

Supplementary material of

“A Six-Year (2014-2020) Statistical Correlation Study of VLF Terminator Time Shift with Earthquakes in Japan”

In the following, 41 tabular heat maps of the cross-correlation between the VLF parameters' statistical anomalies of each for the subionospheric propagation paths not presented in detail (as in Figure 14) in the manuscript and the daily seismicity (M_{eff}) are provided.

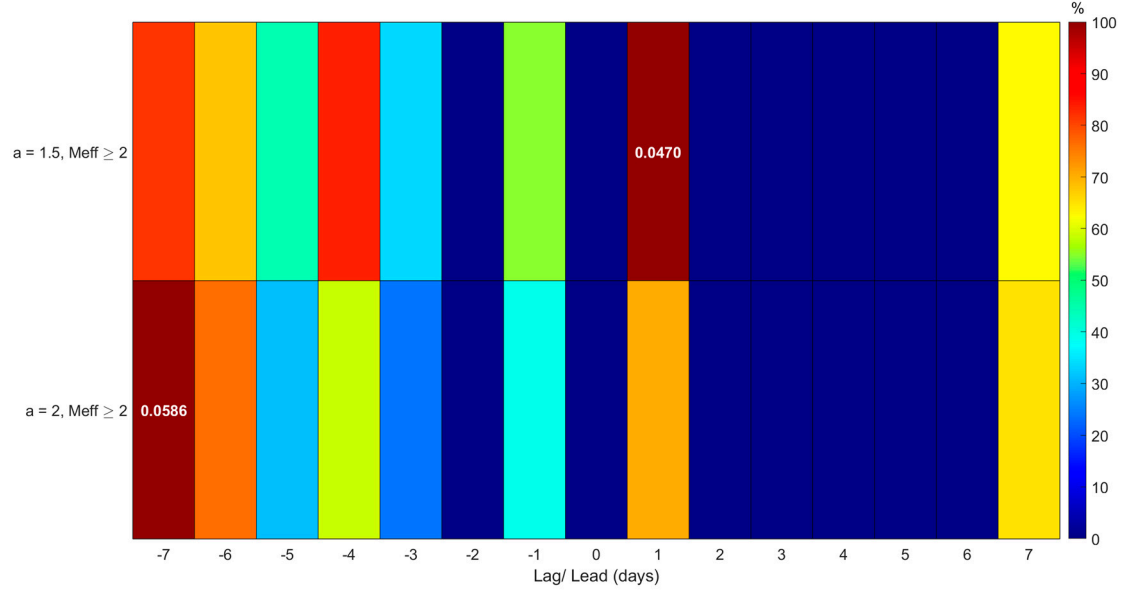


Figure S1. Tabular heat map of the cross-correlation between the morning TT of the JJI-ANA path and the daily seismicity (M_{eff}). Each (a, M_{thres}) combination (vertical axis) is presented in a different row, whereas the horizontal axis (columns) portrays the lag / lead days. The maximum cross-correlations values obtained are shown with dark red color together with a label stating the value. The rest cross-correlation values of the same row appear color-coded as a percentage of the row's maximum value. For some (a, M_{thres}) combinations the total number days of non-zero M_{eff} values were below 15 (see Section 3) and for this reason they were not included.

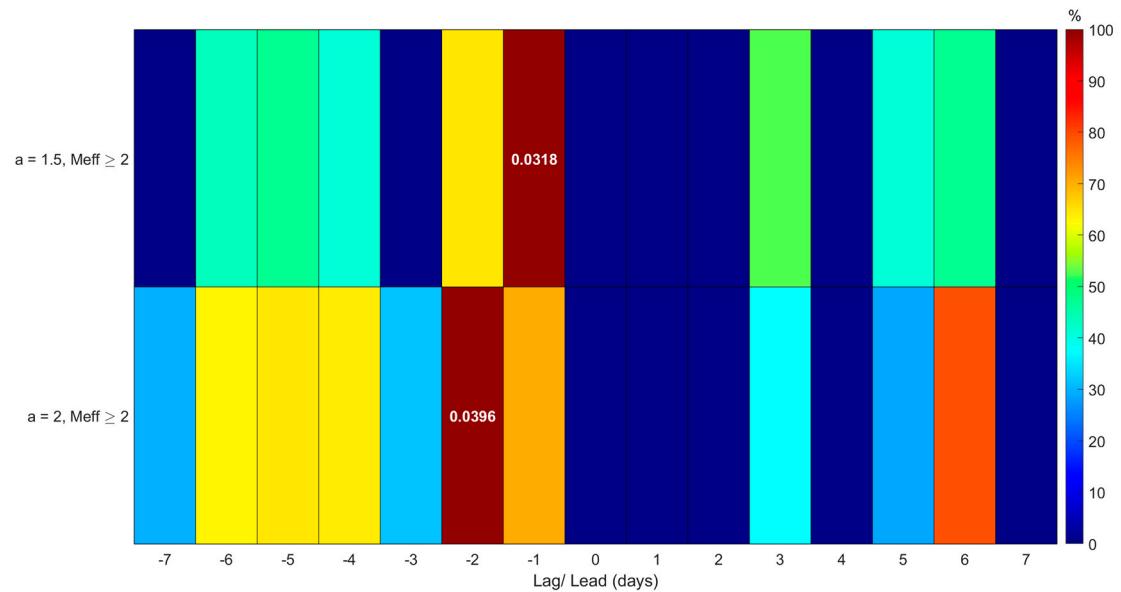


Figure S2. Tabular heat map of the cross-correlation between the evening TT of the JJI-ANA path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

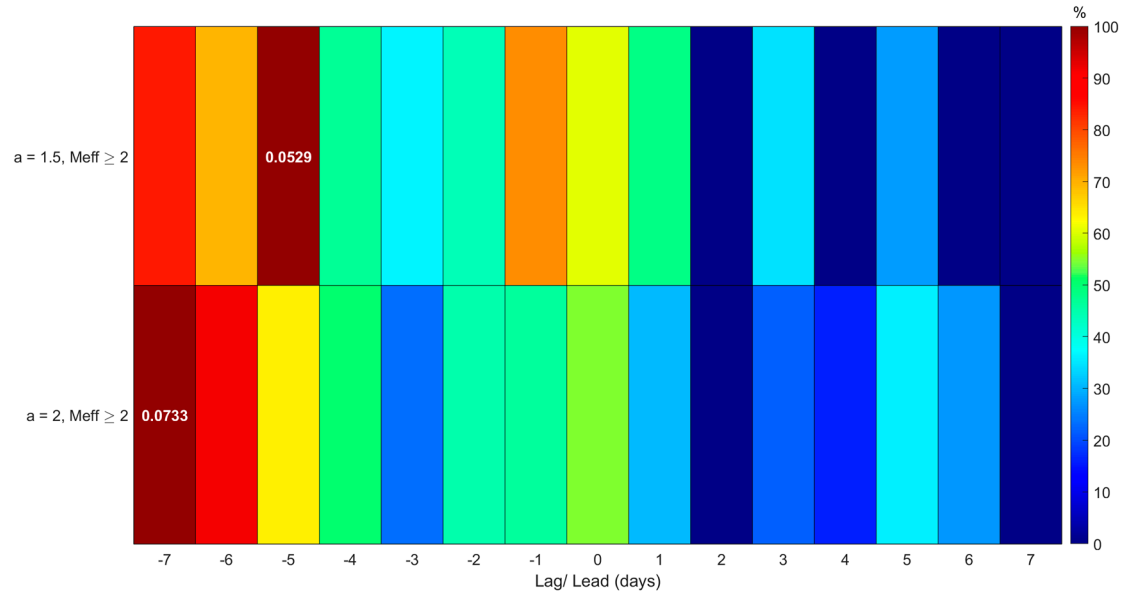


Figure S3. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-ANA path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

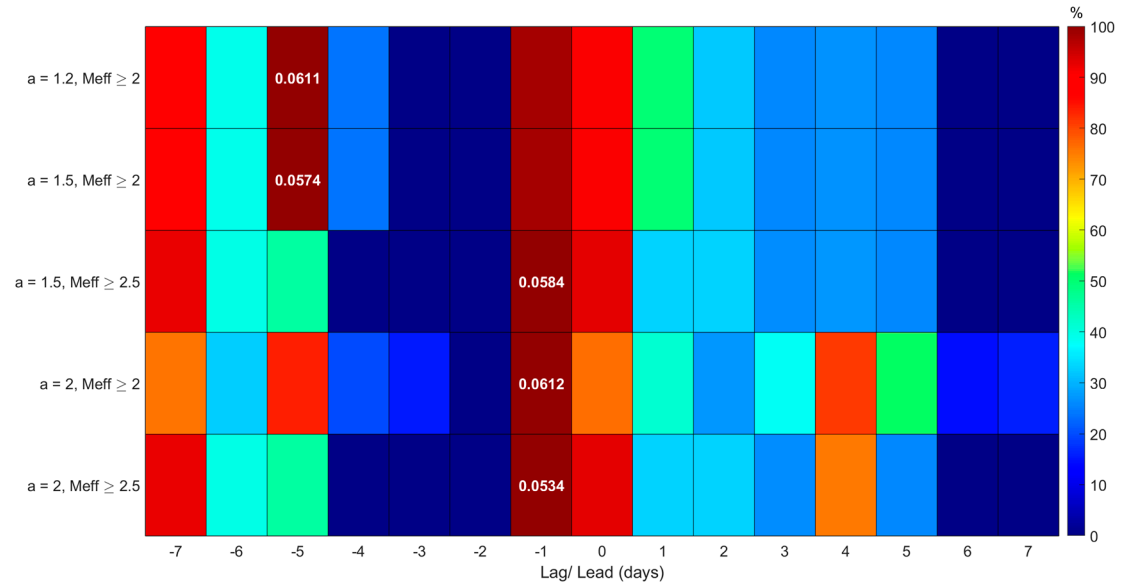


Figure S4. Tabular heat map of the cross-correlation between the morning TT of the JJI-KRY path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

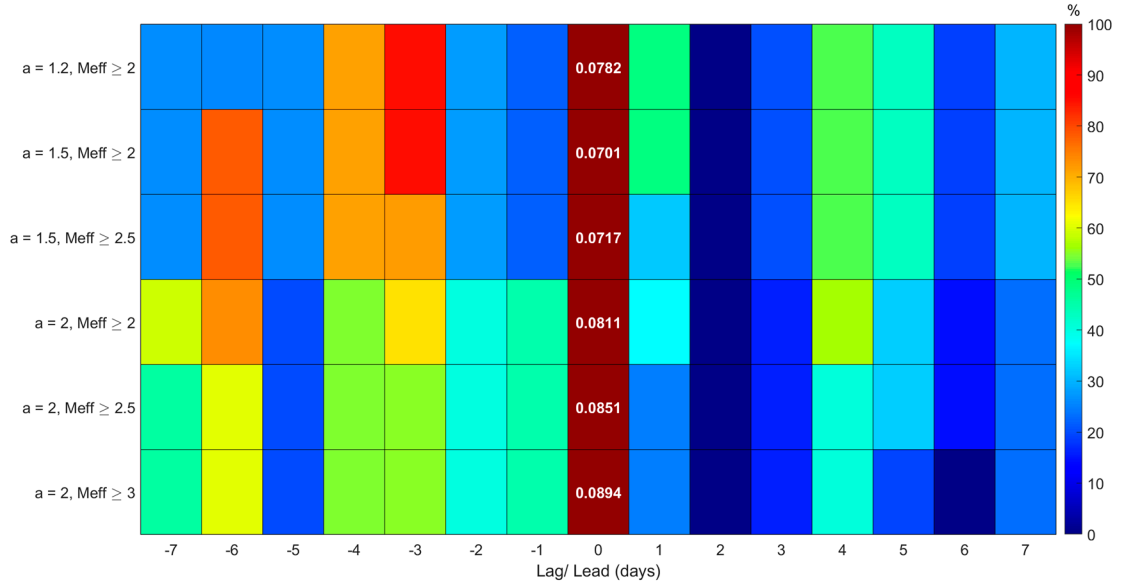


Figure S5. Tabular heat map of the cross-correlation between the evening TT of the JJI-KRY path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

