

REVISION LI ET AL.

GENERAL COMMENTS

After the second revision, the authors followed the suggestions made by reviewers and eliminated the model simulation previously included. The new manuscript focuses on the observational dataset and the trends derived from it.

This new manuscript is well written and the methods and results are presented in a clear manner. I recommend this paper for publication after minor revisions.

SPECIFIC COMMENTS

Line 90. Suggest changing the second part of this statement to: "..., including regions without ground measurements."

Line 146-150. If the term "whole NH" will be used, it is better to change the name of ROW to RNH "Rest of Northern Hemisphere" and make sure data from the Southern Hemisphere is not included. The way it is written right now gives the impression that some data in ROW corresponds to the Southern Hemisphere, and thus, combining the four regions into one does not make sense.

Line 154. Change "must" for "does".

Lines 194-201. These lines should be moved to the methods section (2.1).

Line 238. Specify what you mean by "low" (maybe add a cut-off number).

Section 3.3. Add information regarding other halogens like Bromine.

Line 285. Define "large". Provide a value for this difference.

Line 388. Since some values are negative, "growth rates" should be changed for "annual rates of change in atmospheric abundances of".