**Interactive comment on** “On developing a new ionospheric plasma index for the Brazilian equatorial F region irregularities” by Laysa Cristina Araujo Resende et al.

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Dear Dr. Resende et al.

Based on the comments from reviewer #2, please, try to fix the minor points, e.g., the meaning of AV1 and AV2, etc.

I agree with the reviewer #2 that the solar cycle must be included elsewhere in your modelling. If the PRE depends on the solar cycle, the occurrence of EPB must depend on solar activity as well, does not it?

The other points, you have explained in AC1 document.

C1
Best regards,

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