Simulations of vertical ion-drag effect on neutral winds and density at low and middle latitudes Qingyu Zhu¹ (<u>Qingyu.zhu@mavs.uta.edu</u>), Yue Deng¹, Astrid Maute², Arthur D. Richmond² **EQIT-07**

compared with the impact of horizontal ion-drag force.



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Electric fields:
$$\vec{E} = E_{d1}\vec{d_1} + E_{d2}\vec{d_2}$$