# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 192

**Country: Palau** 

Part 1: Recent climate

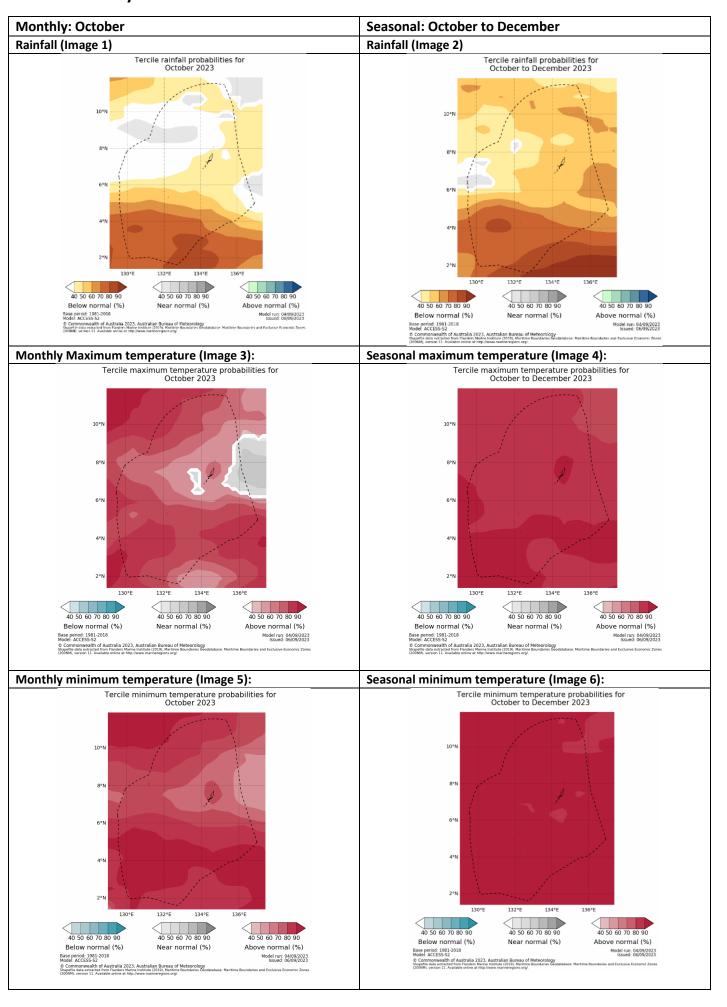
**TABLE 1: Monthly Rainfall** 

	Jun-2023	Jul-2023	Aug-2023				
Station (include data period)			Total (mm)	33%tile   67%tile   N	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)				
Koror (1951-2023)	373.6	717.8	456.4	321.8	427.7	349.0	59/73

**TABLE 2: Three-month Total Rainfall for June to August 2023** 

Station	Three-r	Three-month Total		67%tile	Median Rar	
	Rainfall (mm)					
Koror (1951-2023)	1547.8	Above normal	708.8	870.4	768.0	66/72

## Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

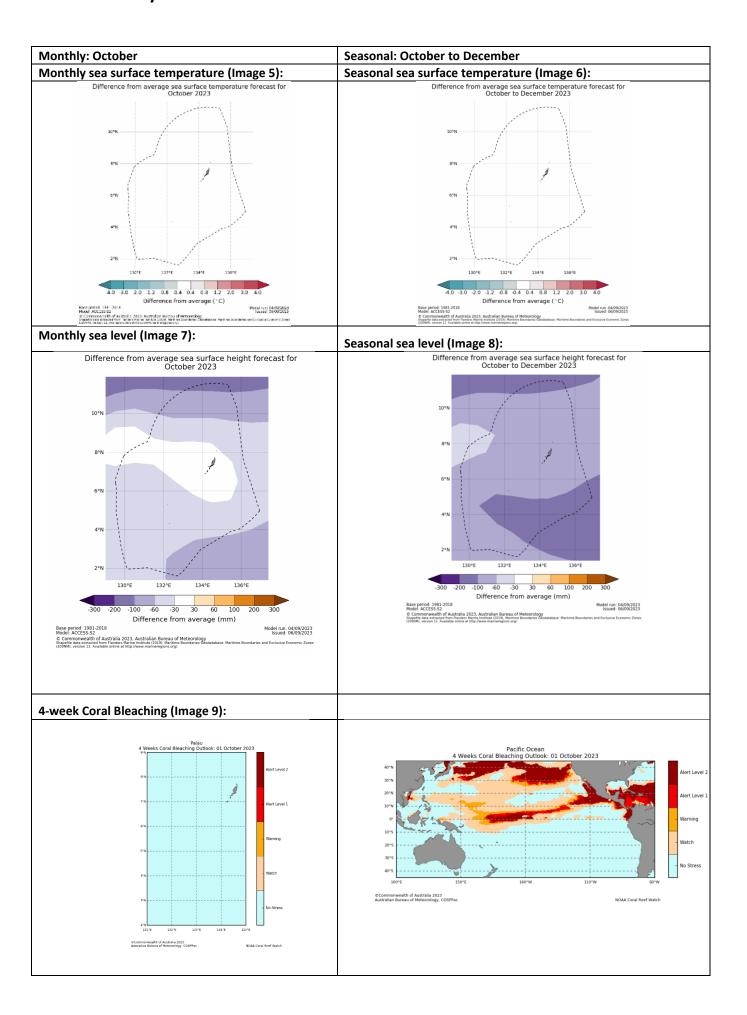


## **Part 2: Recent Ocean Observation**

## Monthly/Three months: June and June to August 2023

Monthly: August	Last three months: June to August 2023:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
Monthly Average Sea Surface Temperature Anomaly: August 2023 2.0 1.5 1.0 0.5 0.0 p  1.5 1.0 2.0 1.5 2.0 1.5 2.0 1.5 2.0 1.5 2.0 1.5 3.0 2.0 1.5 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3 monthly Average Sea Surface Temperature Anomaly: June 2023 to August 2023  15  10  05  00 \$\text{y}\$  133°C 333°C 133°C 133°C 134°C 134°C 136°C Repeated of Retrieval of Ret
Sea level (Image 2):	
Monthly Near Real Time Sea Level Anomaly: August 2023  97  97  97  97  97  97  97  97  97  9	
Daily Coral bleaching alert (Image 3):  Daily Coral Bleaching Alert: 05 September 2023  Alert Level 2  Alert Level 1  Warning  Sconoromeash of outstills 2023 Australian Durasu of Meteorology, COSPTSC  NOAA Coral heef Watch	Pacific Ocean Daily Coral Bleaching Alert: 05 September 2023  Alert Level 2 Alert Level 1  Warning Watch 100°E 100

## Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023



### **Summary Statement**

### Monthly and last three months: August 2023/June to August 2023 statement

The rainfall for August and June to August was above normal at Koror. The June to August total was the seventh highest in 72 years of record.

## Part 1i. Monthly and Seasonal Outlooks for October and October to December 2023

#### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for October and October to December is likely to be below normal over the main islands, grading to very likely over the southwest islands. Maximum and minimum temperatures during October and averaged over October to December are very likely to be above normal over Palau.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: August 2023/June to August 2023

August ocean temperatures were 0.0 to 0.5°C below normal for majority of the main islands and 0.5 to 1.0°C above normal for the southwest islands.

Averaged over June to August, ocean temperatures around the outermost southwest islands were 0.5 to 1.0°C above normal and the main islands were up to 0.5°C.

August sea levels around Palau were 50mm to 100mm above normal.

Coral bleaching alert status is at a 'Watch' for Palau.

