

We want to thank the Editor for reading our last version of the manuscript and noting some mistakes which we have corrected. We now upload the finalized version of our manuscript and supplementary material.

Comments to the author:

Thank you for your new revised paper, which accurately takes into account the last points raised by the referees. I would like to mention the following two points I have noticed:

- The black contours in Fig.1 of the supplementary material and Fig.6 of the paper are not exactly the same while the caption says it is the same. I wonder if in Fig6 one of the contour is zero while in Fig.1 the zero contour is omitted. Also it seems that in Fig.1 not all the contours are shown (also compared to Fig.6).

REPLY: You are right. The stream function contours shown in Fig.1 of the supplementary material are only ± 500 , ± 1000 , and $\pm 1500 \text{ m}^2 \text{s}^{-2}$ and not every $100 \text{ m}^2 \text{s}^{-2}$ as stated in the label. We decided to plot the same contours in Fig.5 and 6 of the manuscript to reduce the contours density in these figures and changed the labels accordingly. Thank you for spotting this mistake.

- Line 324: I think the word "TRANSIENT" is missing in the new sentence: "As anticipated in Section 3, in our comparison we focus only on transient LWA associated with RWPs, since the benefit of a higher resolution are less evident in the TRANSIENT LWA distribution of the multimodel mean (compare Fig. 2 (c) and (d))"

REPLY: true, we have added it.