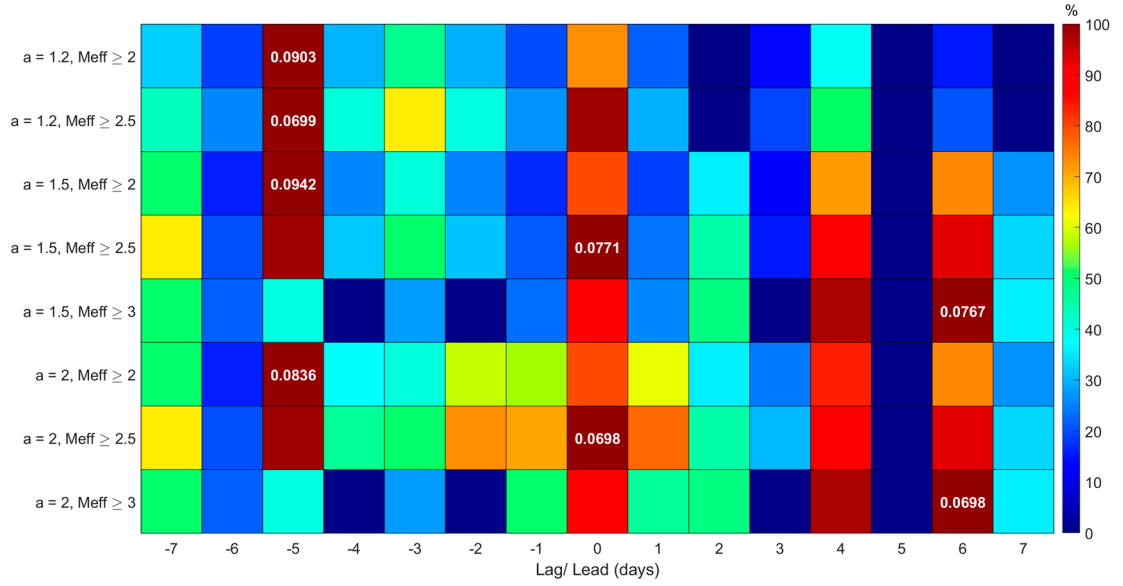


Figure S6. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-KRY path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

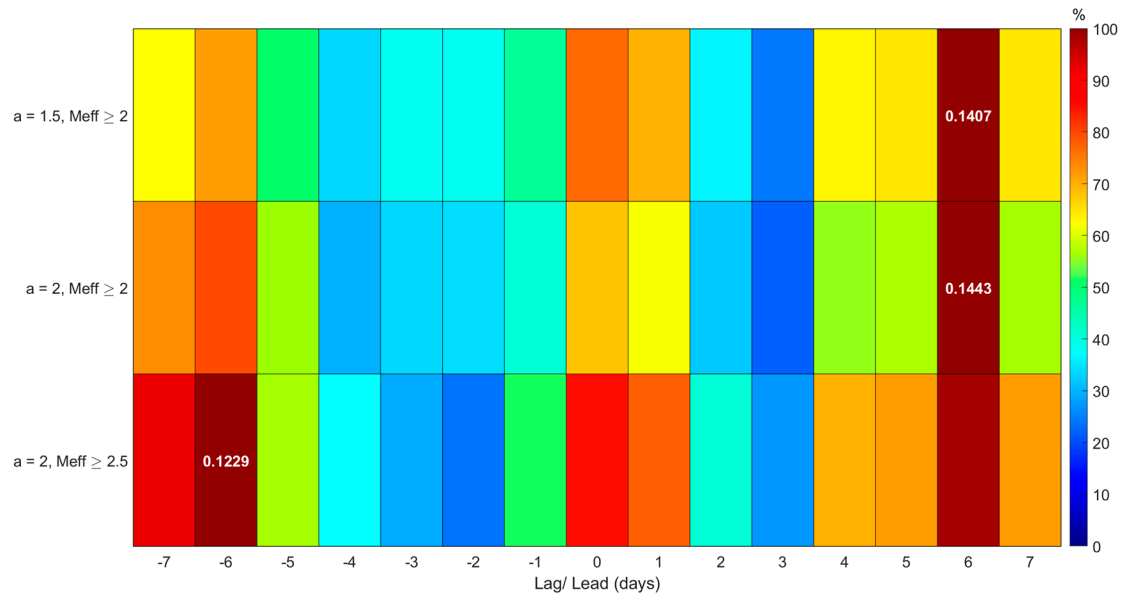


Figure S7. Tabular heat map of the cross-correlation between the morning TT of the JJI-TRG path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

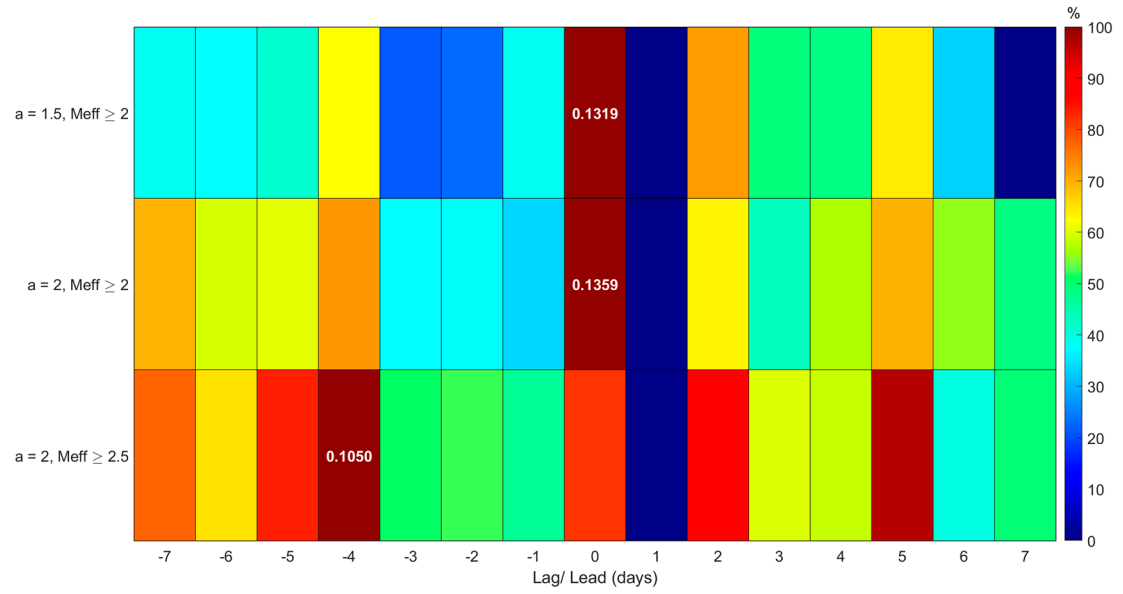


Figure S8. Tabular heat map of the cross-correlation between the evening TT of the JJI-TRG path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

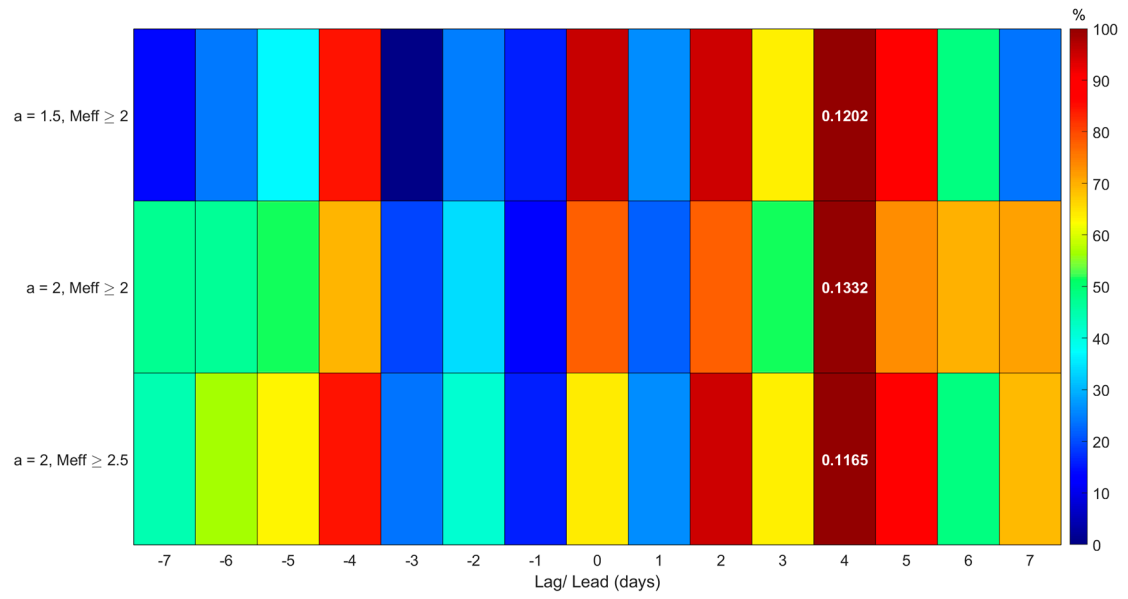


Figure S9. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-TRG path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

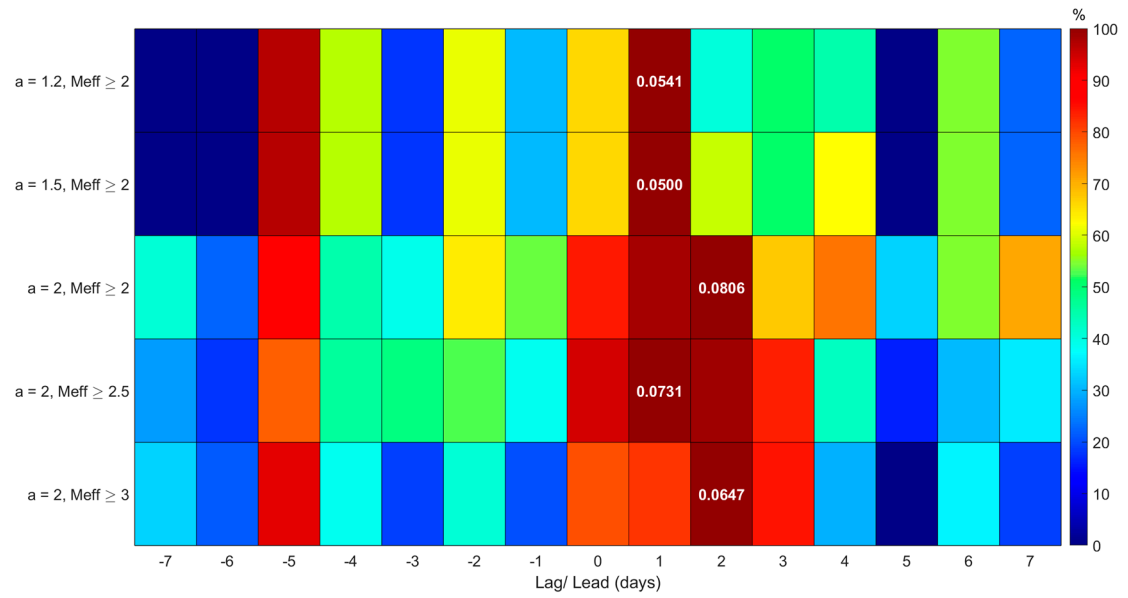


Figure S10. Tabular heat map of the cross-correlation between the morning TT of the JJI-THY path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

