

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 154

Country: Niue

### TABLE 1: Monthly Rainfall

| Station (include data period) | Apr-2020   | May-2020   | Jun-2020      |         |         |        |        |
|-------------------------------|------------|------------|---------------|---------|---------|--------|--------|
|                               |            |            | Total (mm)    | 33%tile | 67%tile | Median | Rank   |
|                               | Total (mm) | Total (mm) | Rainfall (mm) |         |         |        |        |
| Hanan Airport (1905-2020)     | 507.0      | 359.2      | 134.7         | 55.9    | 125.5   | 89.2   | 89/115 |
|                               |            |            |               |         |         |        |        |



**TABLE 2: Three-month Rainfall for April to June 2020**

| Station                   | Three-month Total |              | 33%tile | 67%tile | Median | Rank    | SCOPIC forecast probabilities<br>based on NINO3.4 January - February 2020 |    |     |      | Verification:<br>Consistent,<br>Near-consistent,<br>Inconsistent? |
|---------------------------|-------------------|--------------|---------|---------|--------|---------|---|----|-----|------|---|
|                           | Rainfall (mm)     |              |         |         |        |         | B-N   | N  | A-N | LEPS |   |
| Hanan Airport (1905-2020) | 1000.9            | Above normal | 354.5   | 524.0   | 441.9  | 112/114 | 39  | 30 | 31  | 3    | Inconsistent  |



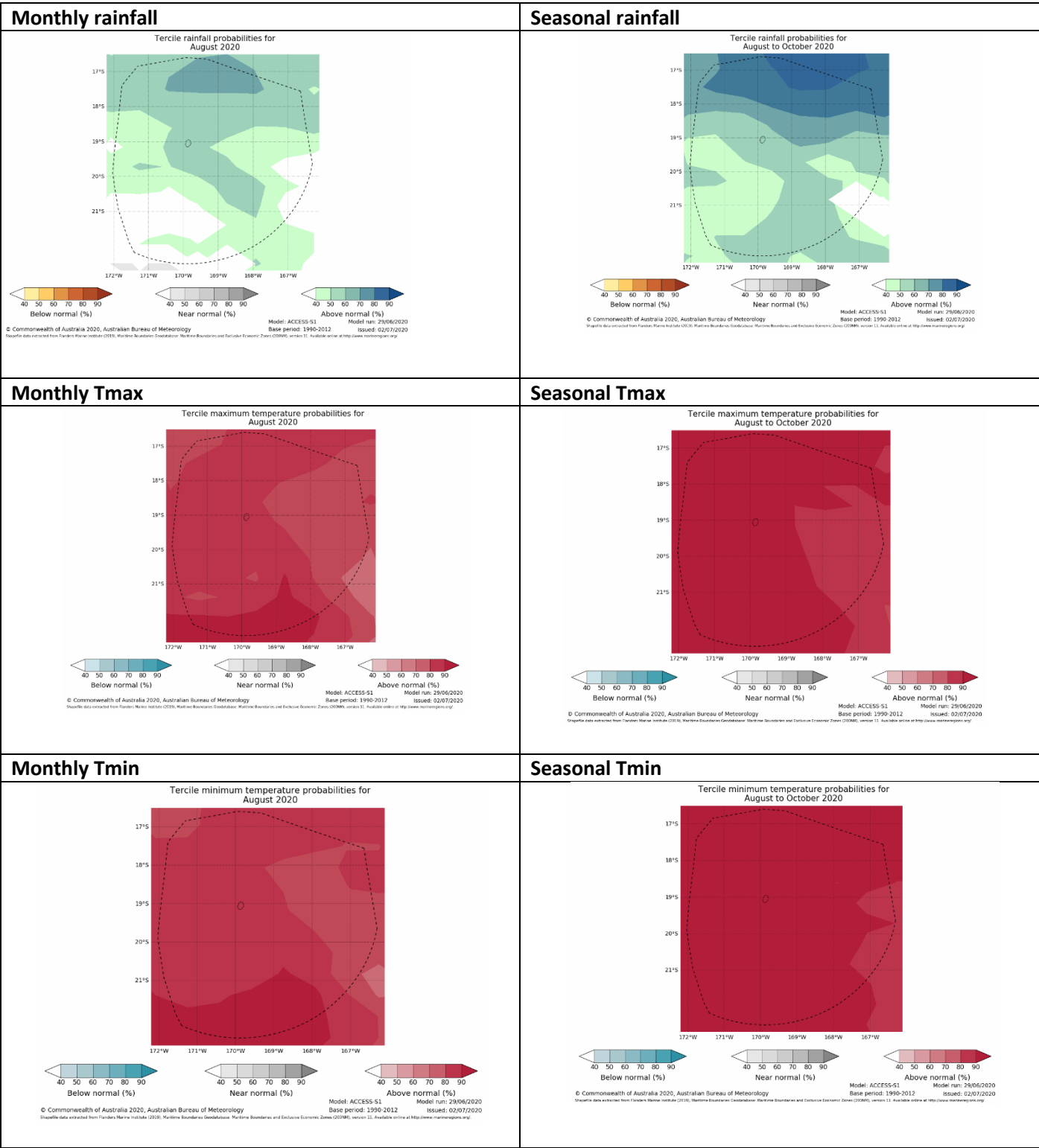
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2020****Predictor and Period used: NINO3.4 for May to June 2020**

