

Supplementary Material

Influence of Typhoons on Chemical Makeup of Rainwater in Zhanjiang, China

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Table S1. Information on typhoons from May 2015 to April 2019.

Typhoon	Duration	Generation site	Decay site	Landing site	Landing time	Rainfall (mm)	Wind speed (m/s)
Kujira	2015.06.19–2015.06.25	15.0°N 112.2°E	22.4°N 105.9°E	18.9°N 110.5°E	06:22:19	31.3	16.44
Linfa	2015.07.01–2015.07.10	13.4°N 129.8°E	21.4°N 111.2°E	22.9°N 116.0°E	07:09:13	7.07	7.60
Vamco	2015.09.13–2015.09.15	15.6°N 112.9°E	14.3°N 105.8°E	15.6°N 108.5°E	09:14:22	35.4	17.07
Mujigae	2015.09.30–2015.10.05	12.6°N 126.4°E	23.6°N 108.2°E	21.1°N 110.6°E	10:04:13	336.05	17.16 (47.40)
Melor	2015.12.10–2015.12.17	7.1°N 145.2°E	12.5°N 120.1°E	12.6°N 125.2°E	12:14:11	64.7	14.15
Nepartak	2016.07.02–2016.07.10	8.3°N 145.1°E	26.4°N 116.7°E	24.7°N 118.7°E	07:09:14	353.7	7.12
Mirinae	2016.07.25–2016.07.28	17.2°N 114.7°E	22.0°N 104.9°E	18.7°N 110.5°E	07:26:22	10.6	9.10
Nida	2016.07.29–2016.08.03	11.7°N 127.1°E	25.0°N 107.9°E	22.5°N 114.5°E	08:02:04	17.69	11.70
Dlanmu	2016.08.15–2016.08.19	21.7°N 117.0	21.2°N 102.5°E	20.6°N 110.2°E	08:18:16	304.2	9.47
Rai	2016.09.11–2016.09.13	12.3°N 114.3°E	16.1°N 103.5°E	15.9°N 108.4°E	09:13:05	2.8	6.46
Meranti	2016.09.09–2016.09.17	13.7°N 141.7°E	33.2°N 125.2°E	24.5°N 118.3°E	09:15:03	12.4	12.27
Megi	2016.09.22–2016.09.29	15.4°N 141.1°E	26.5°N 117.2°E	24.1°N 121.5°E 25.0°N 118.9°E	09:27:15 09:28:05	141.5	9.40
Aere	2016.10.04–2016.10.10	19.2°N 130.0°E	22.1°N 118.0°E	not landed		10.6	10.62
Sarika	2016.10.13–2016.10.19	12.9°N 129.4°E	22.4°N 108.0°E	15.7°N 121.8°E 18.8°N 110.4°E 17.6°N 122.3°E	10:16:02 10:18:10 10:19:23	299.0	/
Haima	2016.10.14–2016.10.26	7.4°N 144.5°E	27.8°N 145.4°E	22.8°N 115.1°E	10:21:13		/
Tokage	2016.11.24–2016.11.28	9.7 °N 126.8°E	17.1°N 118.7°E	10.1°N 126.0°E	11:24:17	7.1	21.10
Merbok	2017.06.10–2017.06.13	13.0°N 119.0°E	25.5°N 115.7°E	22.5°N 114.5°E	06:12:23	46.0	10.67
Talas	2017.07.14–2017.07.17	16.0°N 114.1°E	19.5°N 100.4°E	18.6°N 105.7°E	07:17:03	419.3	14.22
Roke	2017.07.21–2017.07.23	18.6°N 124.3°E	22.9°N 110.5°E	22.4°N 114.3°E	07:23:10		/
Sonca	2017.07.21–2017.07.29	17.5°N 114.7°E	18.0°N 103.6°E	17.1°N 107.0°E	07:25:17	14.2	/

Nesat	2017.07.25–2017.07.30	12.8°N 129.2°E	25.0°N 116.0°E	24.7°N 121.8°E 25.3°N 119.8°E	07:29:20 07:30:05		/
Haitang	2017.07.27–2017.08.02	19.2°N 117.8°E	34.1°N 116.2°E	22.5°N 120.5°E 22.5°N 119.6°E	07:30:18 07:31:03		/
Hato	2017.08.19–2017.08.25	19.1°N 130.1°E	23.6°N 99.5°E	22.0°N 113.2°E	08:23:13		/
Pakhar	2017.08.24–2017.08.28	14.9°N 128.9°E	24.1°N 108.0°E	16.4°N 121.7°E 22.0°N 113.0°E	08:25:23 08:27:09	294.6	/
Mawar	2017.08.30–2017.09.04	18.9°N 122.0°E	23.5°N 113.2°E	22.9°N 115.9°E	09:03:22		
Guchol	2017.09.03–2017.09.07	16.1°N 131.8°E	24.7°N 119.4°E	not landed		100.7	7.40
Doksuri	2017.09.10–2017.09.16	14.3°N 130.0°E	18.6°N 101.0°E	14.7°N 121.4°E 17.8°N 106.5°E	09:12:11 09:15:12	57.8	11.58
Khanun	2017.10.11–2017.10.16	15.5°N 134.0°E	34.8°N 141.1°E	18.1°N 122.6°E 20.6°N 110.5°E	10:13:02 10:16:03	256.5	18.40
Haikui	2017.11.07–2017.11.13	10.1°N 134.2°E	17.5°N 110.5°E	13.5°N 122.2°E	11:09:17	31.8	13.50
Kirogi	2017.11.16–2017.11.19	7.1°N 123.6°E	11.0°N 109.6°E	7.3°N 122.5°E 11.6°N 108.8°E	11:17:02 11:19:17	10.6	14.40
Ewinlar	2018.06.02–2018.06.11	14.2°N 112.0°E	24.9°N 125.3°E	20.6°N 110.4°E 20.0°N 110.3°E	06:06:07 06:06:15	263.8	11.18
Gaemi	2018.06.13–2018.06.21	21.6°N 117.1°E	41.0°N 154.1°E	22.7°N 120.1°E	06:15:18	23.0	8.10
Son-Tinh	2018.07.16–2018.07.24	18.4°N 125.3°E	23.6°N 107.6°E	18.8°N 110.5°E	07:18:05	350.0	11.77
Bebinca	2018.08.09–2018.08.17	19.9°N 111.6°E	19.8°N 100.3°E	20.7°N 110.3°E	08:15:22	242.3	/
Mangkhut	2018.09.06–2018.09.17	11.8°N 170.2°E	24.1°N 103.9°E	18.0°N 122.4°E 21.9°N 112.5°E	09:15:02 09:16:17	149.6	/
Barijat	2018.09.08–2018.09.13	20.5°N 121.8°E	22.0°N 109.9°E	21.4°N 110.3°E	09:13:00		/
Toraji	2018.11.16–2018.11.18	10.0°N 112.5°E	11.8°N 108.2°E	11.8°N 108.2°E	11:18:12	13.1	/

Usagi	2018.11.13–2018.11.26	9.2°N 156.7°E	12.0°N 104.0°E	10.0°N 124.4°E	11:21:02	32.7	6.60
				10.3°N 106.7°E	11:25:14		

Note: The bold line denotes super typhoon Mujigae. /: Wind speed not available.