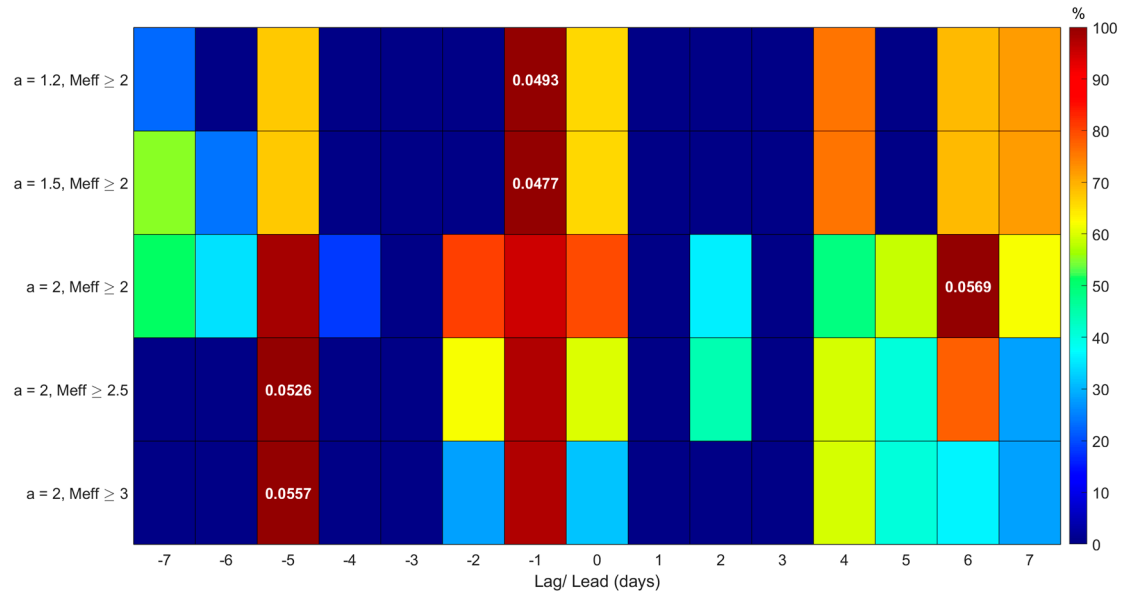


Figure S11. Tabular heat map of the cross-correlation between the evening TT of the JJI-THY path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

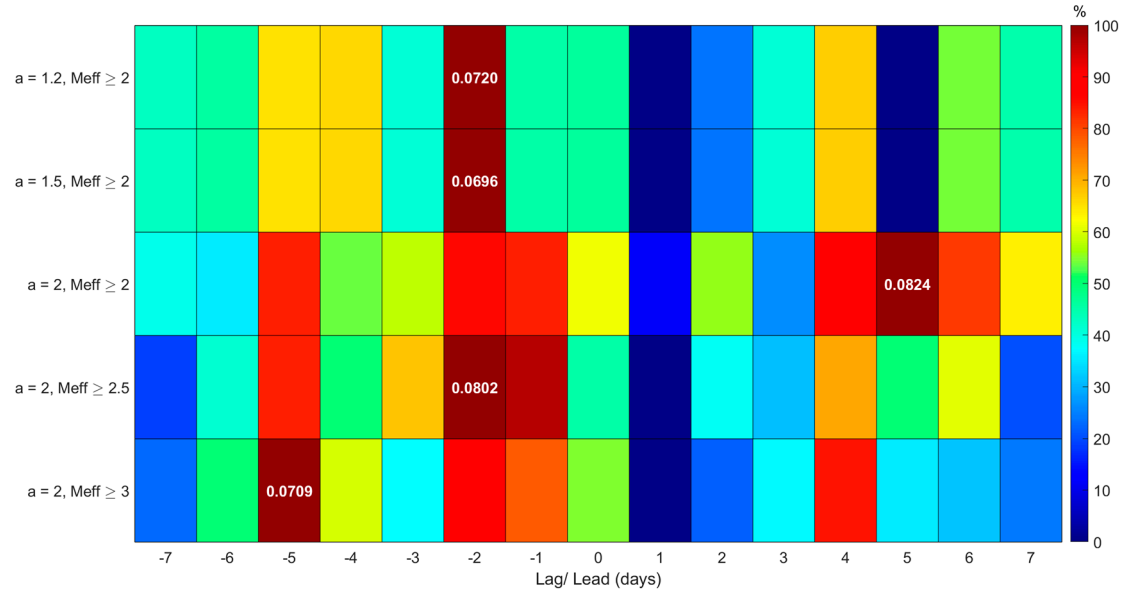


Figure S12. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-THY path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

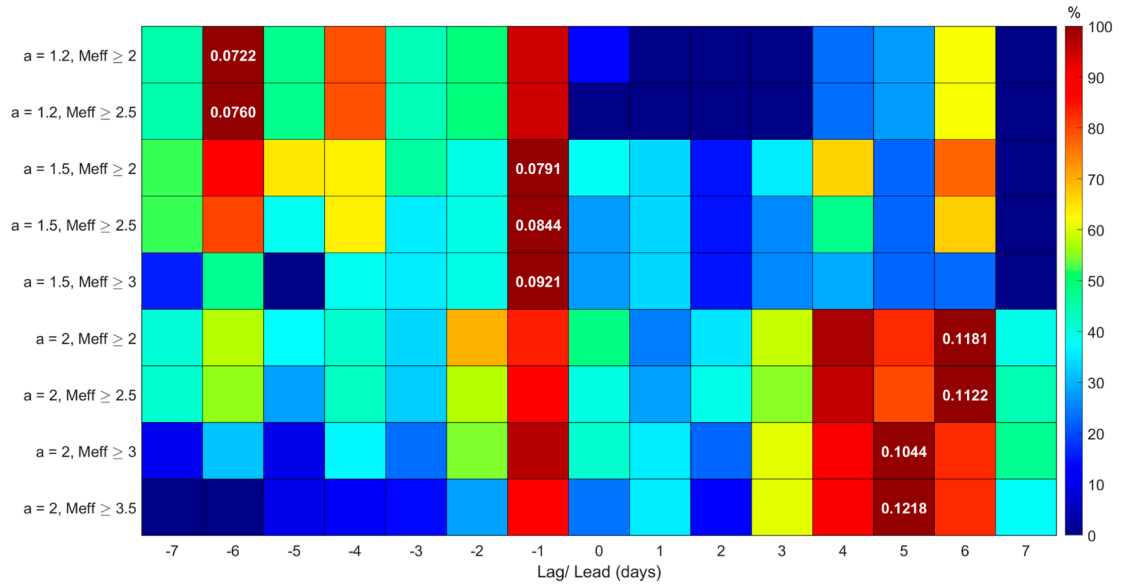


Figure S13. Tabular heat map of the cross-correlation between the morning TT of the JJI-HMT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

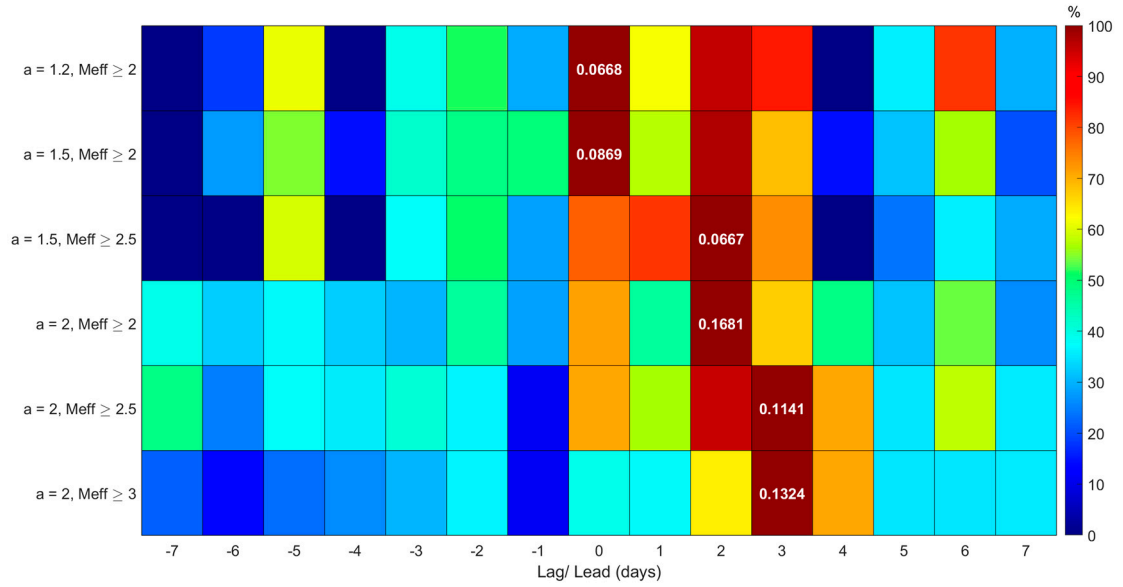


Figure S14. Tabular heat map of the cross-correlation between the morning TT of the JJI-IMZ path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

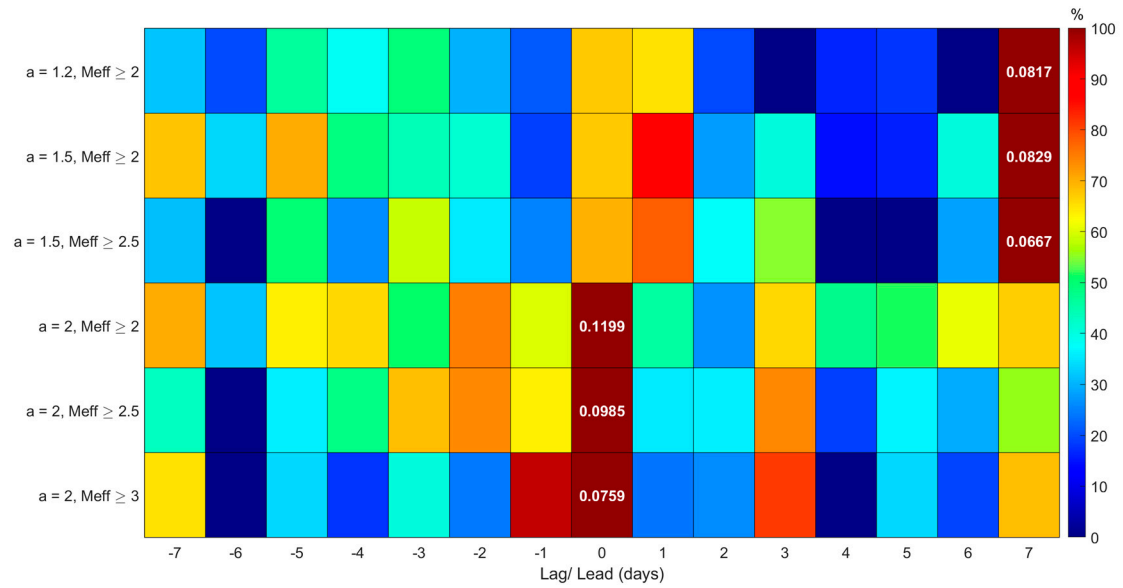


Figure S15. Tabular heat map of the cross-correlation between the evening TT of the JJI-IMZ path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

