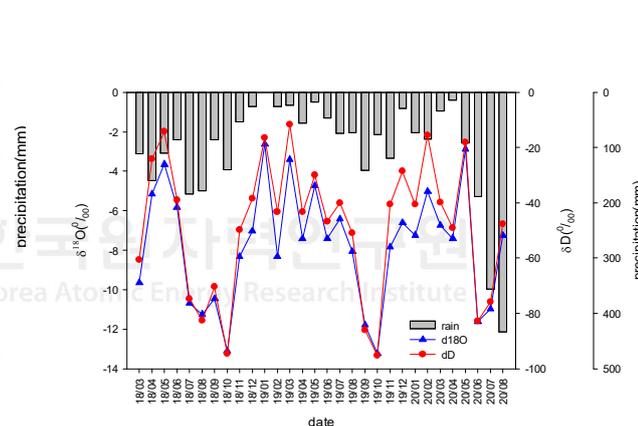


Fig. 2. Stable isotope variation in precipitation.

Acknowledgments

This work was supported by the Basic Research Project (20-3411) of the Korea Institute of Geoscience and Mineral Resources (KIGAM) funded by the Ministry of Science.

