Projected future changes in extreme precipitation over China under stratospheric aerosol intervention
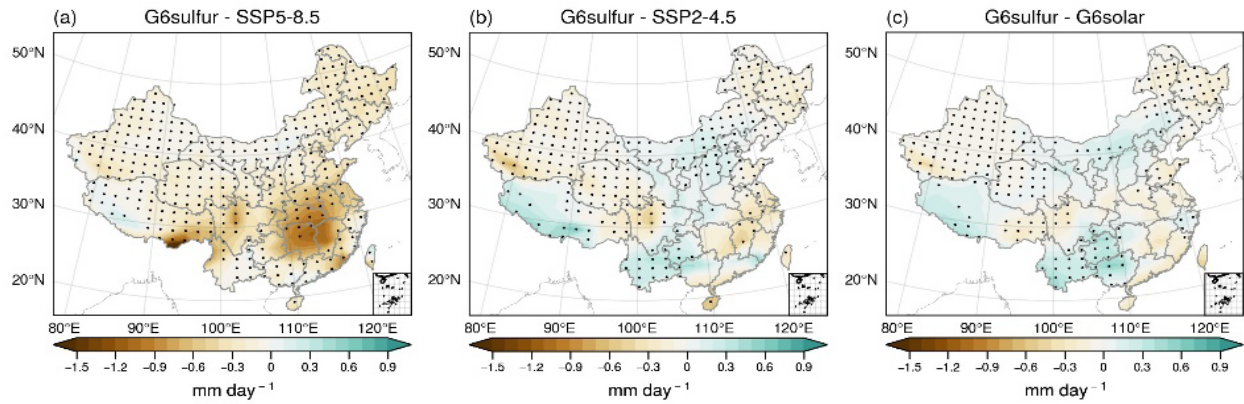
Figure S1. Differences in precipitation (mm day^{-1}) for the future period of 2071 – 2100 between G6sulfur and SSP5-8.5 (a,), SSP2-4.5 (b), and G6solar (c). The dotted areas indicate where the difference is statistically significant at a 95% confidence level using a Wilcoxon rank sum test. test.
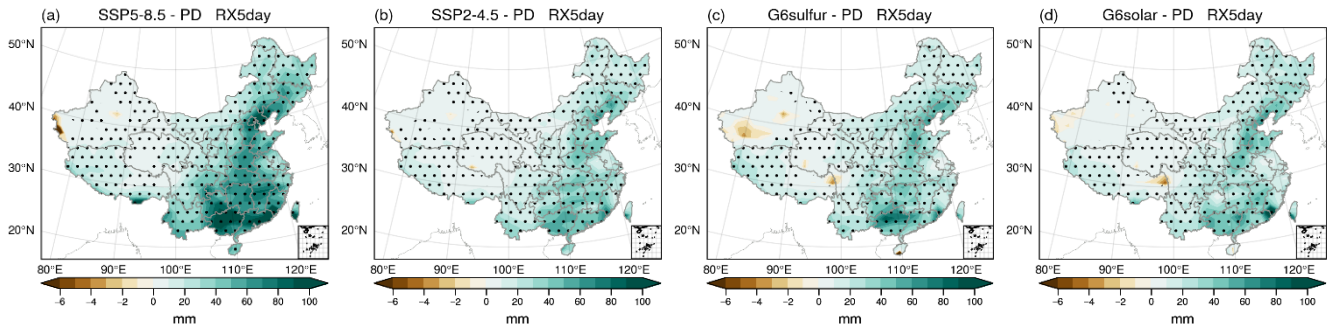
Figure S2. Absolute changes in RX5Day for the future period of 2071 – 2100 relative to the PD. The dotted areas indicate where the difference is statistically significant at a 95% confidence level using a Wilcoxon rank sum test.
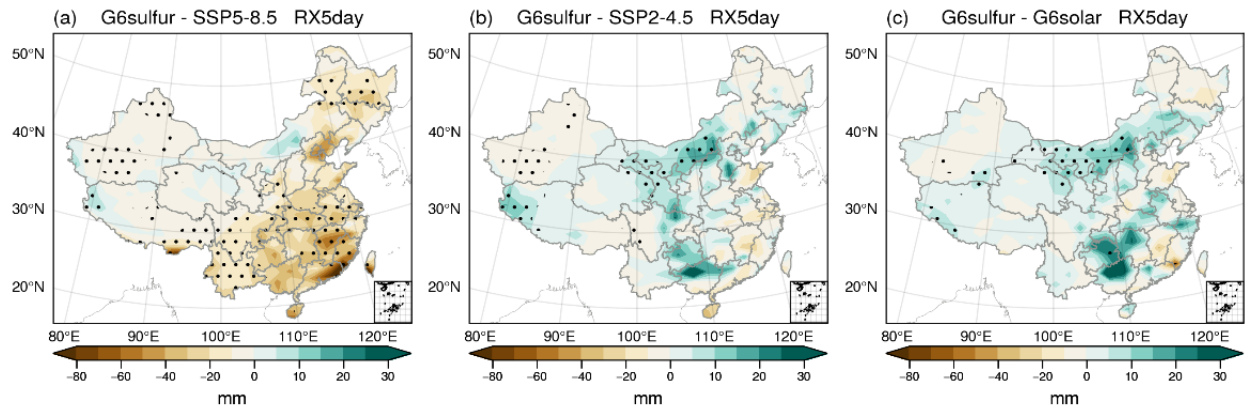
Figure S3. Differences in RX5day for the future period of 2071 – 2100 between G6sulfur and SSP5-8.5 (a), SSP2-4.5 (b), and G6solar (c). The dotted areas indicate where the difference is statistically significant at a 95% confidence level using a Wilcoxon rank sum test.

