

## Pyroclastic fall simulation using Tephra2 and JRA-55

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We present an example using Tephra2 and Japan Meteorological Agency's 55-year long-term reanalysis data (hereinafter abbreviated as JRA-55) for the pyroclastic fall simulation. The characteristics of JRA - 55 are that there is uniform data throughout Japan and there is no missing data. It is easy to reproduce the eruption that occurred after 1958 using Tephra2 and JRA-55. It is also effective for creating volcanic hazard maps and probability maps.

Keywords: pyroclastic fall simulation , the Japanese 55-year Reanalysis, hazard map, probability map

