Title
Wave breaking along the stratospheric polar vortex as seen in ERA-40 data (vol 34, art no 08812, 2007)

Permalink
https://escholarship.org/uc/item/5ct2z6w1

Journal
GEOPHYSICAL RESEARCH LETTERS, 34(11)

ISSN
0094-8276

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Publication Date
2007-06-02

DOI
10.1029/2007GL030608

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Peer reviewed
Correction to “Wave breaking along the stratospheric polar vortex as seen in ERA-40 data”

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Received 2 May 2007; published 2 June 2007.


[1] In the paper “Wave breaking along the stratospheric polar vortex as seen in ERA-40 data” by John T. Abatzoglou and Gudrun Magnusdottir (Geophysical Research Letters, 34, L08812, doi:10.1029/2007GL029509, 2007), there were three textual errors.

[2] From the abstract, the last sentence should read as follows, “Frequent wave breaking in the lower stratosphere in early winter appears to both shield the upper portion of the vortex from wave disturbances and reduce the net upward wave activity flux from the troposphere, thereby allowing the vortex to strengthen into mid-winter.”

[3] The caption for Figure 3 should read as follows, “Figure 3. Composite zonal-mean zonal velocity $\overline{u}$ averaged over early winters (1 Nov–31 Dec.) with (a) multiple lower breaking events, and (c) multiple upper breaking events. The composite $\overline{u}$ averaged over mid-winters (21 Dec–10 Feb.) following early winters with (b) multiple lower and (d) multiple upper breaking events. Shading shows $\overline{u}$ values, the dotted contour indicates the zero wind line, and positive (negative) anomalies are shown by solid (dashed) contours with a contour interval of 3 ms$^{-1}$.”

[4] The caption for Figure 4 should read as follows, “Difference between the composite EP flux (averaged over 1 Nov.–31 Dec.) for early winters with multiple lower breaking events, and multiple upper breaking events (EP$_{\text{lower}}$–EP$_{\text{upper}}$). Maximum vector shown is of magnitude $1.2 \times 10^5$ kg s$^{-2}$. The EP vectors are scaled by multiplying the horizontal component by 85.”