Japan Geoscience Union Meeting 2015
(May 24th - 28th at Makuhari, Chiba, Japan)

MIS29-P01 Room:Convention Hall Time:May 24 18:15-19:30

Measurement of surge current associated with lightning activity around Mt. Fuji on August 1, 2014

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We investigate the current induced by the cloud-to-ground lightning through the electric power line at the summit of Mt. Fuji. Comparing with the measurement of atmospheric electric field, lighting location data, optical camera and radar data, comprehensive results were obtained.

Keywords: Surge current, Atmospheric electric field, Mt. Fuji, Lightning

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MIS29-P02 Room:Convention Hall Time:May 24 18:15-19:30

Lightning and atmospheric electric field during thunderstorm with a hailstone around Mitaka, Tokyo on July 24, 2014

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We investigated lightning and atmospheric electric field during thunderstorm with a hailstone around Mitaka, Tokyo on July 24, 2014. From the radar, data, the thunderstorm was localized but very active.

Keywords: Lightning, Atmospheric electric field, Hail

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MIS29-P03 Room:Convention Hall Time:May 24 18:15-19:30

Preliminary report of energetic radiation during 2014-2015 winter thunderstorm.

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We investigate the energetic radiation during 2014-2015 winter thunderstorm in the tip of Noto Peninsula. This is preliminary report of this observation. We detected the short burst of gamma ray with one millisecond duration, although the sufficient electric field variations were not observed. In the presentation, we show the plausible mechanism of the short burst.

Keywords: Energetic radiation, Winter thunderstorm, Lightning