

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 118

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

| Station (include data period) | June 2017 | | | | | | |
|-------------------------------|------------------|----------------|------------|-----------------------|-----------------------|----------------------|----------|
| | April 2017 Total | May 2017 Total | Total | 33%tile Rainfall (mm) | 67%tile Rainfall (mm) | Median Rainfall (mm) | Ranking |
| Auki (1962 – 2017) | 374 | 218 | 239 | 134 | 207 | 171 | 41 of 55 |
| Henderson (1975 – 2017) | 382 | 30 | 161 | 46 | 88 | 63 | 40 of 43 |
| Honiara (1954 – 2017) | 407 | 96 | 185 | 53 | 103 | 78 | 58 of 62 |
| Kirakira (1965 – 2017) | 581 | 269 | 392 | 184 | 289 | 241 | 44 of 51 |
| Lata (1975 – 2017) | 347 | 471 | 554 | 242 | 342 | 290 | 42 of 43 |
| Munda (1962 – 2017) | 223 | 260 | 490 | 189 | 272 | 230 | 55 of 56 |
| Taro (1975 – 2017) | 304 | 354 | 258 | 222 | 308 | 248 | 23 of 42 |

**TABLE 2: Three-monthly Rainfall
April to June 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #114]

| Station | Three-month Total | 33%tile Rainfall (mm) | 67%tile Rainfall (mm) | Median Rainfall (mm) | Ranking | Forecast probs.* (include LEPS) | Verification* (Consistent, Near-consistent, Inconsistent?) |
|-------------------------|-------------------|-----------------------|-----------------------|----------------------|----------|----------------------------------|--|
| Auki (1962 – 2017) | 831 | 596 | 711 | 661 | 46 of 55 | 33/ 34 /33(-0.8) | Near Consistent |
| Henderson (1975 – 2017) | 573 | 302 | 370 | 338 | 37 of 42 | 33/ 34 /34(5.9) | Near Consistent |
| Honiara (1954 – 2017) | 688 | 330 | 470 | 376 | 57 of 62 | 32/ 38 /30(17.1) | Near Consistent |
| Kirakira (1965 – 2017) | 1242 | 700 | 944 | 814 | 45 of 51 | 34/ 39 /27(19.3) | Near Consistent |
| Lata (1975 – 2017) | 1372 | 850 | 1061 | 967 | 41 of 42 | 34/ 37 /29(15.6) | Near Consistent |
| Munda (1962 – 2017) | 973 | 710 | 857 | 784 | 45 of 56 | 32/ 34 / 34 (-2.8) | Consistent |
| Taro (1975 – 2017) | 916 | 767 | 886 | 841 | 30 of 40 | 34 / 34 /32(-0.5) | Near Consistent |

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2017 Outlooks: 1 month NINO3.4 Extended SST Anomalies February 2017.

* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

TABLE 3: Seasonal Climate Outlooks using SCOPIC from August to October 2017.

Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies June 2017.

| Station | Below Median (prob) | Median Rainfall (mm) | Above Median (prob) | | LEPS | Hit-rate |
|-----------|---------------------|----------------------|---------------------|--|------|----------|
| Auki | 55 | 613 | 45 | | -1.3 | 58.8 |
| Henderson | 57 | 282 | 43 | | 1.1 | 57.1 |
| Honiara | 48 | 302 | 52 | | -1.3 | 44.1 |
| Kirakira | 60 | 770 | 40 | | 5.9 | 55.2 |
| Lata | 53 | 1079 | 47 | | -2.2 | 45.7 |
| Munda | 57 | 752 | 43 | | 1.2 | 45.7 |
| Taro | 52 | 853 | 48 | | -2.9 | 46.9 |

| Station | Below Normal (prob) | 33%ile rainfall (mm) | Normal (prob) | 66%ile rainfall (mm) | Above Normal (prob) | LEPS | Hit-rate |
|-----------|---------------------|----------------------|---------------|----------------------|---------------------|------|----------|
| Auki | 41 | 534 | 30 | 701 | 29 | 0.4 | 26.5 |
| Henderson | 41 | 245 | 31 | 323 | 28 | 0.1 | 28.6 |
| Honiara | 36 | 254 | 35 | 363 | 29 | 0.4 | 26.5 |
| Kirakira | 46 | 654 | 32 | 951 | 22 | 9.3 | 37.9 |
| Lata | 39 | 930 | 33 | 1148 | 28 | 1.0 | 40.0 |
| Munda | 43 | 682 | 31 | 818 | 26 | 5.2 | 31.4 |
| Taro | 40 | 803 | 30 | 908 | 30 | 0.8 | 34.4 |

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2017.

| Station | Lower Tercile (prob) | 33%ile rainfall (mm) | Middle Tercile (prob) | 66%ile rainfall (mm) | Upper Tercile (prob) | | |
|----------|----------------------|----------------------|-----------------------|----------------------|----------------------|--|--|
| Honiara | 45 | 243 | 12 | 363 | 43 | | |
| Kirakira | 36 | 539 | 12 | 878 | 52 | | |
| Lata | 18 | 824 | 21 | 1115 | 61 | | |
| Munda | 52 | 670 | 6 | 801 | 42 | | |
| Taro | 46 | 753 | 21 | 890 | 33 | | |

Summary Statements

June Rainfall 2017.

Rainfall in June was mainly above normal.

Accumulated rainfall for April to June 2017, including outlook verification:

Rainfalls for the last three months were above normal across country.

Verification of 3 month outlooks issued in March 2017 were mainly near-consistent.

Outlooks for August to October 2017:

1. SCOPIC:

The outlook shows below normal rainfall is the most likely across the country, with normal the next most likely.

2. POAMA:

Shows below normal is the most likely at Honiara, Munda and Taro, while at Kira Kira and Lata above normal is the most likely outcome for August to October.

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$

Exceptional: $X \geq 35$