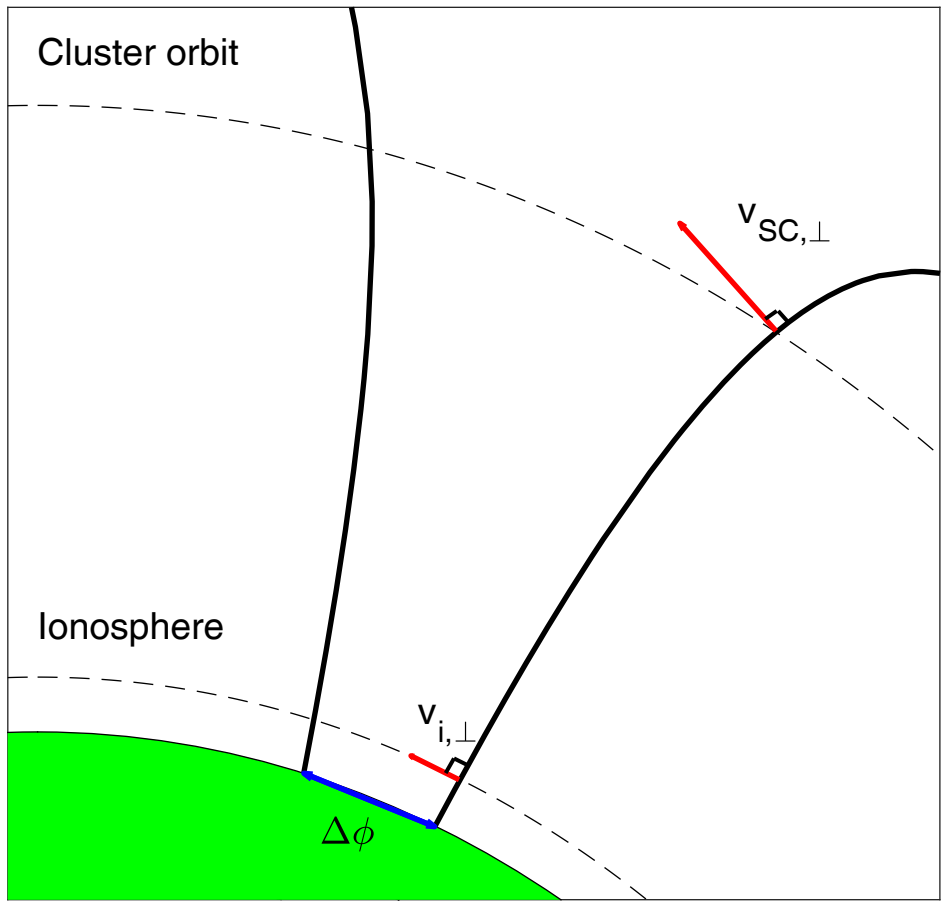


Cluster orbit



$v_{SC,\perp}$

Ionosphere

$v_{i,\perp}$

$\Delta\phi$