



JGR Atmosphere

Supporting Information for

**Development of CMIP6-based climate scenarios for Japan using statistical method
and their applicability to impact studies**

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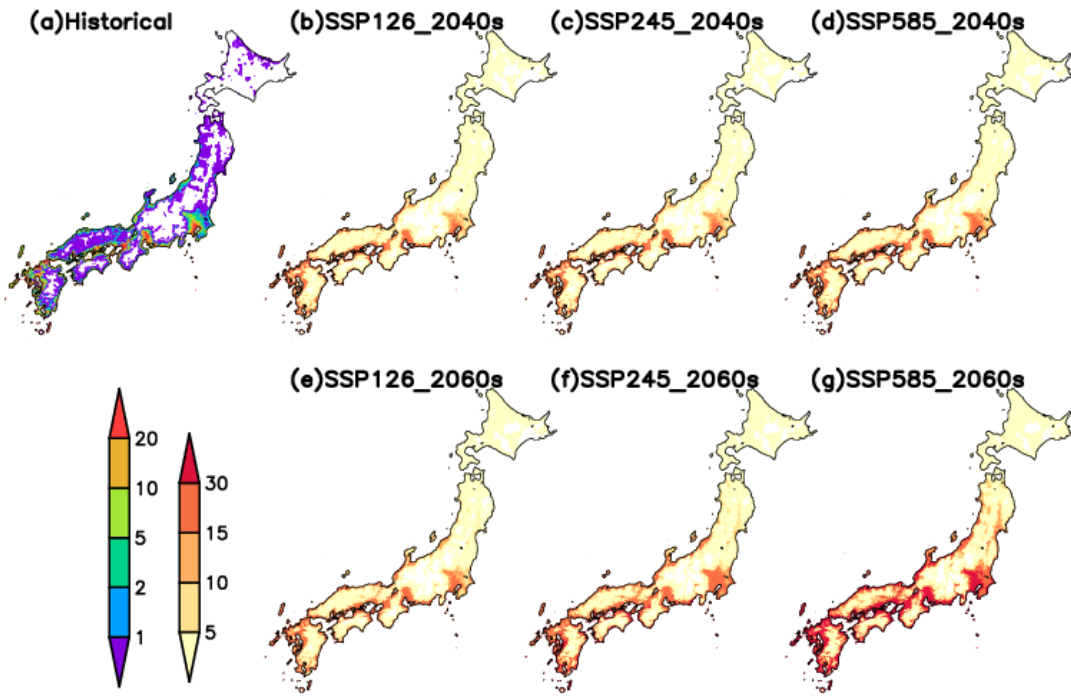


Figure S1. Ensemble mean of the annual TN25 for (a) the present climate (2001–2020) and (b-g) future change: (b) 2040s (2031–2050) in SSP126, (c) 2040s in SSP245, (d) 2040s in SSP585, (e) 2060s (2051–2070) in SSP126, (f) 2060s in SSP245, and (g) 2060s in SSP585. The color bar on left (right) side is for present climate (future change).

