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## Supplement of

## World Wide Lightning Location Network (WWLLN) Global Lightning Climatology (WGLC) and time series, 2022 update

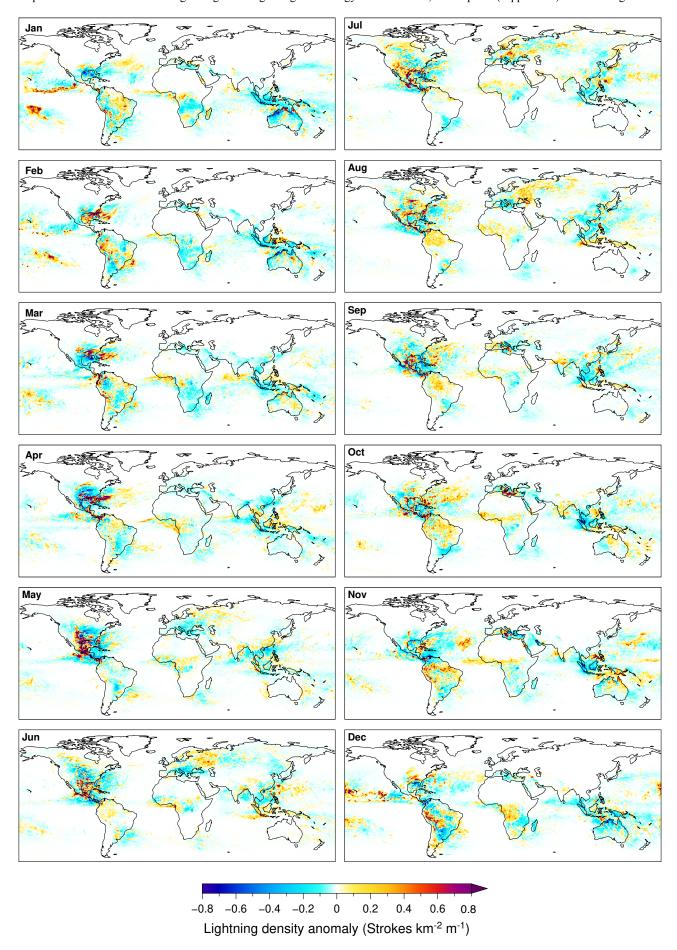
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Lightning density of WGLC climatology (Strokes km<sup>-2</sup> yr<sup>-1</sup>)

Figure S1. WGLC annual lightning density maps (2010-2021)



**Figure S2.** Difference between monthly lightning observed in 2021 and the 2010-2020 climatological mean.