

# Correction to “Simulation of the sporadic *E* layer response to prereversal associated evening vertical electric field enhancement near dip equator”

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[1] In the paper “Simulation of the sporadic *E* layer response to prereversal associated evening vertical electric field enhancement near dip equator” by A. J. Carrasco, I. S. Batista, and M. A. Abdu (*Journal of Geophysical Research*, *112*, A06324, doi:10.1029/2006JA012143, 2007), Table 1 had several misprints. The correct table appears below.

**Table 1.** Chemical Reactions for Molecular Ion Species Used in the Model

Reaction	Value
<i>Production Rate, cm<sup>-3</sup> s<sup>-1</sup></i>	
$O_2 + hv \rightarrow O_2^+ + e$	$q_{O_2^+}$
$N_2 + hv \rightarrow N_2^+ + e$	$q_{N_2^+}$
$NO + hv \rightarrow NO^+ + e$	$q_{NO^+}$
$O + hv \rightarrow O^+ + e$	$q_{O^+}$
<i>Rate Coefficient, cm<sup>3</sup> s<sup>-1</sup></i>	
$O^+ + O_2 \rightarrow O_2^+ + O$	$k_1 = 4.0 \times 10^{-11}$
$O^+ + N_2 \rightarrow NO^+ + N$	$k_2 = 1.3 \times 10^{-12}$
$N_2^+ + O \rightarrow NO^+ + N$	$k_3 = 2.5 \times 10^{-10}$
$N_2^+ + O_2 \rightarrow O_2^+ + N_2$	$k_4 = 1.0 \times 10^{-10}$
$O_2^+ + NO \rightarrow NO^+ + O_2$	$k_5 = 8.0 \times 10^{-10}$
$NO^+ + e \rightarrow N + O$	$\alpha_{NO^+} = 4.7 \times 10^{-7}(300/Te)$
$O_2^+ + e \rightarrow O + O$	$\alpha_{O_2^+} = 2.2 \times 10^{-7}(300/Te)^{0.7}$