### Part 2i. Monthly and Seasonal Outlooks for October and October to December 2023

#### **Ocean Variable statement**

October ocean temperatures around Palau are predicted to be near-normal.

Averaged over October to December, ocean temperatures around are predicted to be near-normal.

October sea levels around the southwest islands are predicted to be 30mm to 60mm below normal and near-normal for the main islands.

Averaged over October to December, sea levels around Palau are predicted to be 60mm to 100mm below normal.

Coral bleaching outlook for the next four weeks is at 'No Stress'.

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

Product	Date: August 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from your Stakeholders)
WFO Guam and PRH station visit and inventory check.	1	WSO Palau	14	6	8	WFO Guam=National Weather Service Forecast Office Guam, PRH=Pacific Region Headquarters, WSO Palau=Palau National Weather Service Office
Rock Island trip and scenic observations.	2	PRH, WFO Guam and WSO Palau	16	8	8	
"Organizational Health Blueprint" training by PRH	3	WSO Palau	14	6	8	
Weather update video on the monsoon event in Palau	5	NWS Micronesia WhatsApp participants; observers and forecasters	23	4	19	NWS=National Weather Service
AWS meeting	7	EPSs and Governors of Aimeliik and Koror	3	3	0	AWS=Automated Weather Station, EPS=Electronic Program Specialist
EAR Watch	8	WSO Palau & Social Media	15+	10	5	Hearts: 2 Likes: 5 Share: 1 Post Impressions: 616 Reached: 583 Engagement: 63
AWS site location inspection in Ngeremlengui	8	EPSs	2	2	0	
UN Dept. of Safety and Security visit at WSO Palau	9	Field Associate, IOM rep, Staff MET, Admin Assistant, WSS on shift	4	1	3	IOM=International Organization of Mitigation, WSS=Weather Service Specialist/observer
UNDP meeting with EPSs, NEMO reps for Peleliu AWS installation	14-18	EPS, NEMO and UNDP rep	7	7	0	NEMO=National Emergency Management Office. UNDP=United Nations Development Programme. A week of work on AWS installation.
Enhancing Climate Information and Knowledge Services for Resilience in 5 Pacific countries (UNEP CIS-Pac5)	23	MIC, Staff MET, AA and Programme coordinator for UNEP project	5	0	5	MIC=Meteorologist in Charge/Director, AA=Administrative Assistant, and UNEP=United Nations Environnent Programme
Climate data request; Koror data: Jan 2020-July 2023 and Airai 2004 to 2023	24-25	Coral Reef Research Foundation; Director, Lab Manager/Research Biologist, Boatman/Collector, Research biologists, Associate Research Biologists, Research assistants, Mapping Specialist, GIS Analysist	11	6	5	
Enhancing Climate Information and	25	MIC, Staff MET, AA and Programme coordinator	8	0	8	

Knowledge Services for Resilience in 5 Pacific countries (UNEP CIS-Pac5) meeting		for UNEP project, Technical Advisor for GCF/UNEP Pacific Climate Resilience Programme for the Red Cross Red Crescent Climate Center and UNEP Project Manager Unit under ROP Bureau of Budget and Planning				
UNEP Project meeting	28	Similar partners listed above	6	0	6	
Climate Bulletin & Outlook	28	WSO Palau & Social Media	15+	10	5	Hearts: 1 Likes: 1 Shares: 1 Post Impressions: 382 Reached: 367 Engagement: 27
Ocean Bulletin & Outlook	28	WSO Palau & Social Media	15+	10	5	Climate & Ocean Bulletin and Outlooks are a one pager, back to back. Sharing same stats above.
Total			158	73	85	EAR Watch, social media stats: Hearts: 2 Likes: 5 Share: 1 Post Impressions: 616 Reached: 583 Engagement: 63 Climate & Ocean Bulletin & Outlook, social media stats: Hearts: 1 Likes: 1 Shares: 1 Post Impressions: 382 Reached: 367 Engagement: 27