

Dear Topical editor, Referee\_1 and Referee\_2

Thank you very much for your valuable comments

This is the Author's point-by-point response to the reviews including relevant changes:

- 1- Regarding to the minor correction: L22, In Abstract, change "at both hemispheres" to "in both hemispheres". We made the required correction. In addition, all similar cases [at NH, at SH and at both hemispheres] along the manuscript are corrected to be [in NH, in SH and in both hemispheres].