## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 136

## Country: Solomon Islands

## TABLE 1: Monthly Rainfall

| Station (include data period) | Oct-2018 | Nov-2018 | Dec-2018 | | | | |
|---|---|---|---|---|---|---|---|
| | | | Total (mm) | 33%tile | 67%tile | Median | Rank |
| | Total (mm) | Total (mm) | Rainfall (mm) | | | | |
| Auki (1962-2018) | 227.6 | 227.1 | 401.1 | 210.5 | 317.8 | 264.0 | 48/55 |
| Henderson (1975-2018) | 37.3 | 70.0 | 360.8 | 116.5 | 250.1 | 174.6 | 37/44 |
| Honiara (1954-2018) | 55.2 | 61.5 | 397.2 | 136.8 | 259.7 | 178.9 | 57/63 |
| Kirakira (1965-2018) | 256.2 | 367.8 | 423.2 | 208.2 | 350.4 | 251.1 | 39/51 |
| Lata (1975-2018) | 179.2 | 628.6 | 495.2 | 302.3 | 409.9 | 356.6 | 35/44 |
| Munda (1962-2018) | 202.0 | 245.4 | 354.5 | 216.6 | 323.6 | 279.4 | 49/57 |
| Taro (1975-2018) | 315.0 | 350.4 | 160.2 | 163.0 | 240.7 | 199.2 | 13/44 |

## TABLE 2: Three-month Rainfall for October to December 2018

| Station | Three-month Total | | 33%tile | 67%tile | Median | Rank | SCOPIC forecast probabilities* based on NINO3.4 July-August 2018 | | | | Verification: Consistent, Near-consistent, Inconsistent? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rainfall (mm) | | | | | | B-N | N | A-N | LEPS | |
| Auki (1962-2018) | 855.8 | Above normal | 620.5 | 794.9 | 695.8 | 39/55 | 39 | 36 | 25 | 11 | Inconsistent |
| Henderson (1975-2018) | 468.1 | Normal | 347.8 | 499.6 | 424.6 | 26/44 | 36 | 35 | 29 | 6 | Near-consistent |
| Honiara (1954-2018) | 513.9 | Normal | 384.5 | 572.8 | 446.5 | 35/61 | 40 | 40 | 20 | 13 | Near-consistent |
| Kirakira (1965-2018) | 1047.2 | Above normal | 671.2 | 838.8 | 728.8 | 40/50 | 35 | 34 | 31 | 1 | Inconsistent |
| Lata (1975-2018) | 1303.0 | Above normal | 985.3 | 1207.6 | 1091.0 | 34/44 | 36 | 31 | 33 | 14 | Inconsistent |
| Munda (1962-2018) | 801.9 | Normal | 716.0 | 816.3 | 762.2 | 34/57 | 38 | 34 | 28 | 11 | Near-consistent |
| Taro (1975-2018) | 825.6 | Above normal | 647.6 | 799.7 | 711.6 | 28/39 | 35 | 36 | 29 | 13 | Near-consistent |

## TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2019

**Predictor and Period used: NINO3.4 for November to December 2018**

| Station | Below Median (prob) | Median Rainfall (mm) | Above Median (prob) | | LEPS (%) [whole numbers] | Hit-rate (%) [whole numbers] |
|---|---|---|---|---|---|---|
| Auki (1962-2018) | 53 | 1026.1 | 47 | | -1 | 53 |
| Henderson (1975-2018) | 76 | 717.2 | 24 | | 24 | 75 |
| Honiara (1954-2018) | 72 | 795.3 | 28 | | 15 | 66 |
| Kirakira (1965-2018) | 69 | 989.6 | 31 | | 13 | 68 |
| Lata (1975-2018) | 79 | 1171.2 | 21 | | 24 | 70 |
| Munda (1962-2018) | 46 | 1044.3 | 54 | | -1 | 47 |
| Taro (1975-2018) | 56 | 813.2 | 44 | | -1 | 57 |

