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The characteristics of the magnetopause reconnection X-line deduced from low-altitude satellite observations of cusp ions

Article

Supplemental Material

published correction to published version

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Published version at: http://dx.doi.org/10.1029/94GL02696
To link to this article DOI: http://dx.doi.org/10.1029/94GL02696

Publisher: American Geophysical Union

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Correction to "The characteristics of the magnetopause reconnection X-line deduced from low-altitude satellite observations of cusp ions" by Lockwood et al.

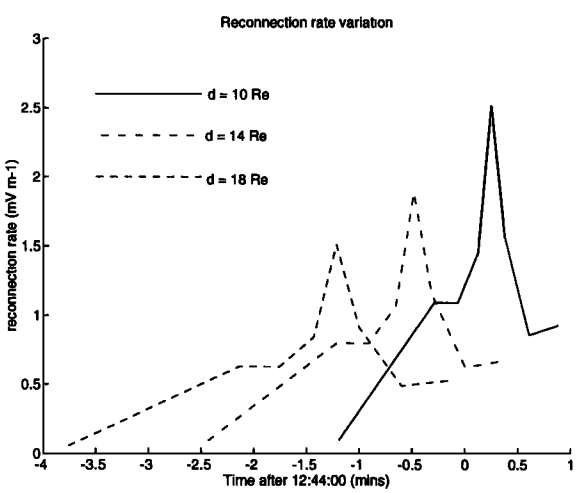
The version of the above paper printed in Vol. 21, No. 24 [*Geophys. Res. Lett. 21*, 2757-2760, 1994] was not the final one and was printed in error. There are two corrections.

(1). The derivation of figure 1 was incorrectly described; however, the figure itself is correct. Equation (1) and the second sentence below it should read:

$$d_n(m/2E)^{1/2} = t_s-(t_o+t_n) = (t_sV_S/V_C)-t_n \qquad (1)$$

A field line opened at a time t_o is observed at a time t_s (in fig. 1 defined as zero at the OCB where $t_s = t_o$) at a distance $V_St_s = V_C(t_s-t_o)$ poleward of the OCB.

(2). The correct version of figure 5 is given below and differs only in the labels for the axes. In the text, the average reconnection rate values quoted 5 lines from the bottom of column 1 on page 2760 should be 1.15, 0.85 and 0.67 mVm^{-1} (for d_l of 10, 14 and 18 R_E, respectively). Note that the corresponding mean and peak ionospheric flow speeds quoted in the subsequent 4 lines are correct.



(Received March 21, 1995)

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Paper number 95GL00910
0094-8534/95/95GL-00910$03.00