**Weather Situation Report**

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| Date of Heavy Rain Event | 19 Jan 2018 |
| Onset of Rain | 12.12 pm |
| Period of Heaviest Rain | 3.15 pm - 4.16 pm |
| Affected Areas | Mainly over eastern and central Singapore |
| Cause of Weather: | Strong solar heating of land areas coupled with convergence of winds in the surrounding region led to development of thundery showers over Singapore. |
| Highest Total Rainfall Recorded (mm) / Location | 67.9 / Coronation Walk as at 5.59 pm |
| Highest Rainfall in 60min (mm) / Period / Location | 63.1 / Coronation Walk / 4.40 pm - 5.40 pm  55.4 / Bukit Panjang Road / 4.50 pm - 5.50 pm  42.6 / Old Toh Tuck Road / 4.50 pm - 5.50 pm |
| Highest Rainfall in 30min (mm) / Period / Location | 51.6 / Bukit Panjang Road / 5.15 pm - 5.45 pm  41 / Coronation Walk / 4.40 pm - 5.10 pm  36.2 / Old Toh Tuck Road / 4.50 pm - 5.20 pm  31 / Towner Road / 4.30 pm - 5.00 pm  27.2 / Lornie Road / 4.15 pm - 4.45 pm  27.2 / Circuit Road / 4.25 pm - 4.55 pm |
| Maximum Wind Gusts (km/h) / Location(s) / Time | 37.41 / Clementi Road / 5.38 pm  37.41 / Woodlands Avenue 9 / 3.53 pm |
| Flood Reports from Police/PUB: |  |
| Forecast |  |
| Remarks | Nil |

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| **Issued on 19 Jan 2018 at 5.02 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) | | | Jan | 239.4 | 818.6 (1893) | 15.4 (1997) | 216.2 (30 / 2011) | 15.1 | 26 (1927) | 3 (1976) | | | | \*    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 Jan (mm)#** | | | | | | | | | | Duration (hr) | 0.25 | 0.5 | 1 | 2 | 3 | 6 | 12 | 24 | | Amount | 32 | 57 | 81 | 101 | 118 | 166 | 193 | 223 | | Day | 13 | 19 | 19 | 19 | 19 | 30 | 20 | 29 | | Year | 2008 | 2004 | 2004 | 2004 | 2004 | 2011 | 1980 | 2011 | | #   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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