

## Preliminary results of the winter sprite campaign 2000/2001 in Japan

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Observations of transient luminous events called sprites and elves were made at Tohoku University (38.15°N, 140.51°E), Sendai in the nighttime for the periods of December 14-24, 2000 and Gunma University (36.23°N, 139.04°E), Maebashi for the periods of January 16-24, 2001 and January 29-February 3, 2001 to reveal the features of these emissions and their space-time structures. With multi-anode array photometers (MAPs), image intensified CCD cameras, and VLF sferics receiver, we observed 11 sprites and 33 elves above the Pacific Ocean about 600-1000 km southeast of Maebashi. These occurrence regions are found to correspond to cold front. Using NOAA satellite data and MAP data, we will investigate the occurrence conditions and space-time structures of the luminous events.

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