

Airglow wave structures observed by CRL all-sky imagers at Poker Flat, Alaska - Alaska-project ASI report II

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We developed two all-sky imagers (CRL-ASI), and installed them at Poker Flat, Alaska. We have conducted aurora/airglow observations since October, 2000. Obtained data have been immediately transferred to CRL, Japan using the System for Alaska Middle Atmosphere Observation Data Network (SALMON), and anyone can see the summary data by internet (http://salmon.crl.go.jp/index_e.html).

In this paper, we will show some examples of airglow (Na-D line) wave structures observed by the CRL-ASI in Alaska. Investigation and of these wave structures in high-latitude region is important to understand the dynamics of the upper atmosphere. Because, it is possible that the atmospheric waves in mesopause and lower thermospheric region are influenced by auroral particle precipitations.

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