## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 145

Country: Palau

**TABLE 1: Monthly Rainfall** 

|                               | Jul-2019      | Jul-2019 Aug- |               | Sep-2019 |                 |        |       |  |
|-------------------------------|---------------|---------------|---------------|----------|-----------------|--------|-------|--|
| Station (include data period) |               | 2019          | Total<br>(mm) | 33%tile  | 33%tile 67%tile | Median | Rank  |  |
|                               | Total<br>(mm) | Total<br>(mm) |               | Nank     |                 |        |       |  |
| Koror Airport (1947-2019)     | 382.0         | 480.3         | 221.9         | 275.8    | 377.6           | 330.1  | 17/68 |  |
|                               |               |               |               |          |                 |        |       |  |
|                               |               |               |               |          |                 |        |       |  |

Present rainfall totals to 1 decimal place

**TABLE 2: Three-month Rainfall for July to September 2019** 

| Station                   | Three-r | month Total | 33%tile     | 67%tile | Median | Rank  |                | SCOPIC forecast probabilities based on NINO3.4 April -May 2019 |    | Verification: Consistent,<br>Near-consistent,<br>Inconsistent? |                 |
|---------------------------|---------|-------------|-------------|---------|--------|-------|----------------|--|----|--|-----------------|
|                           |         | R           | ainfall (mm | 1)      |        |       | B-N N A-N LEPS |  |    | inconsistent:  |                 |
| Koror Airport (1947-2019) | 1084.2  | Normal      | 1001.8      | 1256.0  | 1083.6 | 35/68 | 37             | 22   | 41 | -1   | Near-consistent |
|                           |         |             |             |         |        |       |                |  |    |  |                 |

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2019 to January 2020 Predictor and Period used: NINO3.4 for August to September 2019

| Station                       | Below<br>Median<br>(prob) | Median<br>Rainfall<br>(mm) | Above<br>Median<br>(prob) | LEPS (%)<br>[whole<br>numbers] | Hit-rate<br>(%)<br>[whole<br>numbers] |
|-------------------------------|---------------------------|----------------------------|---------------------------|--------------------------------|---------------------------------------|
| Koror Airport (1947-<br>2019) | 56                        | 888.2                      | 44                        | 22                             | 72                                    |
|                               |                           |                            |                           |                                |                                       |

| Station                       | Below<br>Normal<br>(prob) | 33%ile<br>Rainfall<br>(mm) | Normal<br>(prob) | 67%ile<br>Rainfall<br>(mm) | Above<br>Normal<br>(prob) | LEPS (%)<br>[whole<br>numbers] | Hit-rate<br>(%)<br>[whole<br>numbers] |
|-------------------------------|---------------------------|----------------------------|------------------|----------------------------|---------------------------|--------------------------------|---------------------------------------|
| Koror Airport (1947-<br>2019) | 32                        | 768.1                      | 41               | 967.5                      | 27                        | 37                             | 58                                    |
|                               |                           |                            |                  |                            |                           |                                |                                       |

## **TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2019 to January 2020**

| tation        | Below<br>Normal<br>(prob) | 33%ile<br>Rainfall<br>(mm) | Normal<br>(prob) | 67%ile<br>Rainfall<br>(mm) | Above<br>Normal<br>(prob) |
|---------------|---------------------------|----------------------------|------------------|----------------------------|---------------------------|
| Koror Airport | 39                        | 731.0                      | 21               | 1004.0                     | 40                        |
|               |                           |                            |                  |                            |                           |

## **Summary Statements**

**Rainfall for September 2019**: Rainfall for September 2019 was 221.9mm which fell below normal or below the 33% percentile of 275.8mm. The monsoon trough and associated Invest areas (93W and 95W) together provided 105.2mm of rain on two separate days in the first week in September. Otherwise, rainfall totals may have been far below normal.

**Accumulated rainfall for July to September 2019, including outlook verification:** Koror recorded normal rainfall for the past three months. The verification of the outlook issued in June is near-consistent as it showed above normal as the most likely outcome.

## Outlooks for November 2019 to January 2020:

- 1. **SCOPIC:** The outlook for next three months shows normal as the most likely outcome, with below normal as the next mostly likely. Above normal is the least likely.
- **2. POAMA:** The outlook for the November to January period is mixed as it shows a near-equal likelihood of above normal and below normal rainfall. Normal is the least likely.

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

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$ 

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

| Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders |
|--|
| No data to input in this table.  |
|  |
|  |
|  |

| Product                        | Date:<br>September<br>2019 | Stakeholder | Total Number of Participants | Number of male | Number of female |
|--------------------------------|----------------------------|-------------|------------------------------|----------------|------------------|
| Climate<br>Bulletin            |                            |             |                              |                |                  |
| EAR Watch                      |                            |             |                              |                |                  |
| Monthly<br>Climate<br>Briefing |                            |             |                              |                |                  |
| Ocean Bulletin                 |                            |             |                              |                |                  |
|                                |                            | Total       |                              |                |                  |