

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

Lockwood, M., Onsager, T. G., Davis, C. J., Smith, M. F. and Denig, W. F. (1994) The characteristics of the magnetopause reconnection X-line deduced from low-altitude satellite observations of cusp ions. *Geophysical Research Letters*, 21 (24). pp. 2757-2760. ISSN 0094-8276 doi: <https://doi.org/10.1029/94GL02696> Available at <http://centaur.reading.ac.uk/38811/>

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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.

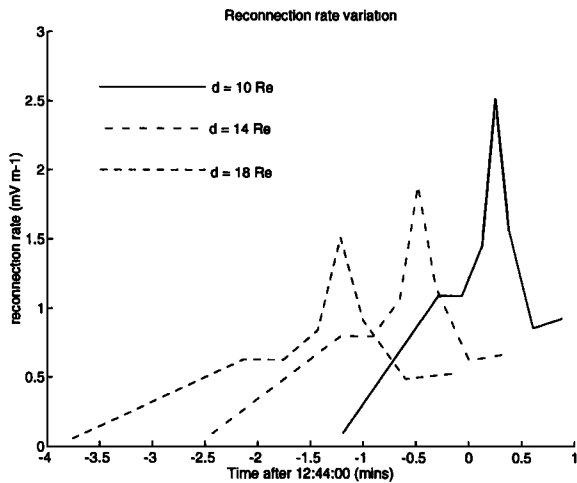
The version of the above paper printed in Vol. 21, No. 24 [*Geophys. Res. Lett.* 21, 2757-2760, 1994] was not the final one and was printed in error. There are two corrections.

(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:

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

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 $V_s t_s = V_C(t_s - t_o)$ 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_i 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