Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 179

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

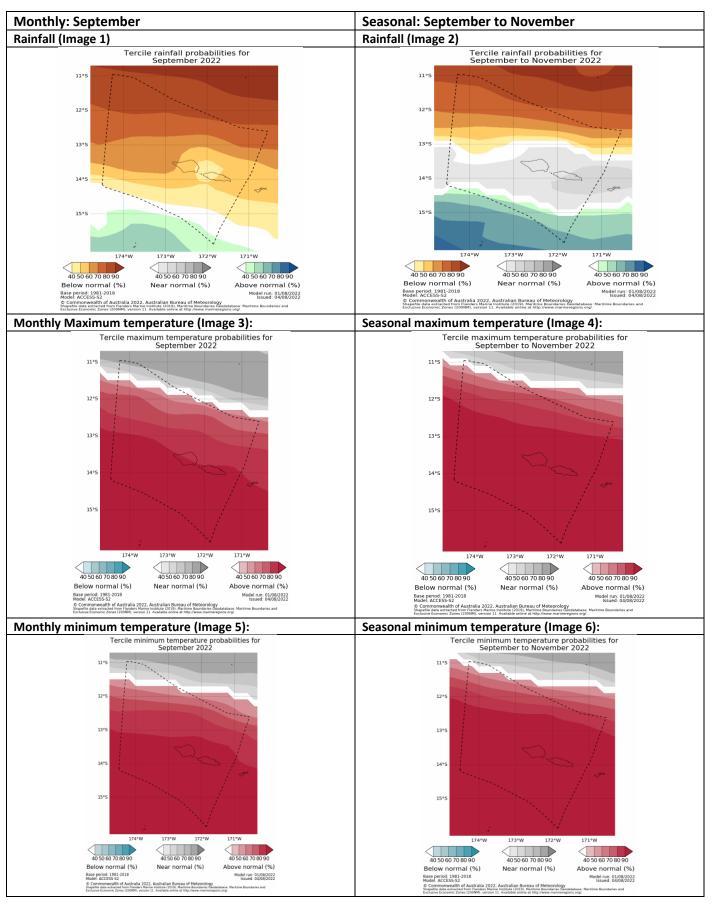
Station (include data period)	May- 2022	Jun-2022	Jul-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nalik
Apia (1890-2022)	167.5	121.1	158.5	89.2	143.9	103.6	106/133
Afiamalu (1903-2022)	254.9	124.0	131.0	147.0	268.8	213.4	20/71
Nafanua (1965-2022)	208.2	88.9	126.4	89.9	171.9	128.0	26/51
Faleolo (1956-2022)	118.6	86.6	69.4	54.8	103.4	75.7	28/62

TABLE 2: Three-month Total Rainfall for May to July 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank	
Apia (1890-2022)	447.1	Normal	395.0	527.0	453.0	78/133	
Afiamalu (1903-2022)	509.9	Below normal	650.9	858.7	751.4	14/68	
Nafanua (1965-2022)	423.5	Below normal	451.1	650.4	527.6	15/50	
Faleolo (1956-2022)	274.6	Normal	274.5	392.1	325.6	21/60	

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

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2022



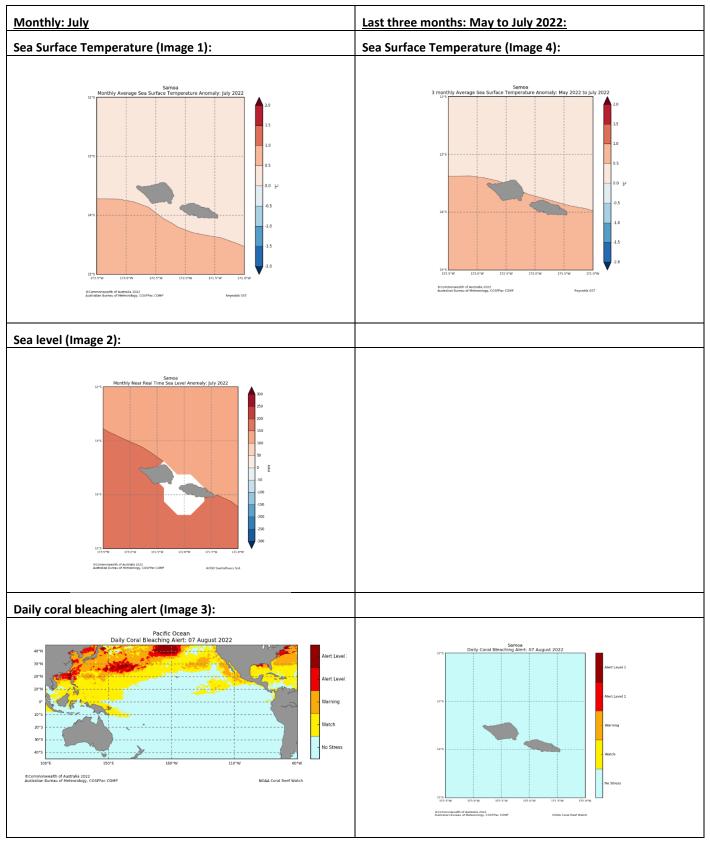
NB: The X LEPS % score has been categorised as follows:

