

The article **Spatial and seasonal effects on the delayed ionospheric response to solar EUV changes** presents a study that examines the relationship between solar EUV irradiance and F-region ionospheric density. This study builds off of previous work, confirming previous results using higher resolution calculations. It also examines seasonal and latitude variations for a small region of the globe. Both the validation efforts and the study into local European variations are of interest to the scientific community. The presentation and language are greatly improved, with a few typos and awkward sentences present. The previous errors in the physical reasoning have also been corrected. The length of the paper is adequate. Referencing is appropriate. I believe this study contributes positively to the scientific community as is, though some minor changes would improve legibility.

1 Title and abstract

The title is clear and appropriate. The abstract is of an appropriate length and clearly summarises the scope and findings of the article.

2 Figures and tables

The figures and tables are clear, well labelled, and all necessary to support the article's text.

3 Grammar and organisation

1. (Line 45) "...analysis uses GNSS and ionosonde..."
2. (Line 52) "...TEC maps with good..."
3. (Line 60) "...EUV spectrum have been continuously..."
4. (Line 73) "...global coverage from 1998 onwards at the required..."
5. (Lines 86-87) "A complementary analysis of the southern hemisphere would preferentially use the South African region due to similarities in geographic longitude, but data gaps prevented a reliable estimation of the delay for the available stations."
6. (Line 89) "...used for the southern hemisphere analysis."
7. (Lines 91-92) "...These similarities make the selected stations appropriate for a comparison between the northern and southern hemispheres."
8. (Line 271) "...11-year solar cycle, or at least..."
9. (Line 289) "...Rishbeth et al., 2000), should also..."