**Weather Situation Report**

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| Date of Heavy Rain Event | 17 Mar 2018 |
| Onset of Rain | 12.00 am |
| Period of Heaviest Rain | 12.00 am - 12.00 am |
| Affected Areas | Mainly over southern, western and central Singapore |
| Cause of Weather: |  |
| Highest Total Rainfall Recorded (mm) / Location | 72.1 / Jurong West Street 42 as at 5.39 pm |
| Highest Rainfall in 60min (mm) / Period / Location | 70.8 / Jurong West Street 42 / 4.35 pm - 5.35 pm  63.2 / Corporation Road / 4.35 pm - 5.35 pm  46.4 / Old Choa Chu Kang Road / 4.35 pm - 5.35 pm  43.6 / Choa Chu Kang Road / 4.35 pm - 5.35 pm |
| Highest Rainfall in 30min (mm) / Period / Location | 49.3 / Jurong West Street 42 / 4.50 pm - 5.20 pm  48.4 / Corporation Road / 5.00 pm - 5.30 pm  37.6 / Old Choa Chu Kang Road / 4.55 pm - 5.25 pm  34.2 / Choa Chu Kang Road / 4.50 pm - 5.20 pm  21.5 / Jurong West Street 73 / 5.05 pm - 5.35 pm  15.2 / Nanyang Avenue / 5.05 pm - 5.35 pm |
| Maximum Wind Gusts (km/h) / Location(s) / Time | 43.89 / Old Choa Chu Kang Road / 5.05 pm  40.37 / West Coast Highway / 5.12 pm |
| Flood Reports from Police/PUB: |  |
| Forecast |  |
| Remarks | Nil |

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| **Issued on 17 Mar 2018 at 5.54 pm by Meteorological Service Singapore** |
| Notes:  The weather situation report is issued only when:   * Rainfall in 60 minutes recorded is 70 mm or more (or 35 mm or more in 30 minutes); and/or * Wind speeds of greater than 55 km/h are recorded; and/or * There are ad-hoc requests by agencies eg. PUB |

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| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Rainfall (mm)\*** | | | | | **Number of Rain days\*\*** | | | | | Month | Average | Highest (yyyy) | Lowest (yyyy) | Highest in 1 day++ (dd / yyyy) | Avg | Max (yyyy) | Min (yyyy) | | | Mar | 183.2 | 528.3 (1913) | 6.2 (2016) | 122.8 (08 / 2004) | 13.5 | 23 (1945) | 3 (1983) | | | | \*    Period of record: 1869 – 2016 (148 years) | | | | | | | | | | \*\*  Period of record: 1891 – 2016 (126 years) | | | | | | | | | | ++ Period of record: 1929 – 1941 & 1948 – 2016 (82 years) | | | | | | | | | |  |  |  |  |  |  |  |  |  | | **Years in which highest rainfall record (for the respective durations) occurred in Mar (mm)#** | | | | | | | | | | Duration (hr) | 0.25 | 0.5 | 1 | 2 | 3 | 6 | 12 | 24 | | Amount | 47 | 58 | 76 | 113 | 113 | 113 | 113 | 123 | | Day | 25 | 25 | 28 | 10 | 10 | 10 | 10 | 8 | | Year | 1973 | 1973 | 1970 | 1961 | 1961 | 1961 | 1961 | 2004 | | #   Period of record: 1935 – 1941 & 1948 – 2015 (76 years) | | | | | | | | | | **Extreme Rainfall on record #** | | | | | | | | | |  | | Highest in a day | | | | Highest 1-hr duration | | | | Rainfall (mm) | | 512.4 | | | | 147 | | | | Date | | 2-Dec-78 | | | | 2-Nov-95 | | | | #   Period of record: 1935 – 1941 & 1948 – 2015 (76 years) | | | | | | | | | | **Extreme Wind Speed on record #** | | | | | | | | | | Maximum Wind Gust\* | | | | | | | | | | Date | | Speed (km/h) | | | | Direction | | | | 25-Apr-84 | | 144.4 | | | | 280 | | | | # Period of record: 1955 –2016 (62 years) \* Recorded at Tengah Station | | | | | | | | | | **Extreme Wind Speed on record #** | | | | | | | | | | Highest 10min Mean Wind | | | | | | | | | | Date | | Speed (km/h) | | | | Direction | | | | 23-Feb-85 | | 63.7 | | | | 322 | | | | # Period of record: 1973 –2016 (44 years) \* Recorded at Tengah Station | | | | | | | | | |
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