

Comments to the Author:

Dear authors,

before your paper can be published in ACP I would like to ask you to consider the following technical corrections listed below:

L11: skip "the" so that it reads "....for stratospheric ozone".

A: Corrected.

L13: add "the" so that it reads "....on the ozone distribution".

A: Corrected.

L23: "practically" --> please rephrase.

A: Corrected.

L23: include "data sets" so that it reads "different reanalysis data sets".

A: Corrected.

L25: add "the" so that it reads "...to the Aleutian high".

A: Corrected.

L27: add "hemisphere" so that it reads "...northern hemisphere middle stratosphere". I guess you refer here to the northern hemisphere.

A: Corrected.

L28: Add "of meridional winds" so that it reads "Trends of meridional wind are....".

A: Corrected.

L30: "They"? Who? The meridional winds? Please state that clearly and don't write just "They".

A: Trends of meridional wind. Now in the text.

L59: add "the" so that it reads "in the polar region....".

A: Corrected.

L83: Skip "shall".

A: Corrected.

L86: write "in this paper" instead of "in the paper".

A: Corrected.

L99: skip "the" so that it reads "in stratospheric dynamics".

A: Corrected.

L135: remove obsolete space between Interim and the bracket.

A: Corrected.

L155: add "from" so that it reads "from each other".

A: Corrected.

L170: skip "again".

A: Corrected.

L208: skip "here".

A: Corrected.

L211: add "a" so that it reads "shows a climatology".

A: Corrected.

L218: Which dynamical reasons. Please clarify or give some examples.

A: mass conservation principle, hydrostatic law equation.

L234: skip "here".

A: Corrected.

L238: skip "the" so that it reads "change of trends".

A: Corrected.

L254: it should read "dynamical" and instead of situations it should read "processes".

A: Corrected.

L270: mixture of singular and plural. It should read either "a slightly stronger trend" or "slightly stronger trends".

A: Corrected.

L272: space between "and" and the coordinates is missing.

A: Corrected.

L290: "biggest" should read "largest".

A: Corrected.

L312: skip "the" so that it reads "result in wave propagation".

A: Corrected.

L328-329: This sentence should be rephrased. It could read e.g. "In future studies, processes of the lower and higher levels of the atmosphere have to be analysed to find the main driver of these changes." Further, it should be stated clearly which changes and which altitudes (below xx hPa and above xx hPa).

A: Corrected.

L351: add "as a" so that it reads "than as a cause".

A: Corrected.

L362: What is meant with all years trend? Do you mean all seasons during one year or a time period consisting of several years?

A: Trend which include all seasons. Now in the text.

L392: "higher" should read "high".

A: Corrected.

L406: "don" should read "on".

A: Corrected.

Please note: As I remember colours in tables cannot be used in the published articles in ACP. You need to change or tables and captions accordingly. Please contact in that matter the ACP Copy-editing staff.

Best regards, Farahnaz Khosrawi