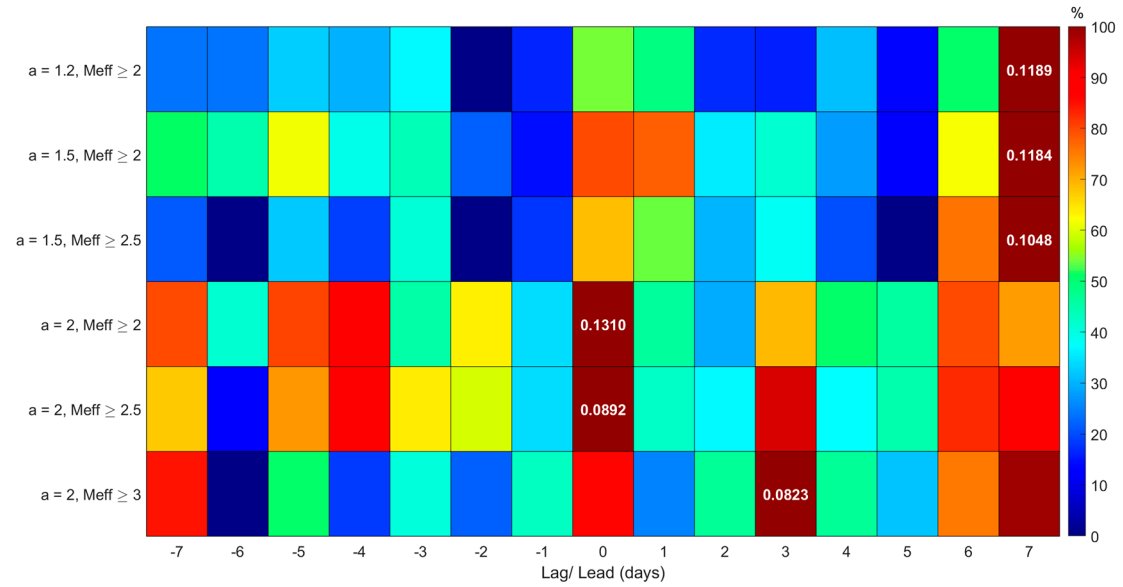


Figure S16. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-IMZ path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

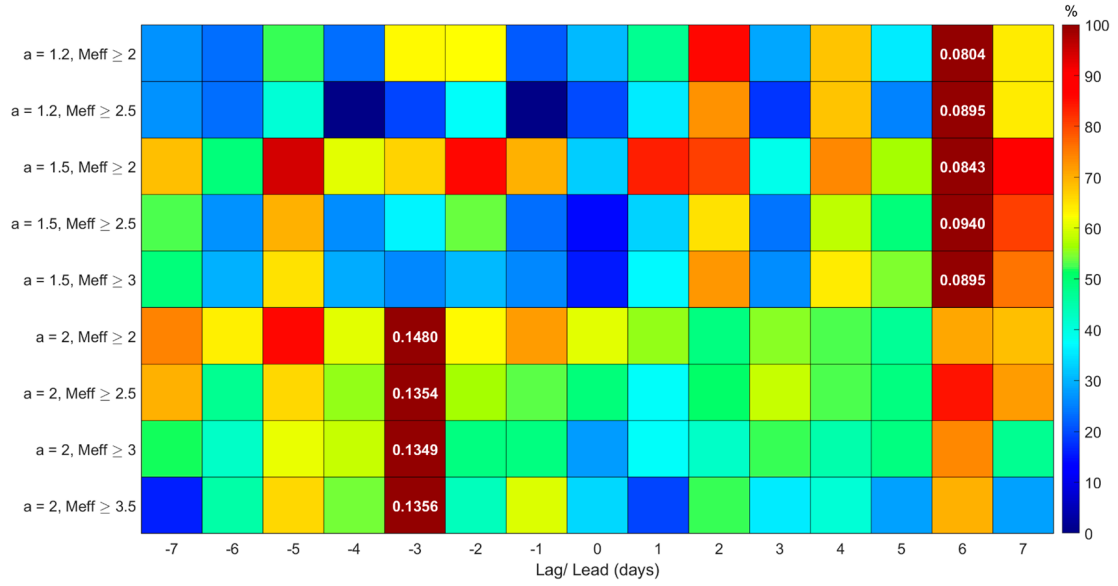


Figure S17. Tabular heat map of the cross-correlation between the morning TT of the JJI-KMK path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

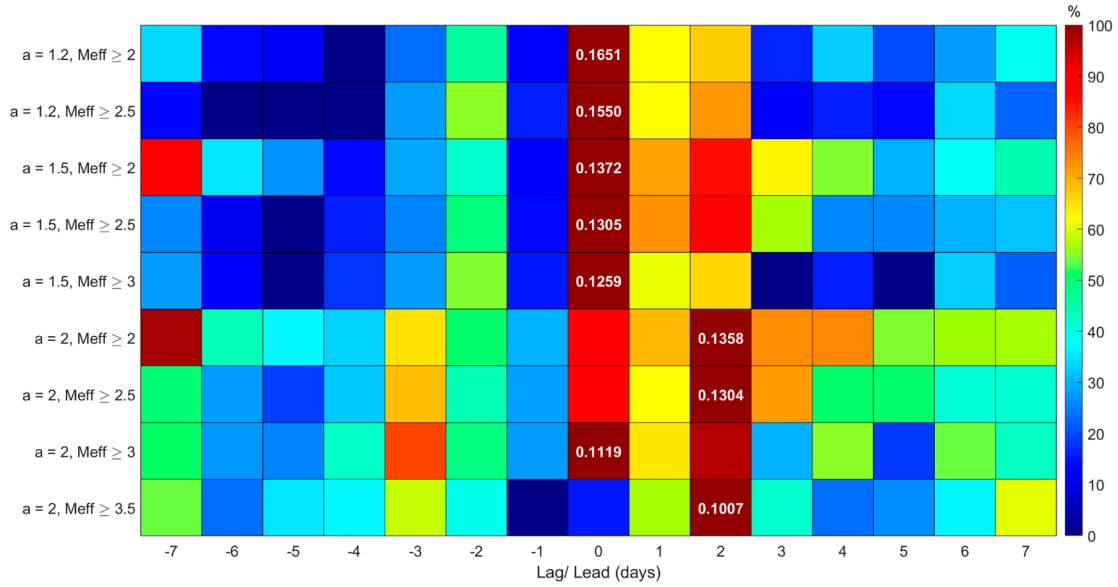


Figure S18. Tabular heat map of the cross-correlation between the evening TT of the JJI-KMK path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

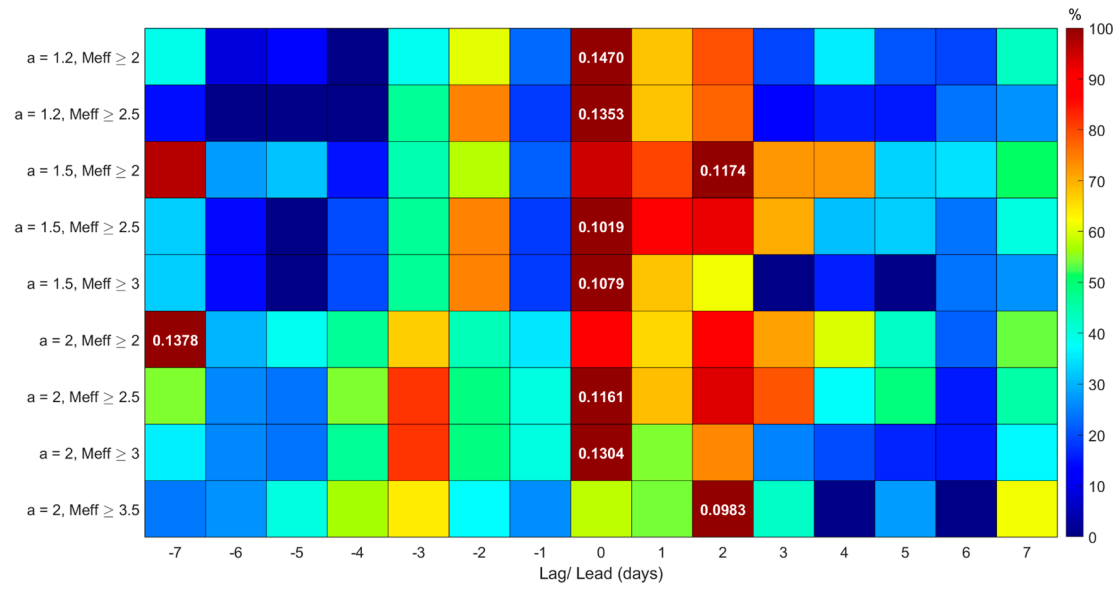


Figure S19. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-KMK path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

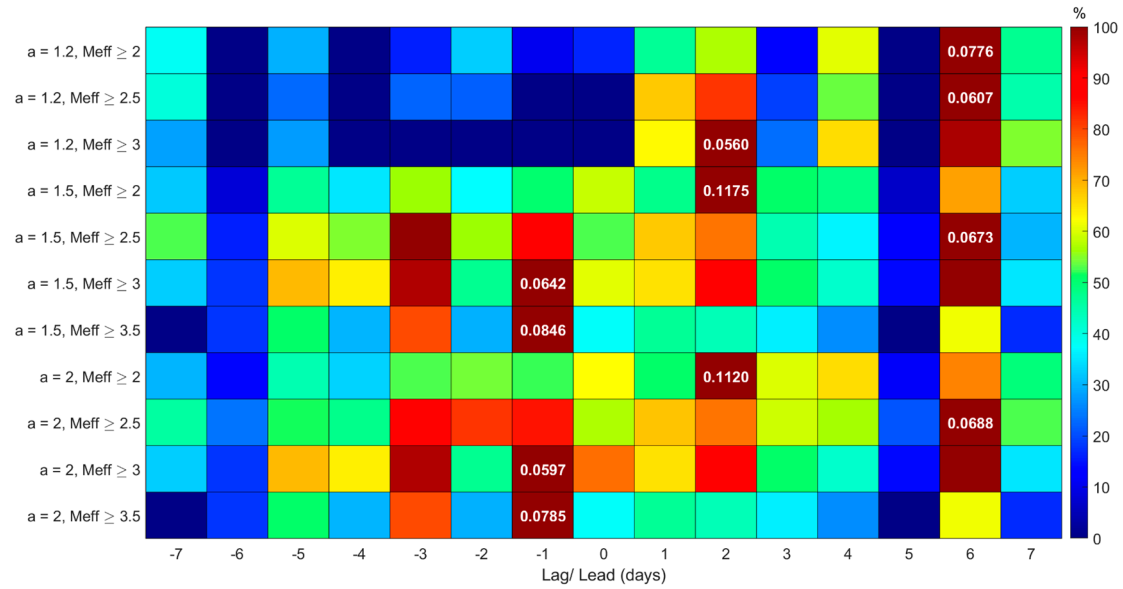


Figure S20. Tabular heat map of the cross-correlation between the morning TT of the JJI-TGN path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