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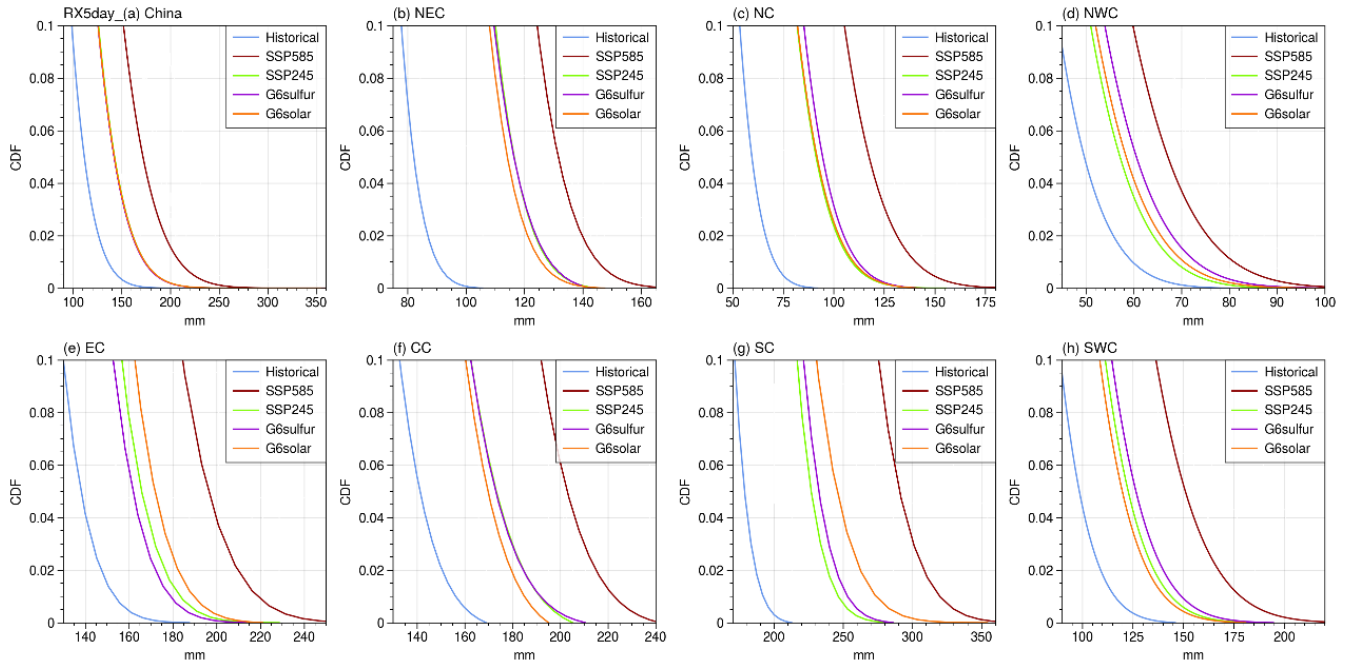
Figure S4. Cumulative distribution functions of RX5day in China and 7 subregions.

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Table S1: Amelioration effect of G6solar in comparison to SSP5-8.5.

	China	NEC	NC	NWC	EC	CC	SC	SWC
RX1day	-	+	-	+	+	+	-	+
RX5day	+	+	+	+	+	+	+	+
R50mm	+	+	+	0	+	+	+	+
CWD	+	+	+	+	-	-	+	+
R95p	+	+	+	+	+	+	+	+
DD	-	-	-	-	-	-	+	-
CDD	-	-	-	-	+	+	+	-