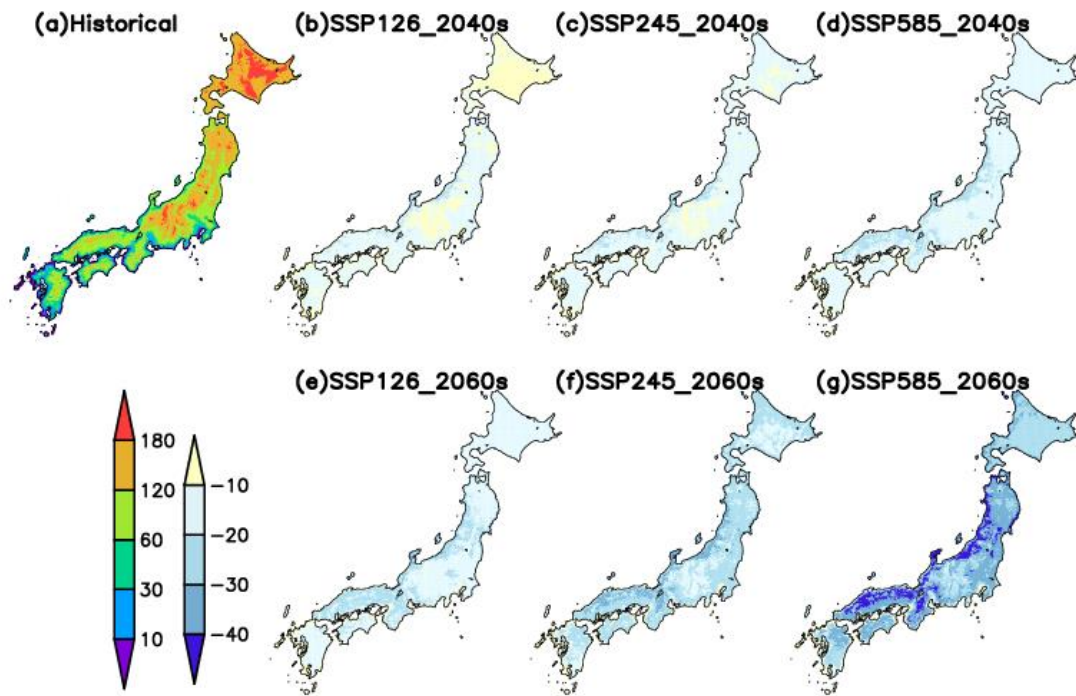


Figure S2. Ensemble mean of the annual TN0 for (a) the present climate (2001–2020) and (b–g) future change: (b) 2040s (2031–2050) in SSP126, (c) 2040s in SSP245, (d) 2040s in SSP585, (e) 2060s (2051–2070) in SSP126, (f) 2060s in SSP245, and (g) 2060s in SSP585. The color bar on left (right) side is for present climate (future change).

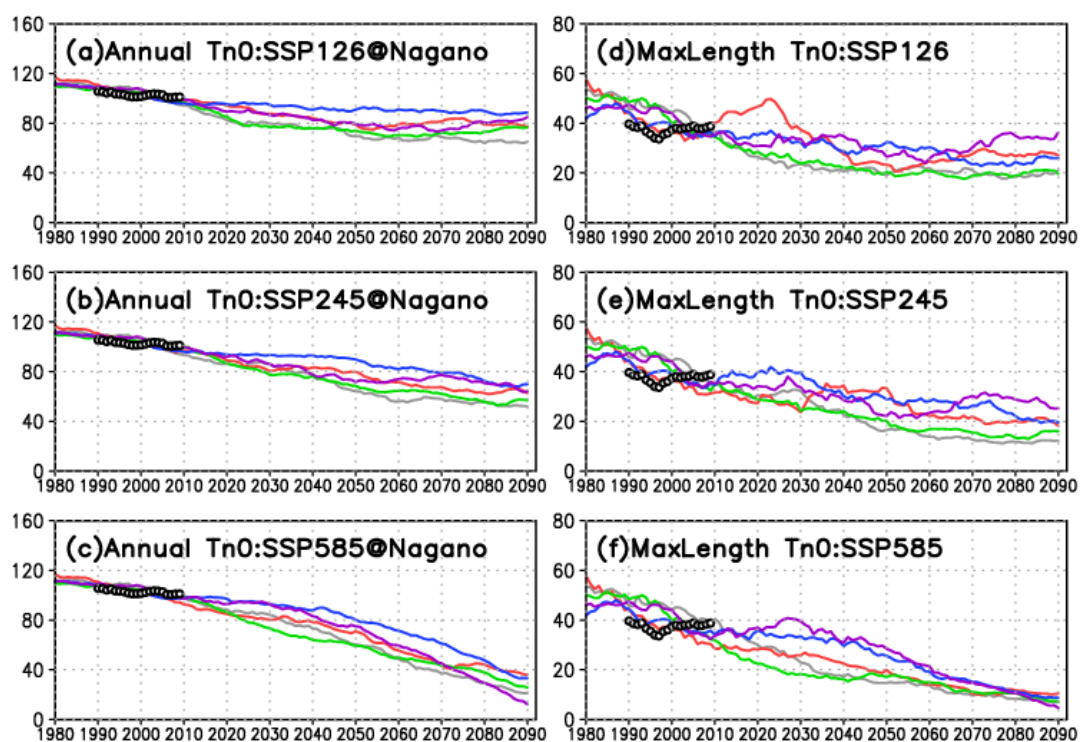


Figure S3. Twenty-year running mean of the annual number of TN0 in Nagano with (a) SSP126, (b) SSP245, and (c) SSP585. The maximum number of consecutive days of TN0 with (d) SSP126, (e) SSP245, and (f) SSP585. The five colored lines indicate each GCM and solid lines with white circles show the observed value.