Ed-P002 Room: Poster Time: June 8 17:30-19:30

Comparison of the Wavelike Structure of OI 630nm Airglow Observed at Uchinoura with the map of GPS Total Electron Content

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During the PSMOS campaign, our group observed OI 630nm airglow with an all-sky imager at Uchinoura (31.13N, 131.05E). On the night of January 31- February 1, 1998, we obtained airglow images with a distinct wavelike structure. We analyzed these images and compared them with the map of TEC obtained by the GPS satellites. It was found that a large-scale structure seen in airglow images coincides with the TID structure seen in the TEC maps. The horizontal neutral wind observed at Shigaraki (34.85N, 136.1E) was south-eastward.

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