

# ***Interactive comment on “Evidence of vertical coupling: Meteorological storm Fabienne on 23 September 2018 and its related effects observed up to the ionosphere” by Petra Koucká Knížová et al.***

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The authors thank to reviewer for her/his constructive comments that helps to improve quality of the paper. We agree with the reviewer that implementation of all her/his suggestion help the readability of the paper.

General comments: 1. As suggested by the reviewer, we have implemented brief information about influence of meteorological systems on formation and behavior of sporadic E and included suggested references. 2. Corrected. The time of the front

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passage is explained in detail. 3. Meteorological interpretation is added into the text. 4. Larger discussion is added into the text according suggestion. Course of critical frequency  $f_{OE}$  is added into figure 10. 5. Corrected. Sentence added to make clear when the variability is described. 6. Discussion of observation on frequencies frequency 3.59 MHz and 4.65 MHz is added. 7. We try to provide insight into the situation. For that the discussion is enlarged. However, splitting these two effects is not possible since all our observation provides resulting variability.

Comments to figures: Fig. 3, Fig.6. and Fig.7, Fig.8, Fig. 14 – corrected according to suggestion.

Fig.6 and Fig.7. – corrected and reorganized. Minor comments: corrected according to suggestions.

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