



# Corrigendum: Strengthened Impacts of November Snow Cover Over Siberia on the Out-of-phase Change in the Siberian High Between December and January Since 2000 and Implication for Intraseasonal Climate Prediction

Hongqing Yang and Ke Fan\*

School of Atmospheric Sciences, Sun Yat-sen University, and Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), Zhuhai, China

**Keywords:** November snow cover over Siberia, phase reversal, Siberian high, troposphere-stratosphere interaction, intraseasonal climate prediction

## A Corrigendum on

### Strengthened Impacts of November Snow Cover Over Siberia on the Out-of-phase Change in the Siberian High Between December and January Since 2000 and Implication for Intraseasonal Climate Prediction

by Yang H and Fan K (2021). *Front. Earth Sci.* 9:748484. doi: 10.3389/feart.2021.748484

## OPEN ACCESS

### Edited and reviewed by:

Renguang Wu,  
Zhejiang University, China

### \*Correspondence:

Ke Fan  
fanke@mail.iap.ac.cn

### Specialty section:

This article was submitted to  
Atmospheric Science,  
a section of the journal  
*Frontiers in Earth Science*

**Received:** 05 October 2021

**Accepted:** 07 October 2021

**Published:** 08 November 2021

### Citation:

Yang H and Fan K (2021)  
Corrigendum: Strengthened Impacts  
of November Snow Cover Over Siberia  
on the Out-of-phase Change in the  
Siberian High Between December and  
January Since 2000 and Implication for  
Intraseasonal Climate Prediction.  
*Front. Earth Sci.* 9:789543.  
doi: 10.3389/feart.2021.789543

In the original article, there were multiple text errors.

The heading “Reversal Response of November Snow Covers over the Urals to the December and January Siberian High” should be “Reversal Response of November Snow Cover over the Siberia to the December and January Siberian High”. This has been corrected in the **Introduction**, paragraph 8 and in the **Results** section, for the name of the heading itself.

In **Data and Methods, Methods**, paragraph 1, “SSD and SH in January and February” should be corrected to “SD and December and January SH”.

In **Data and Methods, Data**, paragraph 2, the abbreviation “(SSD)” should have been deleted.

In **Results, Month-To-Month Variability of the Siberian High and Their Impact on Eurasian Climate**, paragraph 1, “during the past 37 years” should be corrected to “during the past 39 years”.

In **Results, Month-To-Month Variability of the Siberian High and Their Impact on Eurasian Climate**, paragraph 2, “January and February” should be corrected to “December and January”; and “1980/81-2000” and “1980/81-1999/2000” should be corrected to “1980/81-1999/2000”.

In **Results, Reversal Response of November Snow Cover over the Siberia to the December and January Siberian High, Features and Importance of November Snow Cover Over the Siberia**, paragraph 4, “during 1980/81-1999/2000” should have been deleted.

In **Results, Reversal Response of November Snow Cover over the Siberia to the December and January Siberian High, December Siberian High**, paragraph 2, “adiabatic heating and adiabatic heating” should be corrected to “adiabatic heating and diabatic heating”.

In **Results, Reversal Response of November Snow Cover over the Siberia to the December and January Siberian High, January Siberian High**, paragraph 3, “SSD minus” should be corrected to “SCE minus”.

In **Results, Reversal Response of November Snow Cover over the Siberia to the December and January Siberian High, Validation by Model Simulation**, paragraph 1, “October” should be corrected to “November”.

In **Results, Reversal Response of November Snow Cover over the Siberia to the December and January Siberian High, Validation by Model Simulation**, paragraph 2, “BCC-CESM2” should be corrected to “BCC-CSM2”.

In **Results, Connection Between Autumn Arctic Sea-Ice Concentration and a Coherent December and January Siberian High**, paragraph 2, “January and February” should be corrected to “December and January”.

In **Results, Intraseasonal Prediction of the Siberian High in December and January Based on Siberian Snow Depth and Arctic Sea-Ice Concentration**, paragraph 1, “January and February” should be corrected to “December and January”; and “January and February is after 2000” should be corrected to “December and January is 16% after 2000”.

In **Conclusion and Discussion**, paragraph 5, “January and February” should be corrected to “December and January”.

In the caption of **Table 2**, the caption should be corrected to “The SH reversal years in December and January and the SSD anomalous years in preceding November during 2000/01–2018/19”.

In the caption of **Figure 4**, the “(C, D) 0–10 cm” should be “(C, D) 10–200 cm”.

**TABLE 1** | Temporal correlation coefficient (TCC) and reversal frequency of the Siberian high intensity index between December and January.

Period	TCC	Reversal frequency
1980/81–2018/19	–0.07	46% (18/39)
1980/81–1999/2000	0.39*	30% (6/20)
2000/01–2018/19	–0.30	63% (12/19)

In the caption of **Figure 6**, the “(A, B) November” should be “(A, B) December”; and “(C, D) December” should be “(C, D) January”.

In the caption of **Figure 9** “[BLSIC, (50°–65°N, 65°–90°E), (63°–73°N, 90°–120°E)]” should be “[BLSIC, (75°–85°N, 30°–140°E)]”.

In the caption of **Figure 10**, “during 1980/81–1999/2000” should be “during 1980/81–2018/19”.

In addition, in **Table 1**, “44% (17/39)” should be “46% (18/39)”. The corrected **Table 1** appears below.

The authors apologize for these errors and state that they do not change the scientific conclusions of the article in any way. The original article has been updated.

**Publisher’s Note:** All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors, and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

*Copyright © 2021 Yang and Fan. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.*