

Simultaneous imaging observations of short-period gravity waves at separated sites

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Simultaneous observation of short-period gravity waves has been carried out using three all-sky cooled-CCD imagers at Shigaraki and Rikubetsu since October 1998. The two sites are separated in a horizontal distance of about 1200 km. For the first one-year observation, simultaneous airglow images at both sites were obtained for 36 days. Comparison of short-period gravity waves at separated sites based on such a long-period observations have not been reported.

In this presentation, we will compare the characteristics of the gravity waves observed at Shigaraki and Rikubetsu simultaneously on the basis of one-year observation from October 1998 to October 1999.