Energetic radiation generated by winter thunderstorm and lightning observed in Uchinada, Japan

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We conducted energetic radiation measurement at Uchinada town, Kanazawa, during the winter thunderstorm. Active winter thunderstorm approaches the sea coast at Uchinada town and a number of cloud-to-ground winter lightning frequently occur. During our campagign observation on 2015-2016, we observed two short burst generated by lightnign stroke and five long burst attributed to electric field inside the thunderstorm . In this presentation, we introduce our results

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