



AMS
American Meteorological Society

Supplemental Material

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Table S1. Mean values of rainfall strength calculated using radius thresholds of 100 (RS100), 150 (RS150), and 200 (RS200) km, and correlation coefficients between them.

		RS100	RS150	RS200
	Mean (mm h ⁻¹)	4.21	3.50	2.88
TRMM	Correlation with RS150	1	0.94	0.85
	Correlation with RS200	0.94	1	0.97
	Mean	5.28	4.31	3.46
IMERG	Correlation with RS150	1	0.94	0.84
	Correlation with RS200	0.94	1	0.96

Fig. S1. Correlation coefficients between rainfall strength (RS) and the seven environmental variables plus Vmax. The F3, F5, F7, and F10 indicate results when 3-, 5-, 7-, and 10-days low-pass filtering was applied to environmental conditions, respectively. The R5, and R10 indicate results when 500- and 1,000-km-radius thresholds were applied to environmental conditions, respectively.

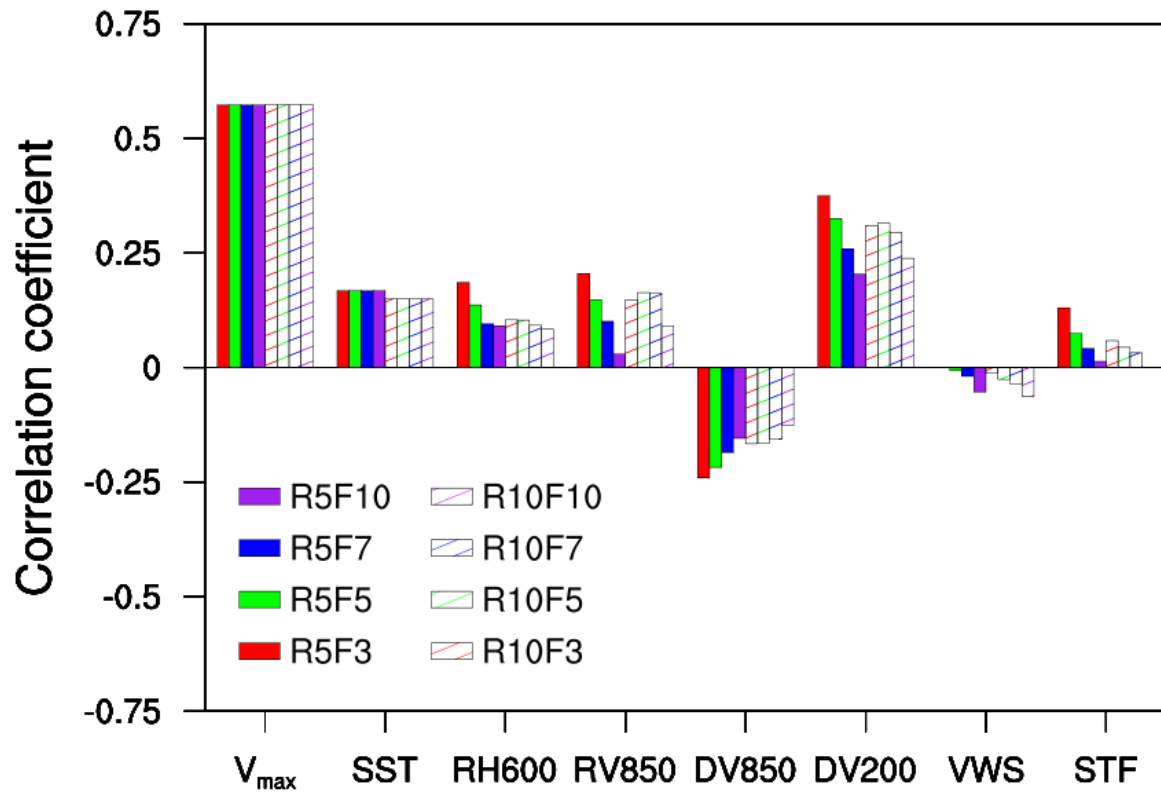


Fig. S2. As in Fig. S1, but for the rainfall area (RA).

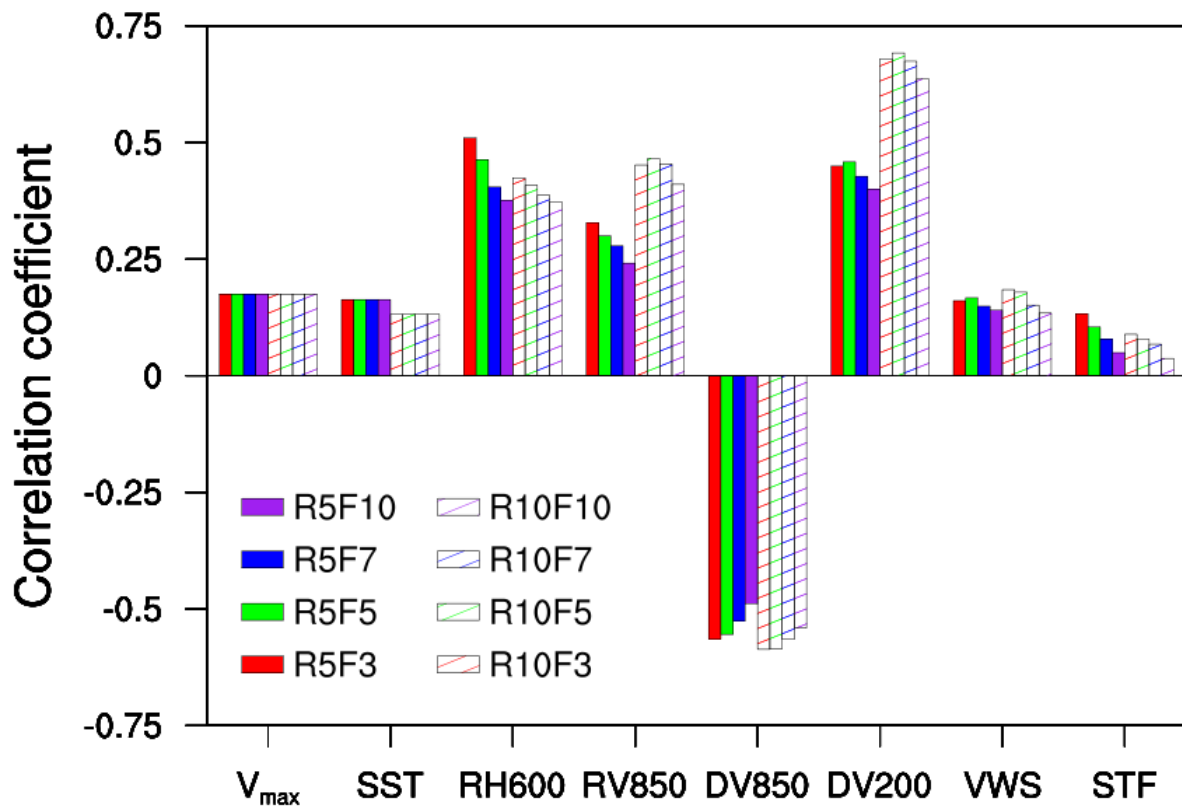


Fig. S3. As in Fig. 1, but for the strong tropical cyclones (above category 1; blue color). Tropical cyclones in the tropical storm stage are displayed in gray.

