# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 178

**Country: Niue** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

| Station (include data period) | Apr-<br>2022  | May-<br>2022  | Jun-2022      |         |         |        |        |
|-------------------------------|---------------|---------------|---------------|---------|---------|--------|--------|
|                               |               |               | Total<br>(mm) | 33%tile | 67%tile | Median | Rank   |
|                               | Total<br>(mm) | Total<br>(mm) | Rainfall (mm) |         |         |        | Naiik  |
| Hanan Airport (1905-2022)     | 236.1         | 138.8         | 141.1         | 59.4    | 107.0   | 81.3   | 90/117 |

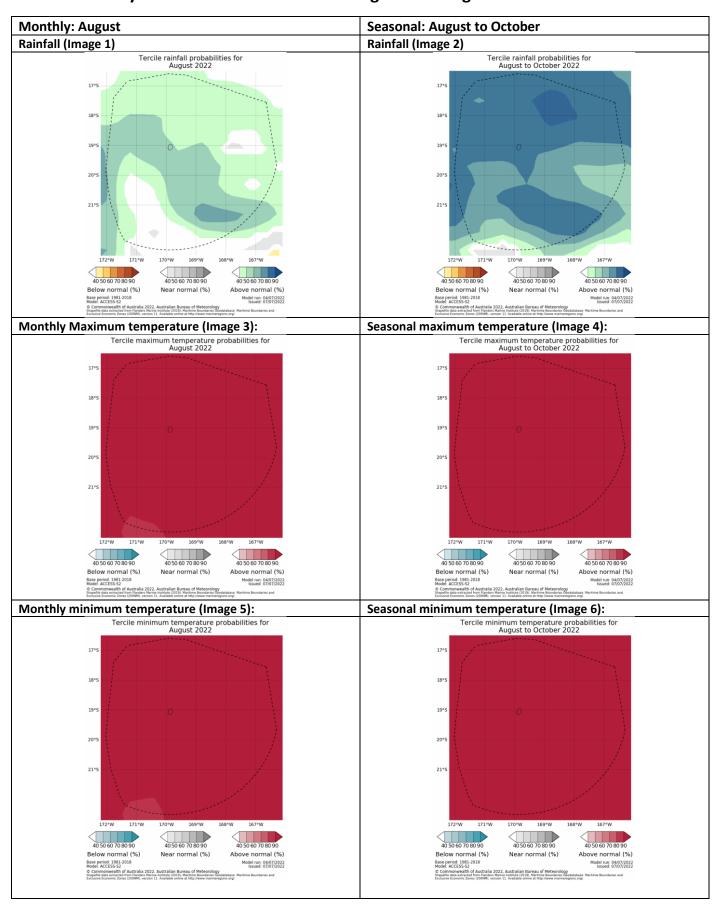
**TABLE 2: Three-month Total Rainfall for April to June 2022** 

| Station                       | Three-month Total |        | 33%tile    | 67%tile | Median | Rank   |  |
|-------------------------------|-------------------|--------|------------|---------|--------|--------|--|
|                               |                   | Rai    | nfall (mm) |         |        |        |  |
| Hanan Airport (1905-<br>2022) | 516.0             | Normal | 355.3      | 526.7   | 443.0  | 78/116 |  |
|                               |                   |        |            |         |        |        |  |

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

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

## Part 1i. Monthly and Seasonal Outlooks for August and August to October 2022



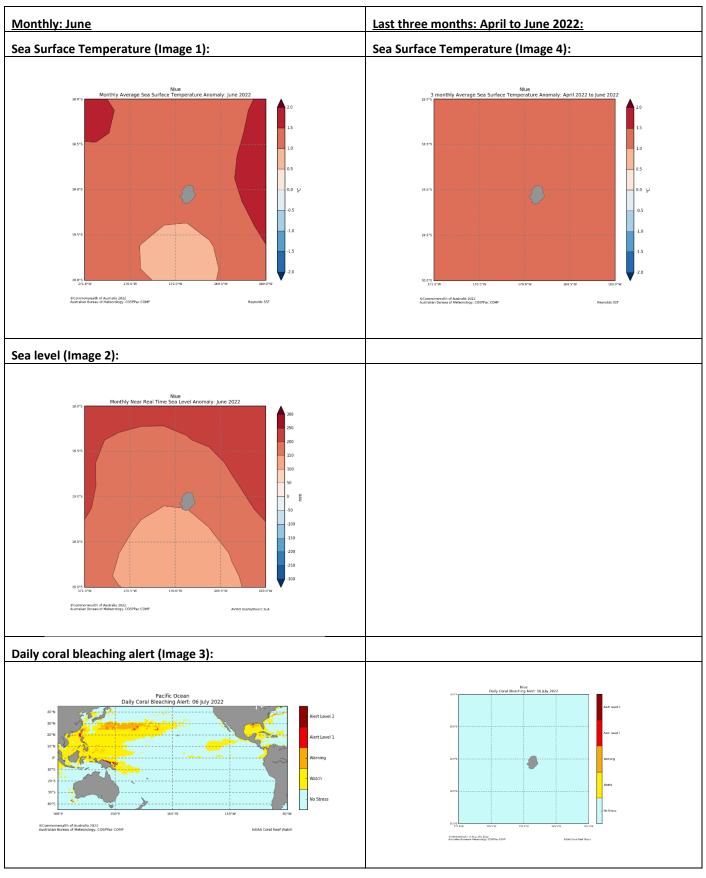
NB: The X LEPS % score has been categorised as follows:

