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Article

Simulated changes in tropical cyclone size, accumulated cyclone energy and power dissipation index in a warmer climate.

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Supplemental tables

Table S1. Chavas radius (km) for wind speeds thresholds from the CAM5.1 preindustrial simulation (NATURAL) as a function of instantaneous Saffir-Simpson categorization.

	r_0	r_1	r_2	r_3	r_4	r_5
Category						
1	80.3	31.4	-	-	-	-
2	102.0	40.8	27.6	-	-	-
3	117.7	50.6	33.7	28.1	-	-
4	137.3	61.0	43.4	34.5	28.5	-
5	167.3	76.2	54.7	45.5	36.0	27.7

Table S2. Chavas radius (km) for wind speeds thresholds from the CAM5.1 1.5°C above preindustrial simulation (HAPPI1.5) as a function of instantaneous Saffir-Simpson categorization.**Table S1. Chavas radius (km) for wind speeds thresholds from the CAM5.1 preindustrial simulation (NATURAL) as a function of instantaneous Saffir-Simpson categorization.**

.	r_0	r_1	r_2	r_3	r_4	r_5
Category						
1	81.7	32.0	-	-	-	-
2	102.9	41.3	28.1	-	-	-
3	119.9	51.3	34.2	28.4	-	-
4	139.1	61.3	43.5	34.7	28.5	-
5	168.3	75.0	53.6	44.5	35.2	26.9

Table S2. Chavas radius (km) for wind speeds thresholds from the CAM5.1 1.5°C above preindustrial simulation (HAPPI1.5) as a function of instantaneous Saffir-Simpson categorization.

Table S3. Chavas radius (km) for wind speeds thresholds from the CAM5.1 2°C above preindustrial simulation (HAPPI2.0) as a function of instantaneous Saffir-Simpson categorization.

	r_0	r_1	r_2	r_3	r_4	r_5
Category						
1	81.0	32.0	-	-	-	-
2	102.5	41.2	27.7	-	-	-
3	117.8	50.6	33.8	28.2	-	-
4	136.3	60.4	43.1	34.4	28.3	-
5	168.0	75.6	54.1	44.8	35.4	28.8

Table S3. Chavas radius (km) for wind speeds thresholds from the CAM5.1 2°C above preindustrial simulation (HAPPI2.0) as a function of instantaneous Saffir-Simpson categorization.

Table S4. Chavas radius (km) for wind speeds thresholds from the CAM5.1 3°C above preindustrial simulation (UN-HAPPI3.0) as a function of instantaneous Saffir-Simpson categorization.

	r_0	r_1	r_2	r_3	r_4	r_5
Category						
0	49.3	-	-	-	-	-
1	79.5	31.7	-	-	-	-
2	103.1	41.4	27.9	-	-	-
3	118.6	50.9	33.8	28.0	-	-
4	137.4	61.0	43.4	34.6	28.2	-
5	160.5	73.2	52.7	43.8	34.7	27.5

Table S4. Chavas radius (km) for wind speeds thresholds from the CAM5.1 3°C above preindustrial simulation (UNHAPPI3.0) as a function of instantaneous Saffir-Simpson categorization.