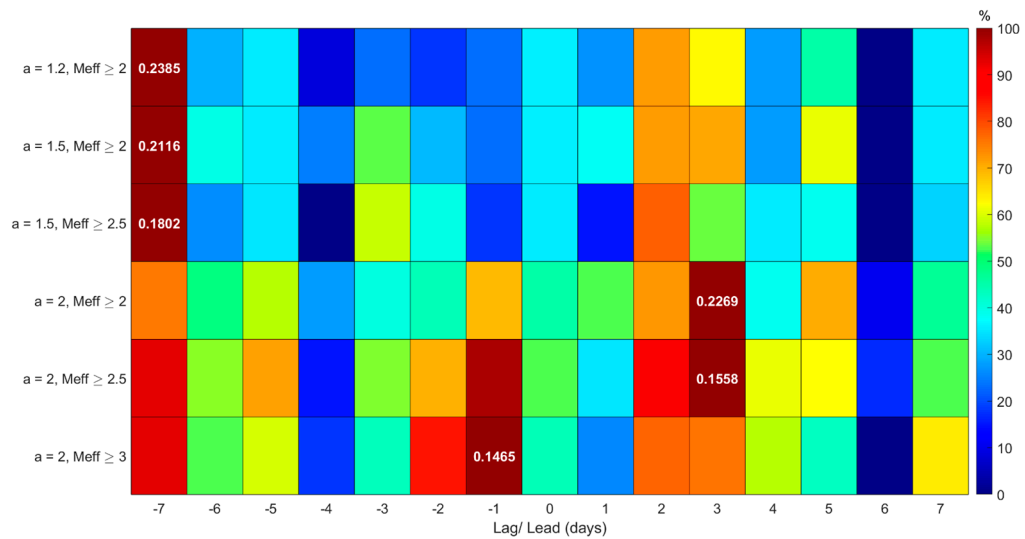


Figure S21. Tabular heat map of the cross-correlation between the morning TT of the JJI-KKT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

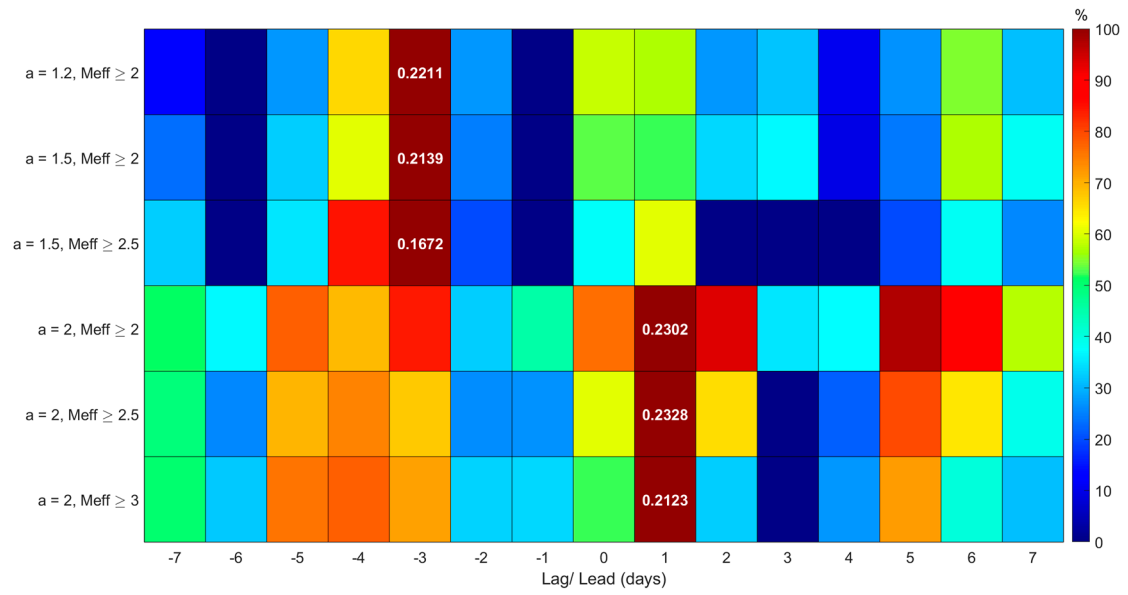


Figure S22. Tabular heat map of the cross-correlation between the evening TT of the JJI-KKT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

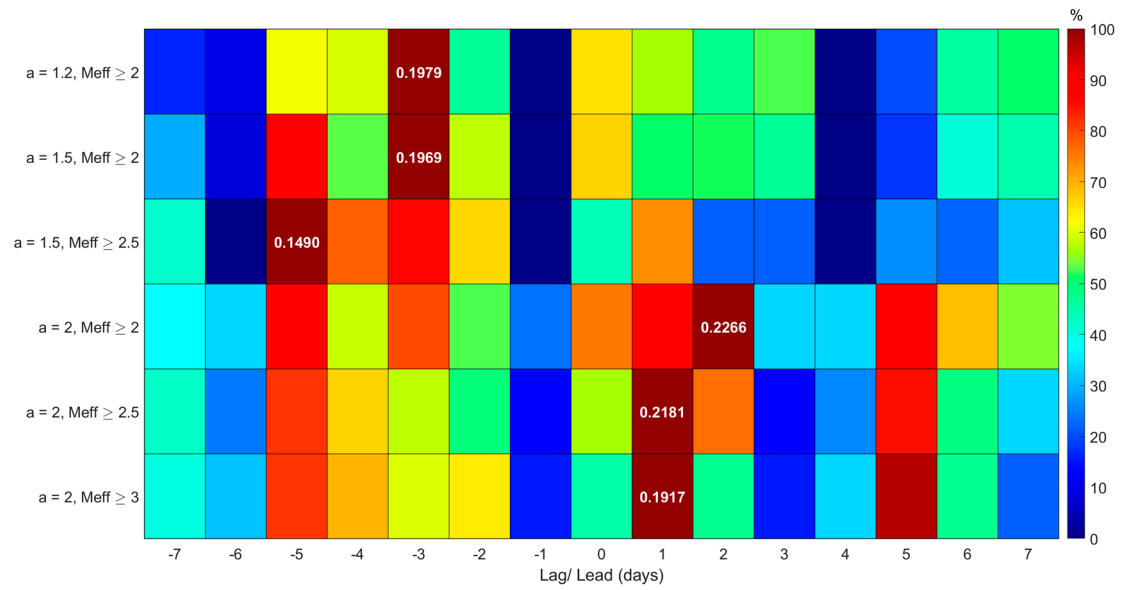


Figure S23. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-KKT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

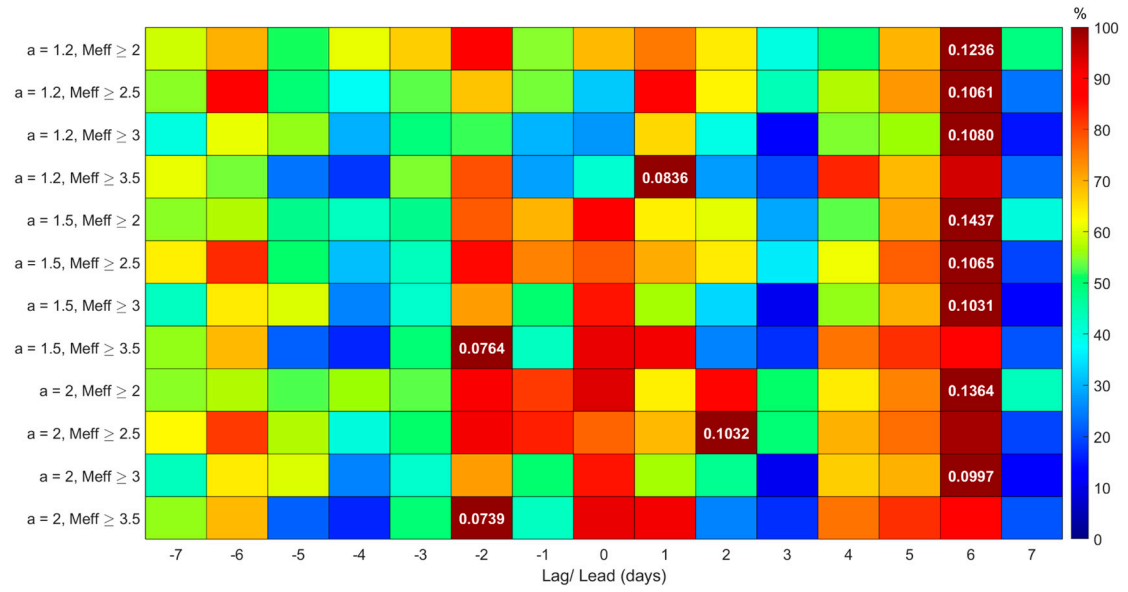


Figure S24. Tabular heat map of the cross-correlation between the morning TT of the JJI-AKT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

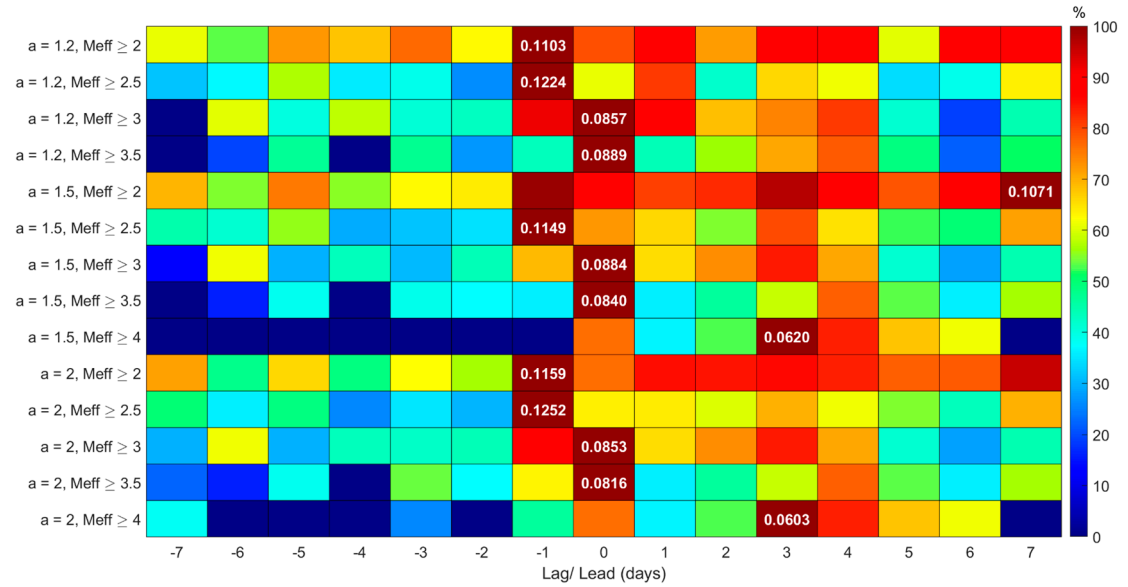


Figure S25. Tabular heat map of the cross-correlation between the evening TT of the JJI-AKT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

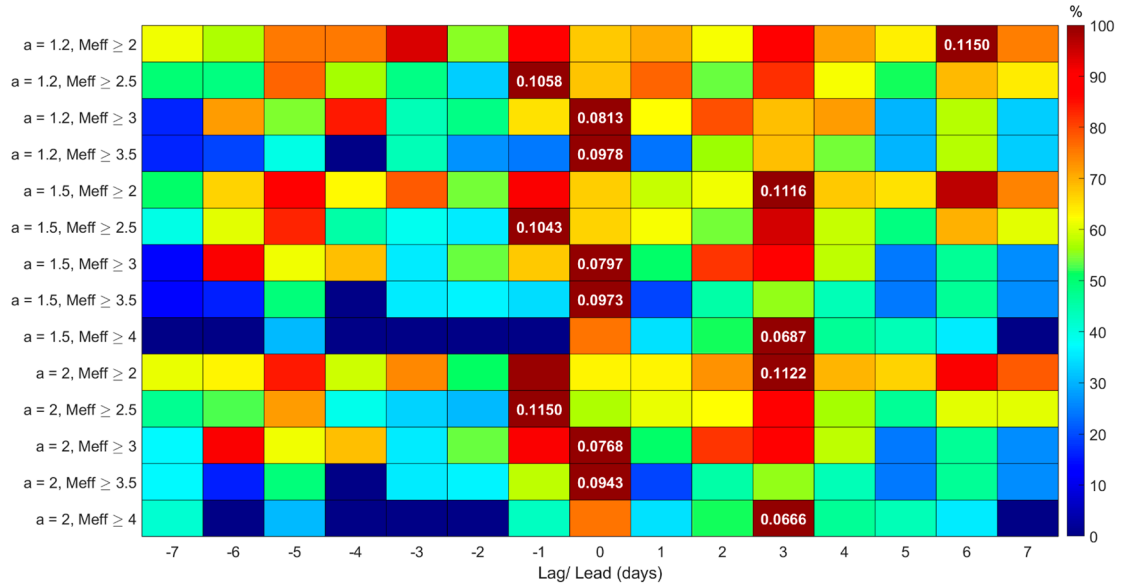


Figure S26. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-AKT path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

