

Errata

The following corrections are made in “The Mars Phoenix Communications Brownout during Entry into the Martian Atmosphere,” by D. Morabito, R. Kornfeld, K. Bruvold, L. Craig, and K. Edquist, which appeared in vol. 42-179 of *The Interplanetary Network Progress Report*, published on November 15, 2009.

In Section II, on page 5, the formula for attenuation, Equation (9), was incorrectly presented and should read as

$$\text{Att (dB)} = \int_0^{z_p} \frac{54.6}{\lambda} \sqrt{\frac{q^2 \gamma N_e(z)}{\omega^2 \epsilon_0 m_e} - 1} dz \quad (9)$$

where the factor γ appears inside of the square root sign multiplying $N_e(z)$ instead of in front of the integral. The text immediately following Equation (9) was modified.

The values of γ presented in Table 2 (page 15) and Figure 10 (page 16) are correct and consistent with this corrected version of Equation (9) shown above.

The discussion in the applicable passages in the text in Section III.D, starting on page 14, was modified to be made consistent with the γ values presented in Table 2 and Figure 10, as being multiplicative factors of the electron number density $N_e(z)$ in Equation (9) rather than multiplicative factors of the full Equation (9).

For a list of the errata and changes in the text following Equation (9) and in Section III.D, see the next page.

There is an advisory “List of Changes” on the cover page of vol. 42-179 relating to this article.

PAGE/PARAGRAPH	ITEM	WAS REPLACED WITH
Page 5, ¶ 3, lines 1–2, following Equation (9)	inserted in front of the integral line	which multiplies the electron number density
Page 14, ¶ 3, line 12	$\sqrt{10}$ (3.16) and $\sqrt{1/10}$ (0.316)	10 and 0.1
Page 15, ¶ 1, line 8	$(1/\gamma)^2 = 3^2$	$(1/\gamma) \sim 3$
Page 15, ¶ 1, lines 8–9	PHX–ODY ($\sim 0.5^2$) and PHX–MEX links ($\sim 0.22^2$), the latter being the only case lying just below the lower LAURA uncertainty bound for electron number density	PHX–ODY (~ 0.5) and PHX–MEX links (~ 0.22)
Page 15, ¶ 1, line 18–19	(within a factor of 2 for PHX–MRO and PHX–ODY and within a factor of 4 for PHX–MEX)	(within a factor of 2 for all three links)
Page 15, ¶ 3, line 4	$1/4$ ($\gamma \sim 0.47^2$)	$1/2$
Page 16, ¶ 2, line 4	factor-of-4	factor-of-2
Page 16, ¶ 3, line 3	at the limit of	within
Page 17, ¶ 2, line 2	an order of magnitude	a factor of 3
Page 17, ¶ 2, line 12	factor of 4	factor of 2

Note — ¶ = paragraph