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25 \qquad \qquad Low: \ 0 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad Good: \ 1$ 

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

## **Part 2: Recent Ocean observations**

### Monthly: June 2022

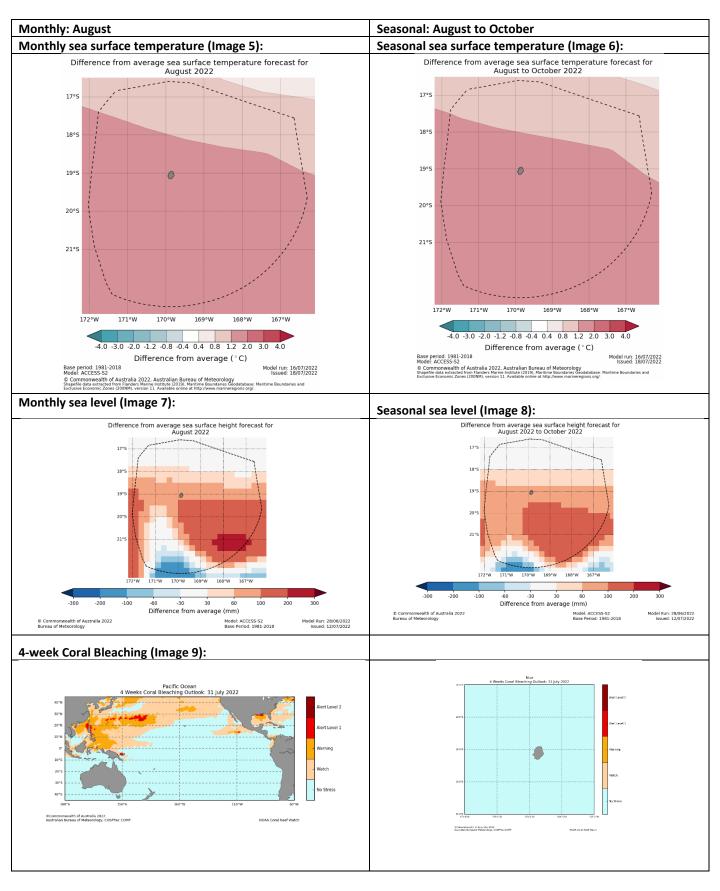


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## Part 2i. Monthly and Seasonal Outlooks for August and August to October 2022



#### 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

## **Summary Statement**

#### Monthly and last three months: June 2022/April to June 2022 statement (Highly significant changes)

Hanan Airport's monthly rainfall for June was above normal, and the rainfall for April to June was normal.

## Part 1i. Monthly and Seasonal Outlooks for August and August to October 2022

#### Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

The rainfall outlook for Niue for August shows rainfall is likely to be above normal, while rainfall for August to October 2022 is very likely to be above normal. Maximum and Minimum monthly and seasonal temperatures are very likely to be above normal.

### Part 2: Recent Ocean summary statement

### Monthly and last three months: June/April to June 2022 (Highly significant changes)

For June and the last three months, the sea surface temperatures around Niue were 1.0 - 1.5 degrees Celsius above normal. Above normal sea level was also observed in June, with most of Niue's EEZ having anomalies in the +150 to +250 mm range. Across the south, however, weaker +50 to +150 mm anomalies occurred. Coral bleaching is on 'No Stress' status for Niue.

## Part 2i. Monthly and Seasonal Outlooks for August and August to October 2022

#### Ocean Variable statement (Highly significant changes)

The outlook for Niue shows a significant temperature difference of up to 2.0 degrees Celsius warmer than average for August and over the months August to October.

Apart from the far north and far south of the country, the August outlook indicates above normal sea levels by about 30 to 200 mm. In the far north of the Niue EEZ, sea levels are expected to be close to average, while in the south the outlook indicates sea levels below normal by about 30 to 100 mm.

The outlook for August to October paints a very similar picture of sea level anomalies.

sCoral bleaching outlook has a "No stress" alert status for Niue.

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

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

| Product                     | Date:<br>June<br>2022 | Stakeholder  | Total<br>Number of<br>Participants | Number of males | Number of females |
|-----------------------------|-----------------------|--|------------------------------------|-----------------|-------------------|
| Climate Bulletin            | 30/06/2022            | <ul> <li>Private Sector</li> <li>Government<br/>Officials</li> <li>Government staff</li> <li>Stakeholders</li> </ul> | 65                                 | 30              | 35                |
| EAR Watch                   |                       |  |                                    |                 |                   |
| Monthly Climate<br>Briefing |                       |  |                                    |                 |                   |
| Ocean Outlook               |                       |  |                                    |                 |                   |
| Climate data request        |                       |  |                                    |                 |                   |
|                             |                       | Total  | 65                                 | 30              | 35                |

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