Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 185

Country: Samoa

Part 1: Recent climate

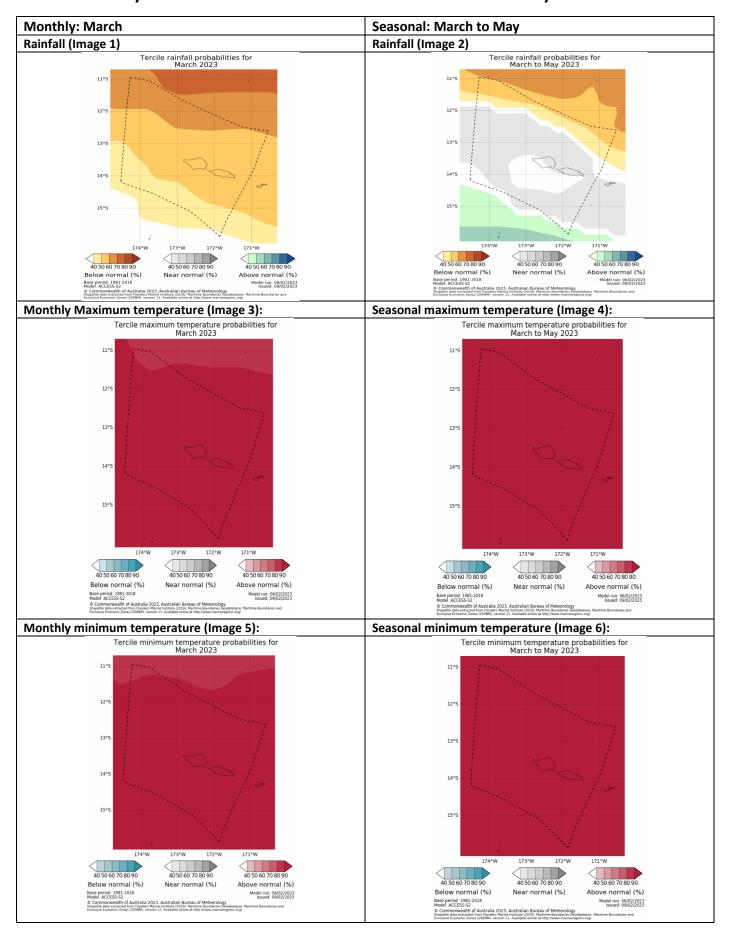
TABLE 1: Monthly Rainfall

	Nov- 2022	Dec-2022	Jan-2023				
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2023)	192.3	313.7	506.5	346.6	489.1	399.6	92/134
Afiamalu (1903-2023)	314.9	816.6	787.5	561.5	815.8	693.3	45/70
Nafanua (1965-2023)	218.5	365.1	518.8	356.8	707.3	446.8	28/49
Faleolo (1956-2023)	197.4	133.4	246.2	217.7	357.5	284.4	27/63

TABLE 2: Three-month Total Rainfall for November 2022 to January 2023

Station	Three-r	month Total	33%tile	67%tile	Median	Rank
Apia (1890-2023)	1012.5	Normal	955.7	1209.0	1056.0	58/132
Afiamalu (1903-2023)	1919.0	Normal	1496.4	2063.2	1814.3	43/68
Nafanua (1965-2023)	1102.4	Normal	1097.2	1496.7	1337.2	16/46
Faleolo (1956-2023)	577.0	Below normal	702.4	897.7	797.1	11/61