| Station | Below Normal (prob) | 33%ile Rainfall (mm) | Normal (prob) | 67%ile Rainfall (mm) | Above Normal (prob) | LEPS (%) [whole numbers] | Hit-rate (%) [whole numbers] |
|---|---|---|---|---|---|---|---|
| Auki (1962-2018) | 36 | 914.5 | 26 | 1109.1 | 38 | -2 | 32 |
| Henderson (1975-2018) | 44 | 622.5 | 36 | 814.4 | 20 | 8 | 48 |
| Honiara (1954-2018) | 54 | 684.4 | 31 | 864.2 | 15 | 15 | 48 |
| Kirakira (1965-2018) | 52 | 836.6 | 37 | 1102.2 | 11 | 19 | 58 |
| Lata (1975-2018) | 47 | 1049.4 | 44 | 1276.0 | 9 | 18 | 40 |
| Munda (1962-2018) | 21 | 952.8 | 38 | 1134.0 | 41 | 4 | 26 |
| Taro (1975-2018) | 37 | 769.7 | 44 | 930.5 | 19 | 3 | 45 |

## TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2019

| Station | Below Normal (prob) | 33%ile Rainfall (mm) | Normal (prob) | 67%ile Rainfall (mm) | Above Normal (prob) |
|---|---|---|---|---|---|
| Honiara | 73 | 642.0 | 9 | 801.0 | 18 |
| Kirakira | 85 | 711.0 | 6 | 1066.0 | 9 |
| Lata | 73 | 1010.0 | 15 | 1192.0 | 12 |
| Munda | 67 | 937.0 | 9 | 1260.0 | 24 |
| Taro | 64 | 793.0 | 9 | 944.0 | 27 |

## Summary Statements

**Rainfall for December 2018:**

Above-normal rainfall was recorded at Auki, Henderson, Honiara and Kirakira in the central region, Lata in the eastern region and at Munda in the western region. Taro in the western region recorded below-normal.

**Accumulated rainfall for October to December 2018, including outlook verification:**

Normal rainfall was recorded for Henderson and Honiara in the central region, and Munda in the western region. Above-normal rainfall was observed at Auki and Kirakira in the central region, Lata in the eastern region and Taro in the western region.

**Outlooks for February to April 2019:**

**1. SCOPIC:**

The outlook favours below-normal rainfall for Henderson, Honiara, Kirakira and Lata with normal as the next most likely outcome. Above-normal is the least likely.

At Taro, the outlook indicates normal as the most likely, with below-normal the next most likely.

The forecast for Munda shows near equal likelihood of above-normal and normal-rainfall. Below-normal is the least likely.

The outlook is mixed for Auki, with near-equal likelihood of above-normal and below-normal rainfall.

**2. POAMA:**

The outlook favours below normal rainfall for Honiara and Kirakira in the central region, Lata in the eastern region, and Munda and Taro in the western region.

**Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders**

| Country | Date: November 2018 | Stakeholder | Total Number of Participants | Number of male | Number of female |
|---|---|---|---|---|---|
| Solomon Islands | November 2018 | Ministry of Health - **Vector Borne Division (note: Direct engagement with this sector** | 1 | 1 | 0 |
| Solomon Islands | November 2018 | Red Cross | 1 | 1 | 0 |
| | | NDMO | 3 | 3 | 0 |
| | | Ministry of Agriculture | 2 | 2 | 0 |
| | | SIBC | 1 | 1 | 0 |
| | | Hydrology | 1 | 1 | 0 |
| | | Solomon Star | 1 | 0 | |
| | | PaoaFM | 1 | 1 | 0 |
| | | World Vision | 1 | 0 | 1 |
| | | Goldridge Mining | | | |
| | | Ministry of Mines and Energy | 1 | 1 | 0 |

**NB: The X LEPS % score has been categorised as follows:**

Very Low: X < 0.0 Low: 0 ≤ X < 5 Moderate 5 ≤ X < 10 Good: 10 ≤ X < 15 High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35