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Title

The atmospheric response to positive IPV, positive AMV, and their combination in boreal winter (vol 32, pg 4193, 2019)

Permalink

<https://escholarship.org/uc/item/3md8d3ns>

Journal

JOURNAL OF CLIMATE, 34(19)

ISSN

0894-8755

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Publication Date

2021

DOI

10.1175/JCLI-D-21-0299.1

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Peer reviewed

CORRIGENDUM

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(Manuscript received 17 May 2021, in final form 13 July 2021)

In Table 2 of [Elsbury et al. \(2019\)](#), titled “The atmospheric response to positive IPV, positive AMV, and their combination in boreal winter,” the number and frequency of sudden stratospheric warmings (SSWs) for various background interdecadal Pacific variability (IPV) and Atlantic multidecadal variability (AMV) states are incorrect. The reproduction of the [Charlton and Polvani \(2007, 2011\)](#) SSW algorithm used includes final warmings, which increases the SSW occurrences. Following correction, the number of SSWs decreases across all simulations. These results are printed in Table 2 below. The climatological frequency is 0.52 events per season in our control, lower than the frequency detected in reanalysis, but consistent with the frequency retrieved by [Marsh et al. \(2013\)](#), who also use WACCM4. With the correction, the percent increase in SSWs relative to control remains very similar, equaling 15% for +AMV, 26% for +IPV, and 33% for +AIV (+AMV and +IPV together). These figures appear correctly in the table. In general, these errors do not change any of the major findings of the manuscript. We apologize for the confusion the suspiciously high SSW results may have caused.

TABLE 2. Number and frequency of stratospheric sudden warmings in events per extended winter season. Both number of events and frequency are calculated using daily data (November–March) over the entire 200-yr period.

Forcing field	Number of SSWs	Events per season
Control	103	0.52
+IPV	130	0.65
+AMV	118	0.59
+AIV	137	0.69

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DOI: 10.1175/JCLI-D-21-0299.1

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