

Importance of ambipolar electric field in driving ion loss from Mars- Results from a multi-fluid MHD model with the electron pressure equation included

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Figure S1

Introduction

This supplement information provides a figure to show Plasma properties along the subsolar line for MS, MF, and MFpe models for case 1 in the main article.

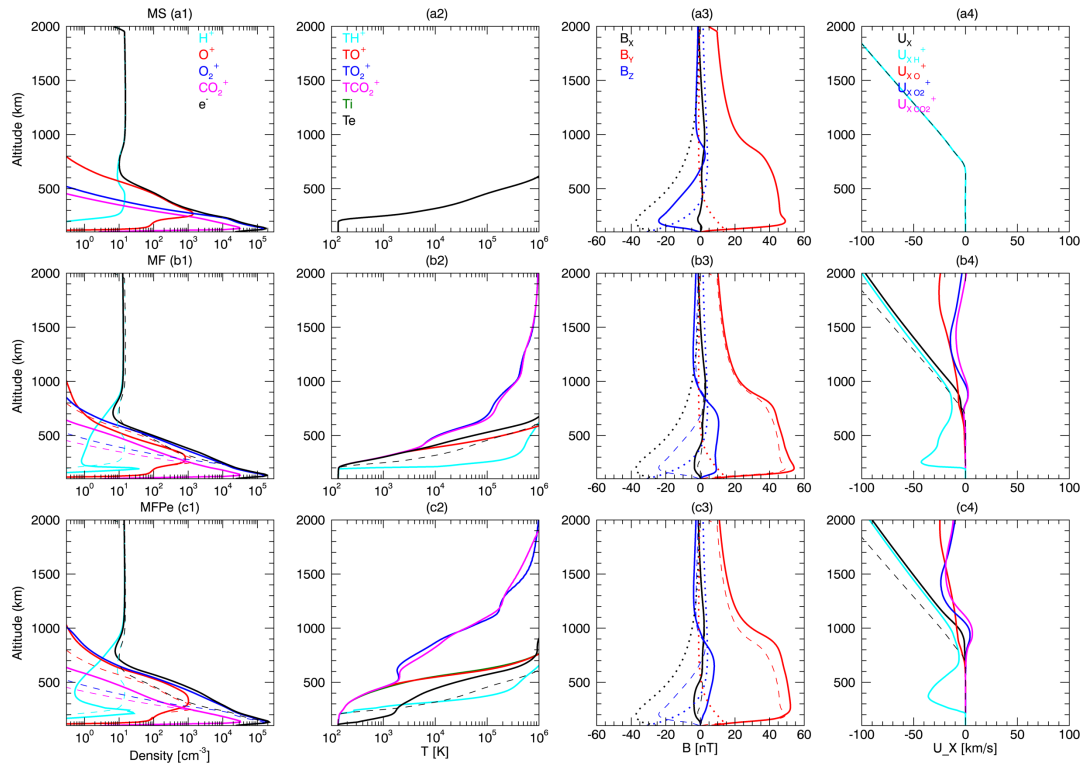


Figure S1. Plasma properties along the subsolar line for MS, MF, and MFpe models for case 1. Results from MS model are also plotted in dashed lines in the middle and lower panels for easy comparison. Panels in the first column show densities of 4 ion species and electrons. Panels in the second column show temperatures of 4 ion species and electrons. The solid lines in panels (a3, b3, c3) show the induced magnetic field, while the dotted lines are the crustal magnetic field. Panels in the fourth column show ion velocity in X direction of the 4 ions.