Annales Geophysicae

Erratum

Correction to: Further development in theory/data closure of the photoelectron-driven polar wind and day-night transition of the outflow

S. W. Y. Tam, F. Yasseen, T. Chang

Center for Space Research, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

Received: 9 June 1997 / Revised: 9 January 1998 / Accepted: 24 February 1998

Published in Annales Geophysicae, Volume 16, number 8, on pages 948-968, 1998

The publishers would like to apologize for a typographical error in the definition of a variable in Eq. (13) of the above-mentioned article. The published erroneous version reads

where
$$x \equiv \sqrt{m/(2T_0)}v$$
, $\Delta(s) \equiv \phi(s)I_0$.

The correct definition is:

where
$$x \equiv \sqrt{m/(2T_0)}v$$
, $\Delta(s) \equiv \phi(s)T_0$.

For the reader's clarity we include the entire equation including the corrected definition.

$$n(s) = \frac{n_0}{\sqrt{\pi}} \int_{0}^{\infty} dx \ 2e^{-(x^2 + \Delta + \mathcal{M}_0^2)} \cosh(2\mathcal{M}_0 \sqrt{x^2 + \Delta}).$$

where

$$x \equiv \sqrt{m/(2T_0)}v, \Delta(s) \equiv \phi(s)T_0,$$

and

$$\mathscr{M}_0 \equiv \sqrt{m/(2T_0)}u_0.$$