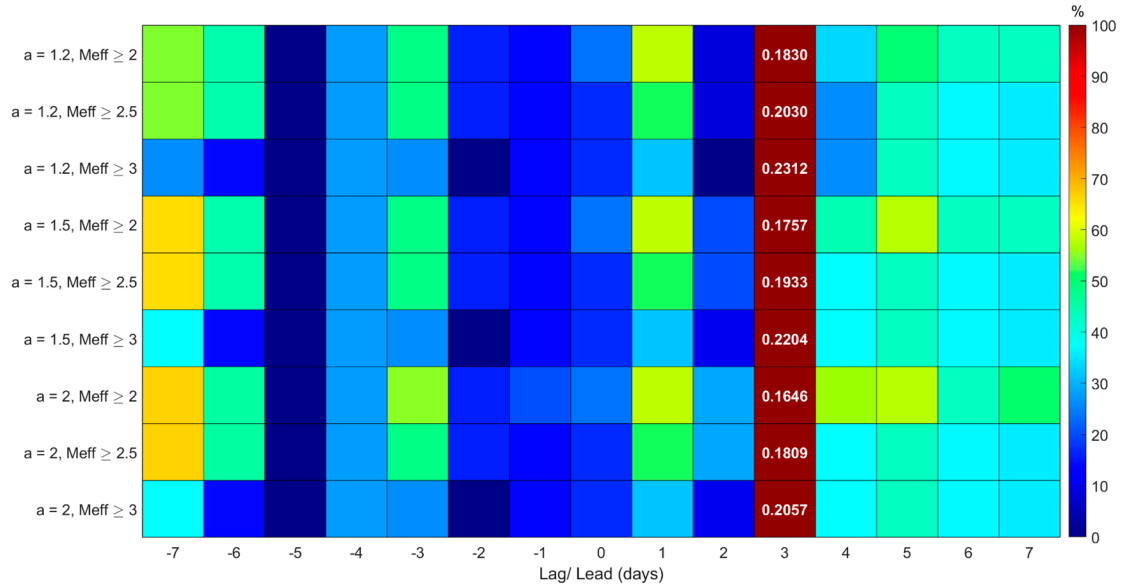


Figure S27. Tabular heat map of the cross-correlation between the morning TT of the JJI-AMR path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

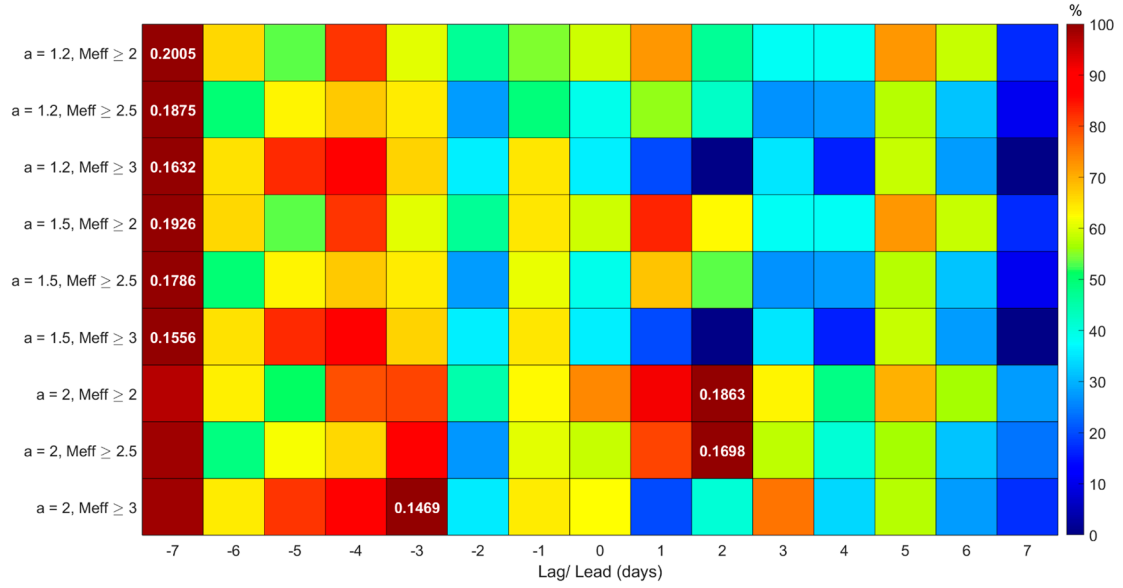


Figure S28. Tabular heat map of the cross-correlation between the evening TT of the JJI-AMR path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

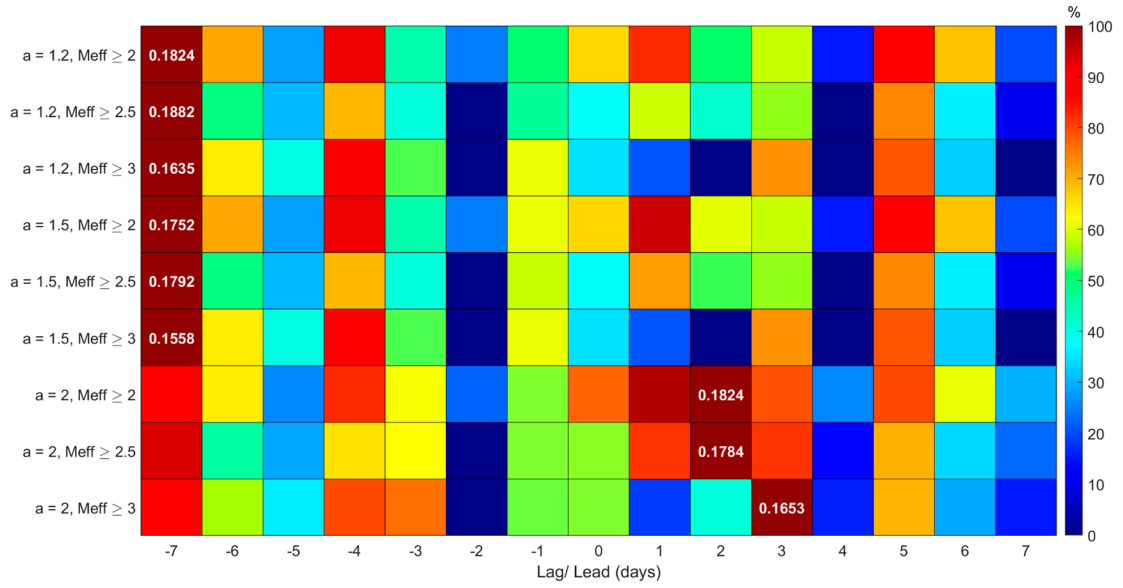


Figure S29. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-AMR path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

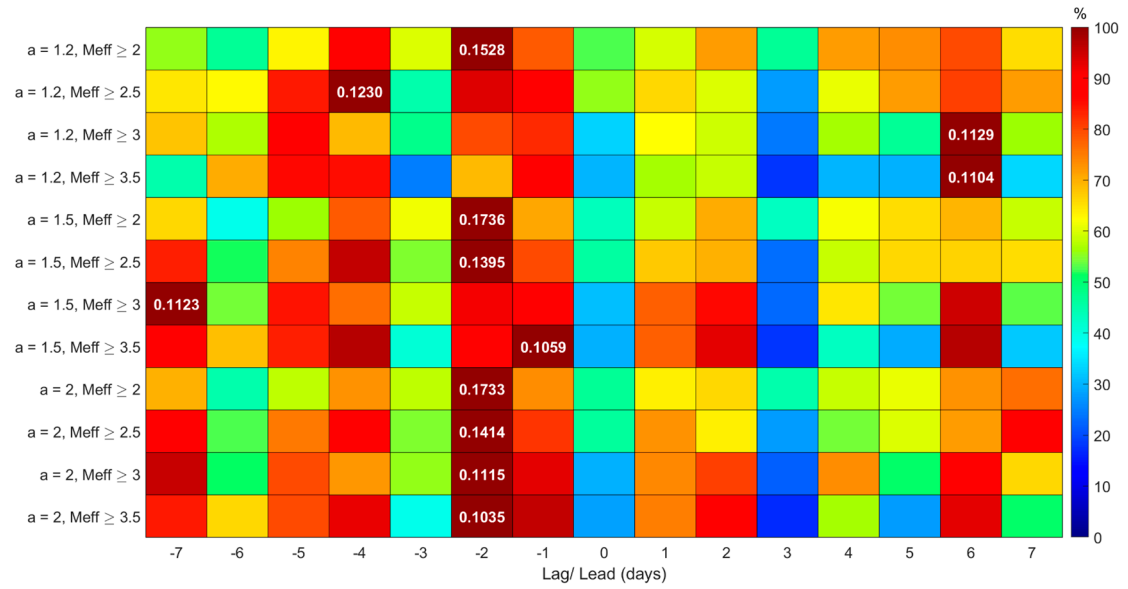


Figure S30. Tabular heat map of the cross-correlation between the morning TT of the JJI-STU path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

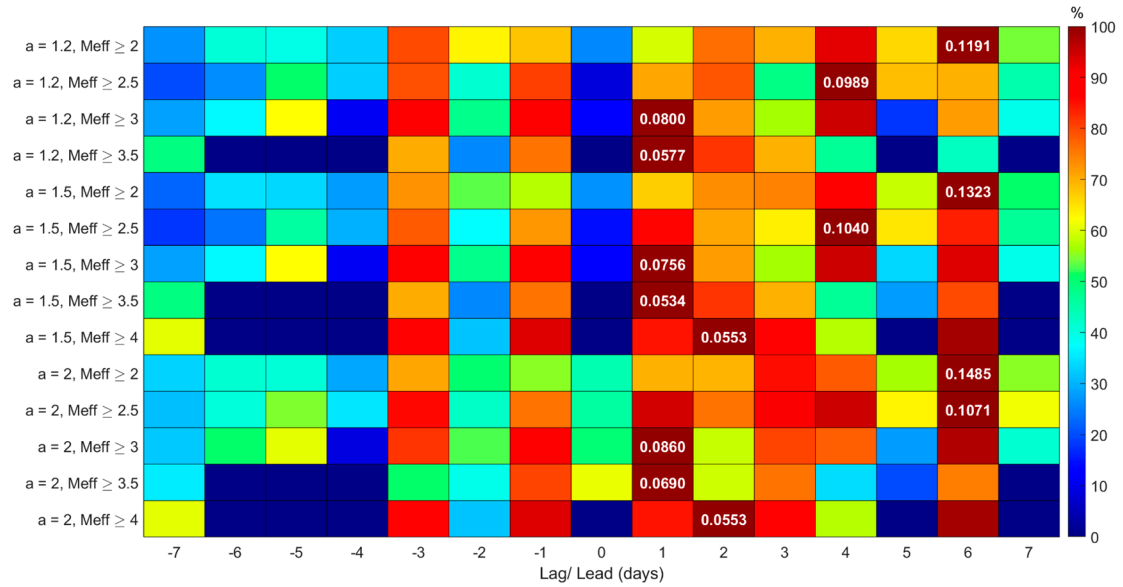


Figure S31. Tabular heat map of the cross-correlation between the evening TT of the JJI-STU path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

