

Response to the Editor

Dear Dr Dimoune,

Thanks for the careful revision of your manuscript. There are now only some technical details to correct, as indicated by the reviewer.

Your sincerely,

Anne Marie Treguier

Answer:

Thank you Dr. Anne Marie Treguier for your evaluation of this paper. Thank you also to the reviewer 2 for his review and comments. We have considered all the new comments and have made the corrections accordingly.

Regards,

Dr. Minto Dimoune

Response to reviewer 2

Dear all,

I only have a few minor/technical comments, then the paper is ready for publication in my opinion. I used the track changes version for the line numbers.

Answer: Thank you again for your review which has greatly helped to clear up misunderstandings and improve this paper. We are grateful.

We have considered all your minor/technical comments.

Details:

Line 42: Is the Atlantic Zonal Mode (AZM) meant here?

Answer: Thank you for your comment. We did not formulate well what we wanted to say. We wanted to say both the meridional and zonal modes. To make ourselves more understandable, we have reformulated the last two sentences as follows: “At 32°W, the interannual variability of the North Equatorial Countercurrent and of the northern branch of the South Equatorial Current (in terms of both strength and/or latitudinal shift) are associated to the Atlantic Meridional Mode whereas the Equatorial Surface Current intensity is associated to both the Atlantic Meridional and Zonal Mode phases.”. (Lines 38-42)

Line 121: remove "us"

Answer: Thank you so much for the remark. We have removed it. (See line 117 in the revised manuscript)

Line 182: add "time period" before the numbers

Answer: Thank you for your comment. It has been considered. (See lines 164-165 in the revised manuscript)

Line 186: add "all" However, in all

Answer: Thank you for your comment. It has been considered. (See line 169 in the revised manuscript)

Line 187: compared to "direct velocity" observations

Answer: Thank you for your comment. It has been considered. (See line 170 in the revised manuscript)

Line 191: Substitute "The" with "Similar"

Answer: Thank you for your comment. It has been considered. (See line 174 in the revised manuscript)

Line 286: Substitute in with "to"

Answer: Thank you for your comment. It has been considered. (See line 265 in the revised manuscript)

Line 408: tends ->tend

Answer: Thank you for your correction. It has been considered. (See line 388 in the revised manuscript)

Line 457: add "the" before ESC

Answer: Thank you for your comment. It has been considered. (See line 435 in the revised manuscript)

Line 523: remove "the" before light

Answer: Thank you for your correction. It has been removed. (See line 498 in the revised manuscript)

Line 547: remove closing brackets

Answer: Thank you for your comment. We have removed it. (See line 522 in the revised manuscript)

Line 553: varie --> vary

Answer: Thank you for your correction. It has been considered. (See line 527 in the revised manuscript)

Line 559: change value to velocity

Answer: Thank you for your correction. It has been considered. (See line 533 in the revised manuscript)

Line 583: Correlations --> Correlation

Answer: Thank you for your correction. It has been considered. (See line 555 in the revised manuscript)

Line 633: close --> closing

Answer: Thank you for your correction. It has been considered. (See line 603 in the revised manuscript)

Line 638: maybe better to say "Also suggest"; confirm would be if you really have surface observations, here it is suggested as it looks like the are probably extended towards the surface

Answer: Yes, you are right. We have replaced “confirm” by “also suggest” (See line 609 in the revised manuscript). Thank you for your suggestion.

Line 686: amplitudes --> intensities

More --> Several

Answer: Thank you for your corrections. They have been considered. (See line 650 in the revised manuscript)