| 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] |
|---------------------------|---------------------------|----------------------------|---------------------------|--|--------------------------------|---------------------------------------|
| Hanan Airport (1905-2020) | 48                        | 334.2                      | 52                        |  | 4                              | 61                                    |
|                           |                           |                            |                           |  |                                |                                       |

| 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] |
|---------------------------|---------------------------|----------------------------|------------------|----------------------------|---------------------------|--------------------------------|---------------------------------------|
| Hanan Airport (1905-2020) | 30                        | 253.2                      | 35               | 446.3                      | 35                        | 3                              | 41                                    |
|                           |                           |                            |                  |                            |                           |                                |                                       |



# Monthly and Seasonal Climate Outlooks using ACCESS-S for August to October 2020





## **Summary Statements**

### **Rainfall for June 2020:**

Hanan Airport's rainfall was above normal.

### **Accumulated rainfall for April to June 2020, including outlook verification:**

The accumulated rainfall for April to June was above normal, with the forecast issued in March being verified as inconsistent.

### **Outlooks for August to October 2020:**

#### **1. SCOPIC:**

The outlook for August to October offers little guidance as the chances of above normal, normal and below normal are similar.

#### **2. ACCESS-S:**

##### **Monthly rainfall:**

The outlook favours wetter than average for the month of August.

##### **Monthly maximum and minimum temperatures:**

The outlook favours above normal temperatures for August.

##### **Seasonal rainfall:**

The outlook favours wetter than average for the next three months.

##### **Seasonal maximum and minimum temperatures:**

The outlook favours warmer than average for the August to October period.

**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:  $X \geq 35$



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

| Product                        | Date:<br>June<br>2020 | Stakeholder             | Total Number<br>of Participants | Number of<br>male | Number of<br>female |
|--------------------------------|-----------------------|-------------------------|---------------------------------|-------------------|---------------------|
| Climate<br>Bulletin            | 4/06/2020             | General<br>public       | 40                              | 20                | 20                  |
|                                | 18/06/2020            | Stakeholders            | 20                              | 15                | 5                   |
|                                |                       | Government<br>Officials | 20                              | 10                | 10                  |
|                                |                       | Village<br>Council      | 14                              | 7                 | 7                   |
| EAR Watch                      |                       |                         |                                 |                   |                     |
| Monthly<br>Climate<br>Briefing | 17/06/2020            | Stakeholders            | 20                              | 15                | 5                   |
|                                |                       | Weather<br>group        | 20                              | 5                 | 15                  |
|                                |                       | Government<br>Officials | 20                              | 10                | 10                  |
|                                |                       | Government<br>all staff | 30                              | 15                | 15                  |
| Ocean Bulletin                 |                       |                         |                                 |                   |                     |
| <b>Total</b>                   |                       |                         | 184                             | 97                | 87                  |