

Interactive comment on “Dynamics Geomagnetic Storm on 7–10 September 2015 as Observed by TWINS and Simulated by CIMI” by Joseph D. Perez et al.

Anonymous Referee #1

Received and published: 16 August 2018

The authors revised the equation for the pressure terms. However, the equation seems to be different from the equation given by De Michelis et al. (1997, <http://doi.wiley.com/10.1029/96JA03743>) by a factor of πm . I am curious to know the reason why the equation is different.

The definition of the plasma pressure is changed. Does this change have any impact on the result? I suppose that lower energy protons may have more impact on the pressure.

I recommend removing n from $F(E, n, \cos \alpha)$ because F is an arbitrary function and n is an independent variable.

C1

Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2018-64>, 2018.

C2