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

Part 2: Recent Ocean Observation

Monthly: July 2022



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

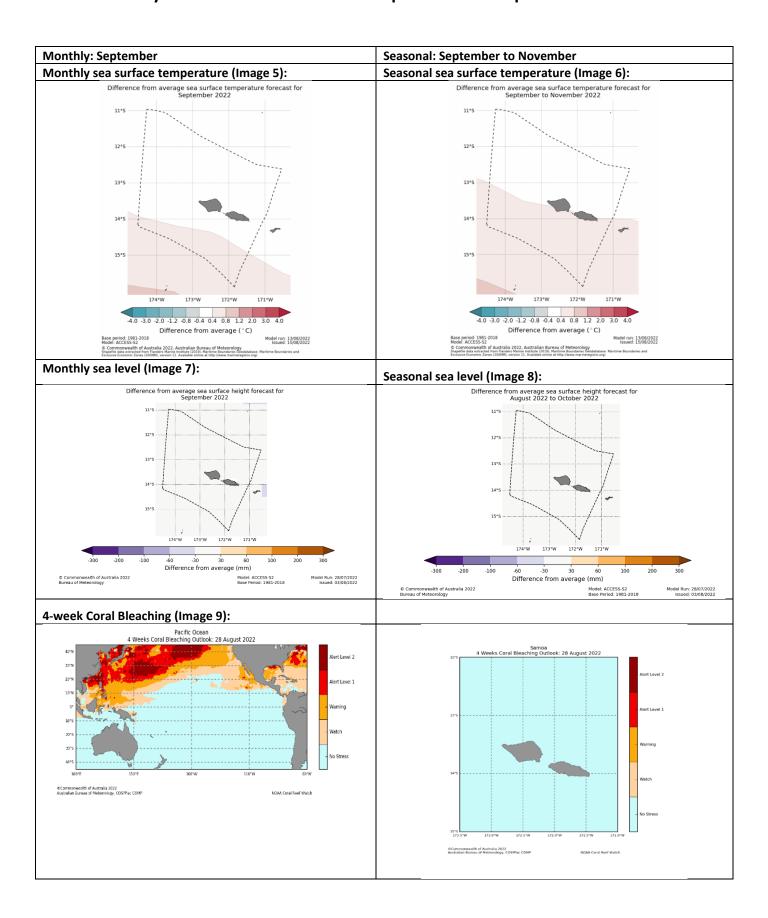
Very Low: X < 0.0

Low: $0 \le X < 5$

Moderate $5 \le X < 10$

Good: $10 \le X < 15$ High: $15 \le X < 25$

Part 2i. Monthly and Seasonal Outlooks for September and September to November 2022



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

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

Summary Statement

Monthly and last three months: July 2022/May to July 2022 statement (Highly significant changes)

Near-normal rainfall was recorded at the Nafanua and Faleolo stations, while Apia registered *above normal* and Afiamalu *below normal* in July 2022.

Near-normal rainfall was recorded at the Apia and Faleolo stations, while Afiamalu and Nafanua registered below normal for the past three months of May to July.

Part 1i. Monthly and Seasonal Outlooks for September and September to November 2022

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

September rainfall is likely to be below normal across Samoa. The September to November seasonal outlook for Samoa shows rainfall is likely to be *near-normal*.

Monthly and seasonal maximum and minimum temperatures are very likely to be above normal across Samoa.

Part 2: Recent Ocean summary statement

Monthly and last three months: July/May to July 2022 (Highly significant changes)

For July and the past three months, May to July, Samoa experienced near to above normal SSTs ranging from 0.0 to 1.0°C.

The sea level anomaly for Samoa in July revealed significant above normal differences of 100 to 200mm.

Coral bleaching alert status is 'No Stress' for Samoa.

Part 2i. Monthly and Seasonal Outlooks for September and September to November 2022

Ocean Variable statement (Highly significant changes)

The monthly and seasonal outlook for Samoa shows sea surface temperatures are likely to be near normal for both September and September to November with temperature ranging from -0.4 to 0.8 degrees Celsius.

The monthly and seasonal outlook for Samoa shows sea surface heights are likely to be normal raging within -30mm to 30mm.

The outlook for Samoa shows no thermal stress for the next four weeks.

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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: July 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	29th	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
EAR Watch	29th	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Monthly Climate Briefing	29th	SAMOA MET	15	10	5
Ocean Outlook	29th	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38

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

		Total	80	37	43
Climate data request	29th	SPREP	N/A	N/A	N/A

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