

## Variability of 1- and 1/2-day period wind oscillations observed with MF radar at Poker Flat, Alaska (Part II)

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MF radar observation at Poker Flat, Alaska, has been operational since Oct. 1998. Short time-scale variability of 1-day period wind oscillations in January-March 1999 showed the wave amplitude enhanced only on 21-23 January at 80 km by a factor of  $>3$  in regards to seasonal mean of 10--20 m/s, when proton flux increase (at  $>30$  MeV) was observed by the GOES-10 spacecraft. The 1/2-day, 1-day, and 2-day components showed similar vertical phase speed  $C_{pz}$  of 0.85--1.2 m/s, which suggests that the disturbances are affected by the same forcing.

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