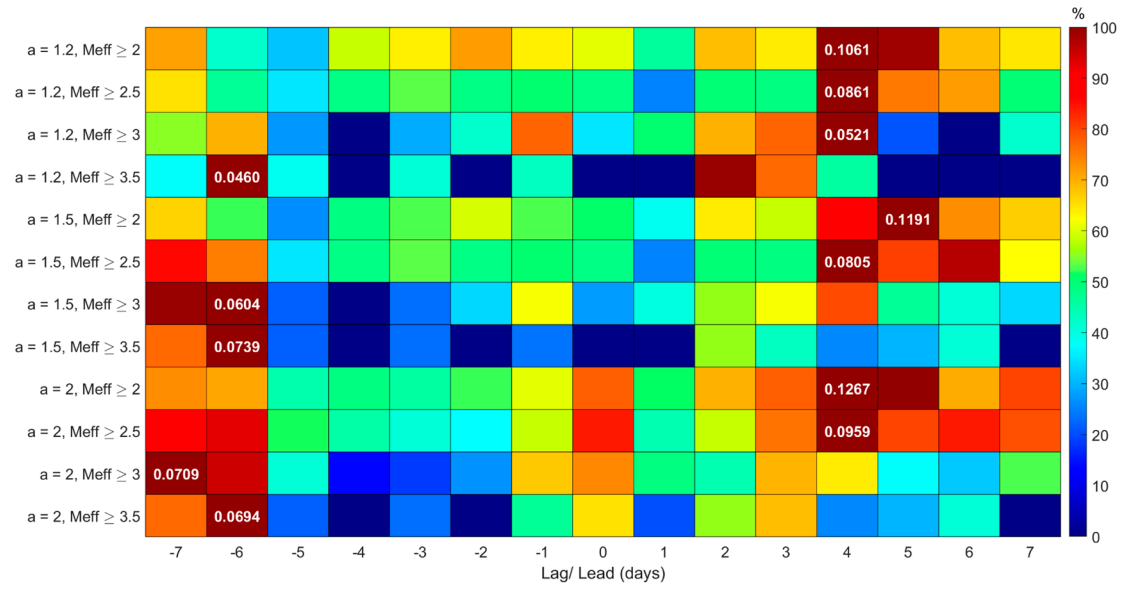


Figure S32. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-STU path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

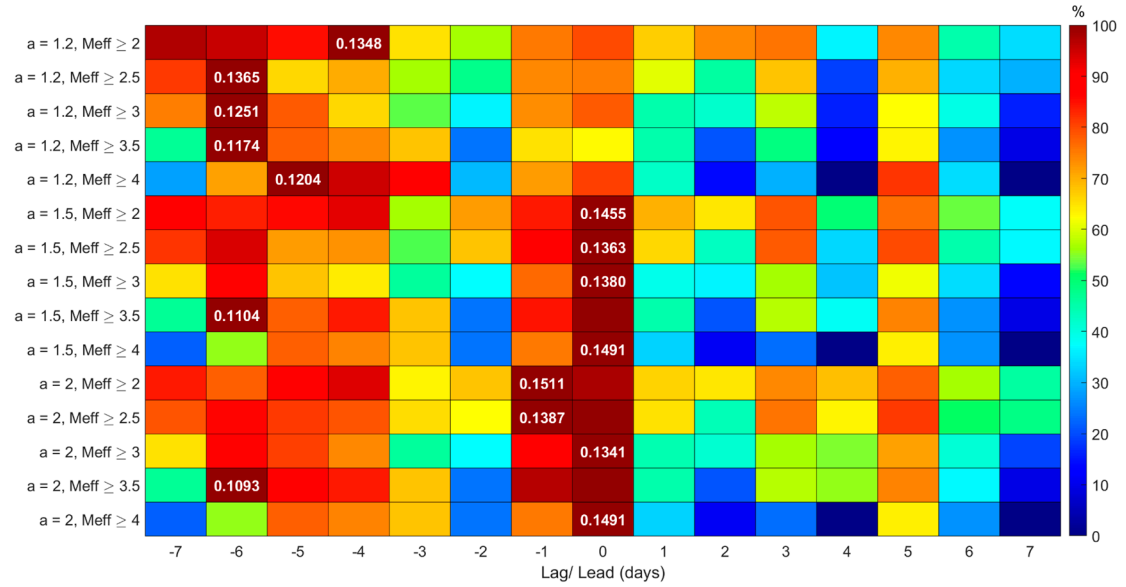


Figure S33. Tabular heat map of the cross-correlation between the morning TT of the JJI-NSB path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

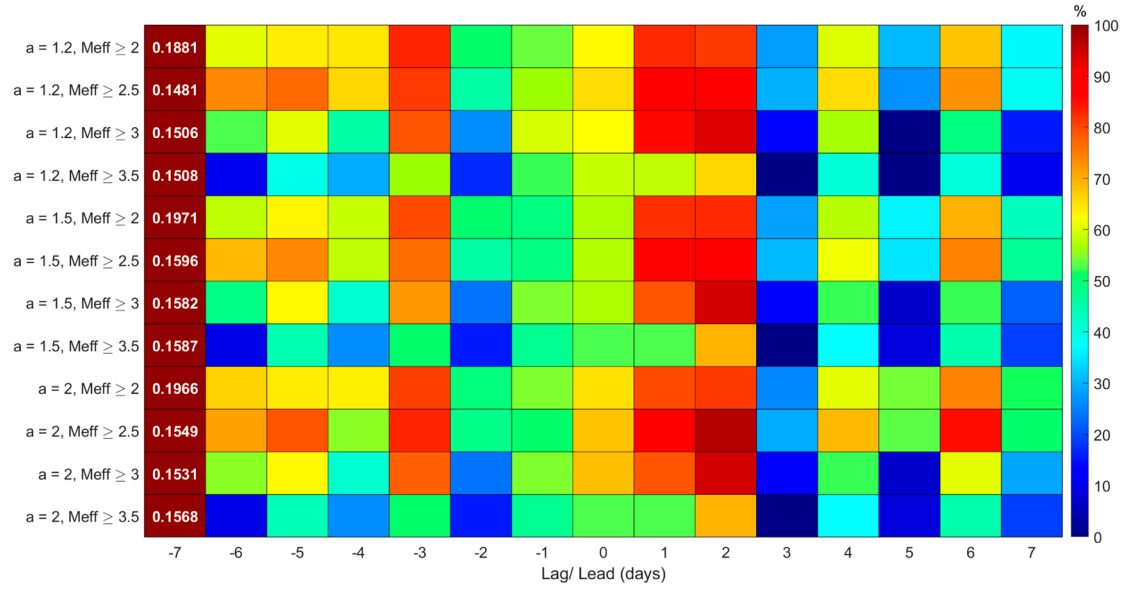


Figure S34. Tabular heat map of the cross-correlation between the evening TT of the JJI-NSB path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

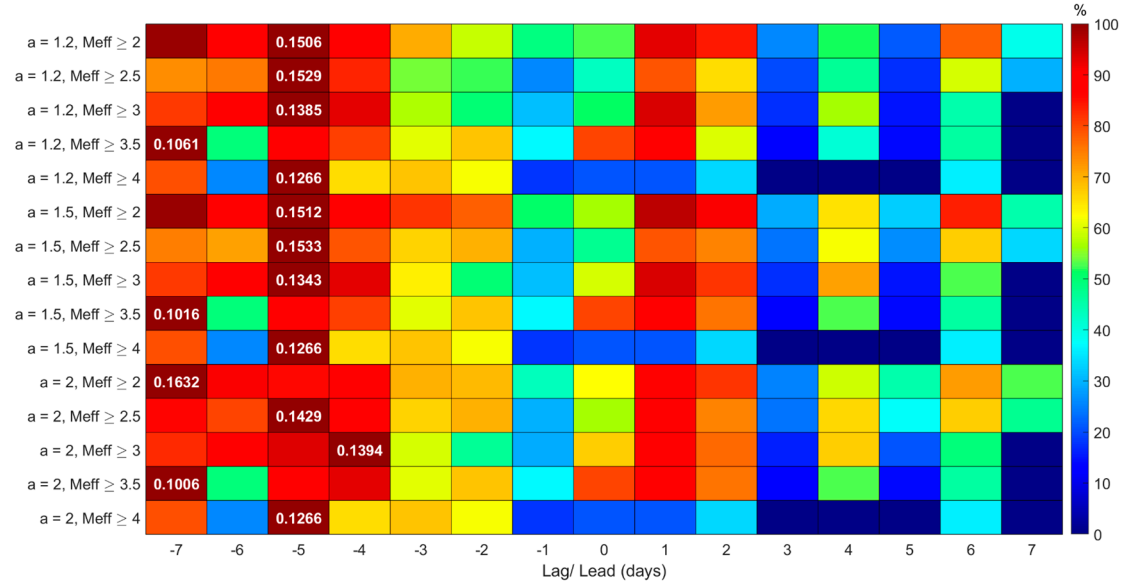


Figure S35. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-NSB path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

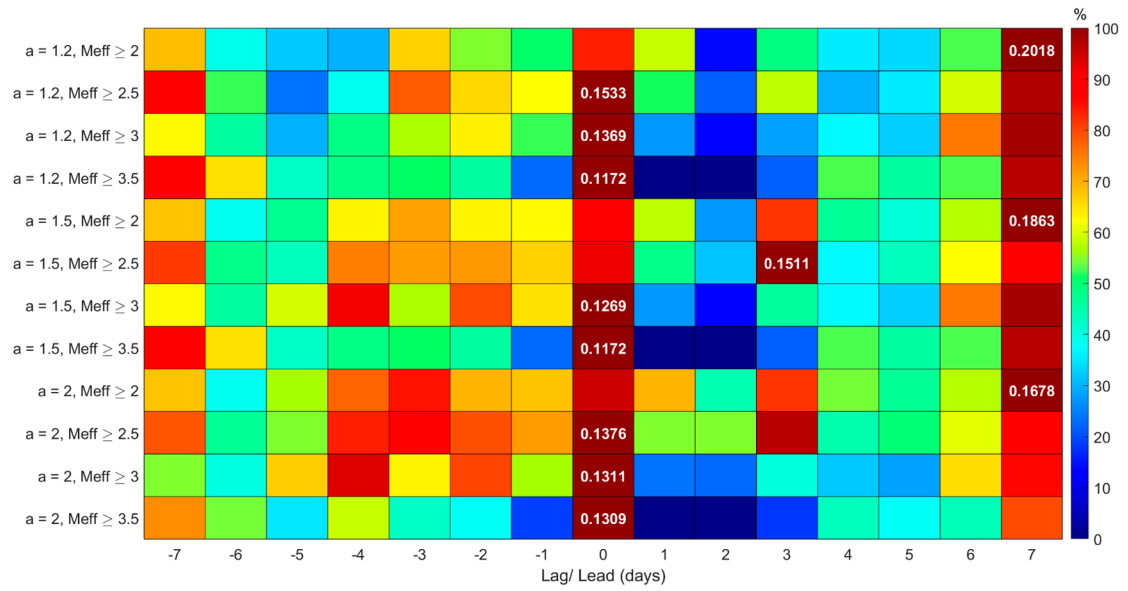


Figure S36. Tabular heat map of the cross-correlation between the morning TT of the JJI-WKN path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

