Short burst radiation at the time of lightning observed in Noto peninsula.

- *Akiko Ishikawa¹, Shusaku Takahashi¹, Masashi Kamogawa¹, Gregory Bowers², David Smith², Atsushi Matsuki³
- 1.Department of Physics, Tokyo Gakugei University, 2.University of California, Santa Cruz ,
- 3.Institute of Nature and Environmental Technology, Kanazawa

During our observation period, one short and four long bursts were detected. Short burst with 3-millisecond duration was detected on 31 Dec. 2014. At the same time, cloud-to-ground lightning occurred. Considering the AEF polarity, we identified the occurrence of the positive cloud-to-ground lightning, which produced the short burst.

Keywords: Energetic radiation, Winter Lightning, Thunderstorm