

# Global Aspects of Alfvén-Wave-Driven Ion Outflow

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Is there a role of Alfvén waves in *controlling* ion outflows? We will address this “old” question via global distribution maps of Alfvén wave Poynting flux at distances of 4-7  $R_E$  (using the Polar satellite) under conditions of quiet and disturbed (storm) geomagnetic field in comparison to published ion outflow maps at lower altitudes (using various satellites). Individual conjunction studies will also be discussed.