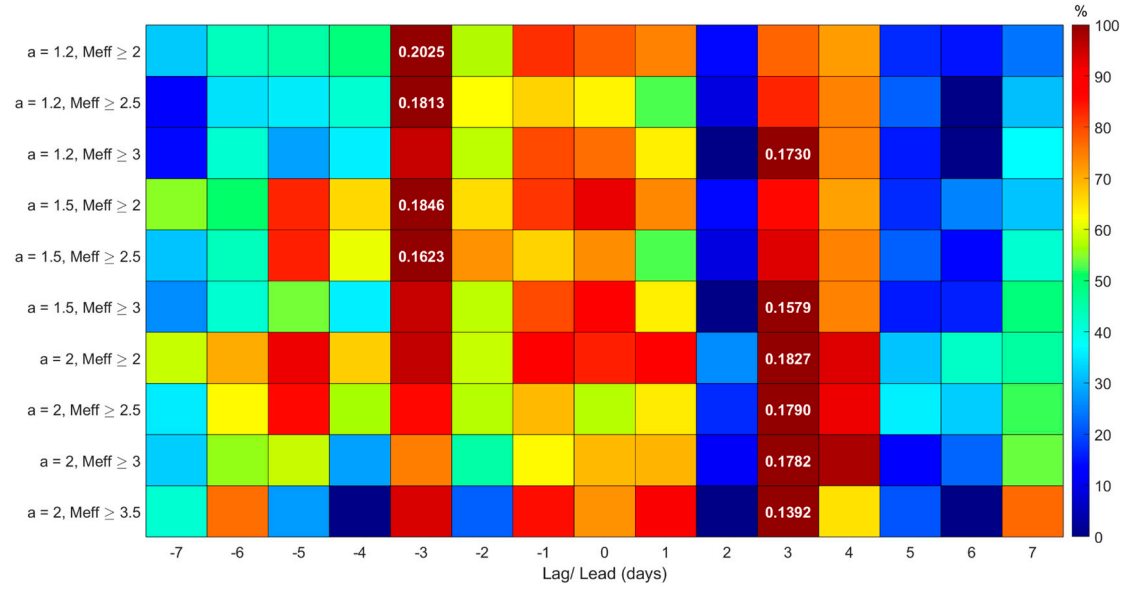


Figure S37. Tabular heat map of the cross-correlation between the evening TT of the JJI-WKN path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

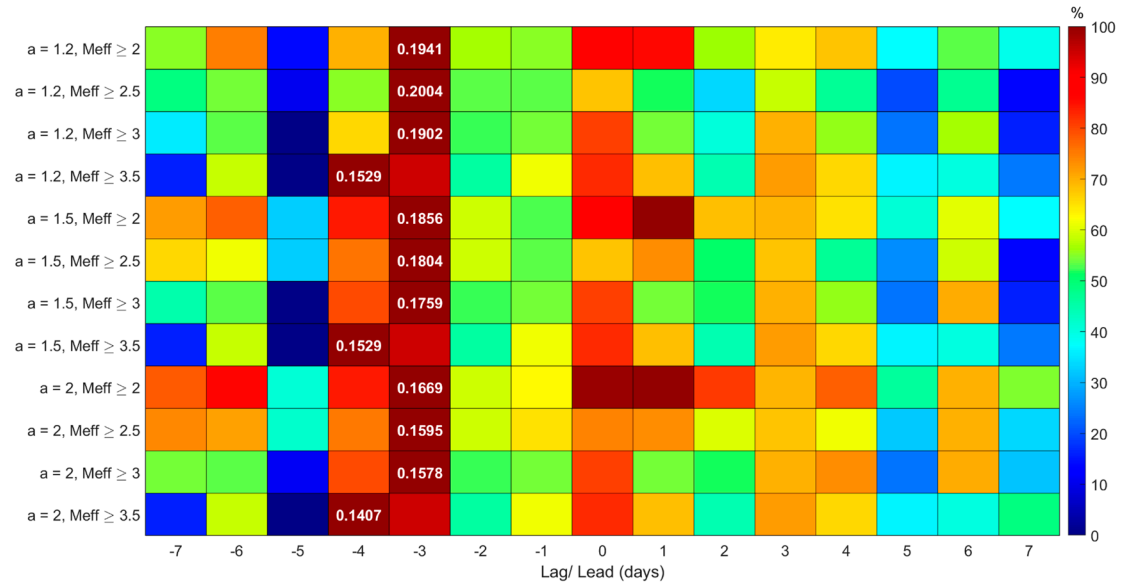


Figure S38. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-WKN path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

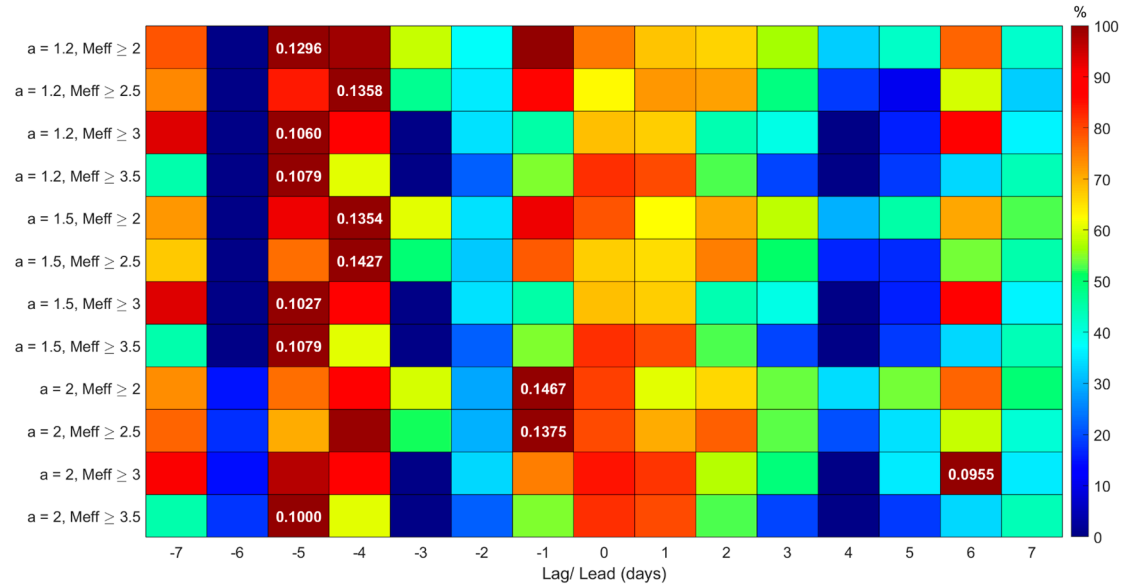


Figure S39. Tabular heat map of the cross-correlation between the morning TT of the JJI-NMR path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

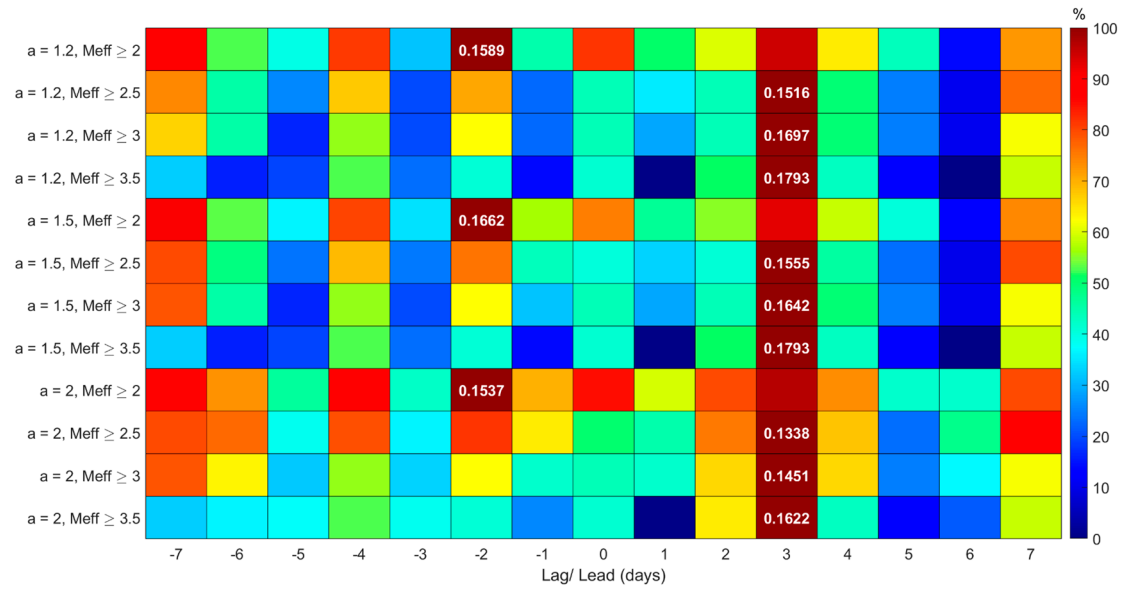


Figure S40. Tabular heat map of the cross-correlation between the evening TT of the JJI-NMR path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.

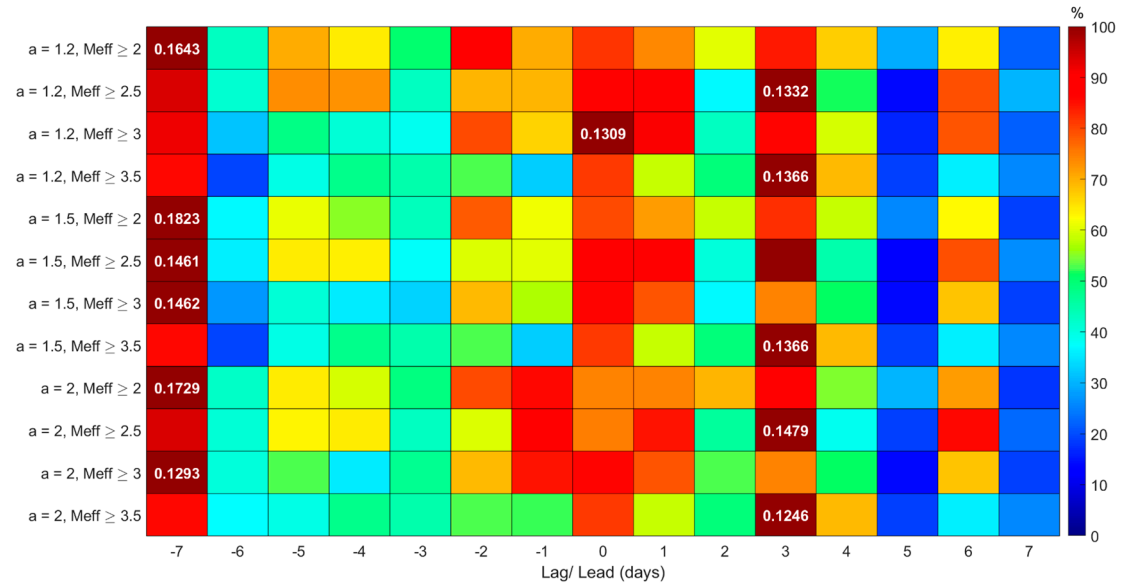


Figure S41. Tabular heat map of the cross-correlation between the VLF daylength of the JJI-NMR path and the daily seismicity (M_{eff}). Figure format is that same as in Figure S1.