Supplement of Ann. Geophys., 35, 1195–1200, 2017
https://doi.org/10.5194/angeo-35-1195-2017-supplement

Annales Geophysicae Open Access EGU

Supplement of

Searching for the 27-day solar rotational cycle in lightning events recorded in old diaries in Kyoto from the 17th to 18th century

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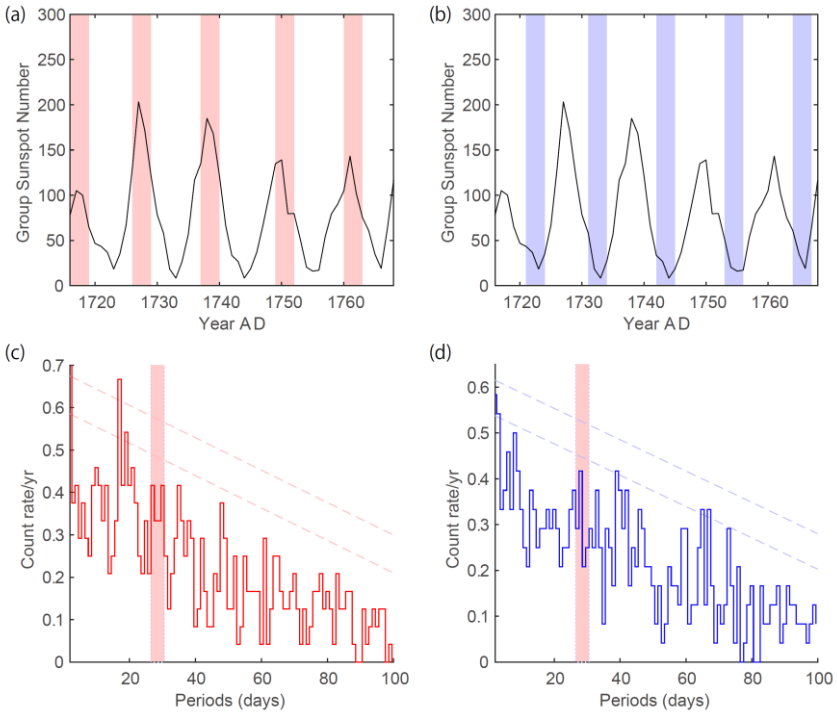

Figure S1. (a, b) Time series of group sunspot numbers for AD1716–1767 compiled by Clette and Lefevre (2016). Red and blue shades define the periods of solar maxima and minima, respectively, used in the analyses. (c) Periodicity of lightning events from May to September during solar maxima. Red dashed lines denote the 2 and 3 standard deviations, respectively. Red-shaded bars indicate the 27–30 day period. (d) Same as (c) but for solar minima.

Reference:

Clette, F., and L. Lefevre (2016), The New Sunspot Number: assembling all corrections, Solar Physics, 291, 2629–2651, DOI: 10.1007/s11207-016-1014-y.