Part 1i. Monthly and Seasonal Outlooks for March and March to May 2023

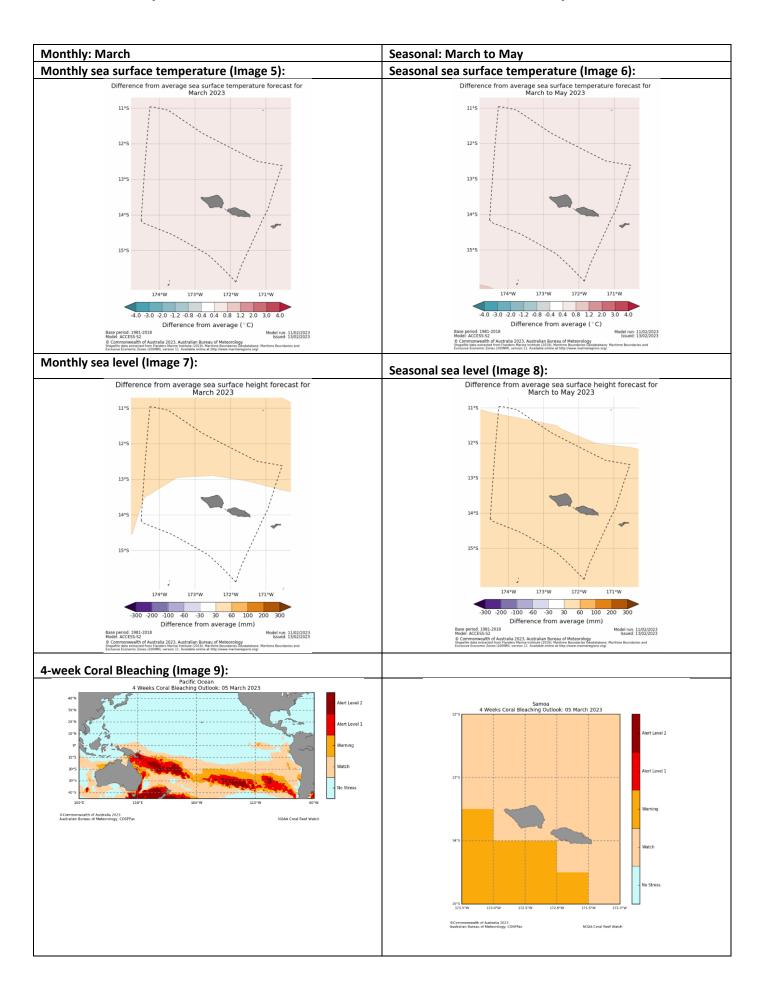


Part 2: Recent Ocean Observation

Monthly/Three months: January 2023 and November 2022 to January 2023

Monthly: January	Last three months: November 2022 to January 2023:			
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):			
Monthly Average Sea Surface Temperature Anomaly: January 2023 15 15 10 23 45 6Commonward of Australia PS13 Australian Suran of Temperature Anomaly: January 2023 15 15 10 23 45 45 45 45 45 45 45 45 45 4	3 monthly Average Sea Surface Temperature Anomaly: November 2022 to January 2023 15 10 15 10 40 40 40 60/semenseable of Astronic 2003 Addresse & Excess of Millersogy, Coottex Reynate SET			
Sea level (Image 2):				
Monthly Near Real Time Sea Level Anomaly: January 2023 250 250 250 150 150 150 150 150 150 150 150 150 1				
Daily coral bleaching alert (Image 3):				
Pacific Ocean Daily Coral Bleaching Alert: 06 February 2023 Alert Level Alert Level Varning Warring Warring Warting Work Occomponentsh of Australia 2023 Australian Burasu of Meteorology, COSPPic NOAA Coral Reef Watch	Daily Coral Bleaching Alert: 06 February 2023 Alert Level 1 Warning Which Witch #Sofress **Commonwealth of Applicable 2022 Annual of Recorregy, COMPAC **ROAA Casal Aced Watch **ROAA Casal			

Part 2i. Monthly and Seasonal Outlooks for March and March to May 2023



Summary Statement

Monthly and last three months: January 2023/November 2022 to January 2023 statement

Above normal rainfall was recorded at Apia Station, while Afiamalu, Nafanua and Faleolo registered near-normal rainfall in January 2023.

The three-monthly November to January rainfall was *below normal* at Faleolo station, while Apia, Nafanua and Afiamalu recorded *near-normal* rainfall.

Part 1i. Monthly and Seasonal Outlooks for March and March to May 2023

Monthly/Seasonal rainfall and temperature Outlook statements

The rainfall for March is likely to be below normal over Samoa.

The rainfall for March to May is likely to be near-normal over the eastern part of Savaii and the whole of Upolu. In the western part of Savaii, the outlook offers little guidance.

Maximum and minimum temperatures during March and averaged over March to May, are very likely to be above normal over Samoa.

Part 2: Recent Ocean summary statement

Monthly and last three months: January 2023/November 2022 to January 2023

January ocean temperatures around Samoa's main islands were up to 0.5°C *near normal*, while temperatures across the southwest and southern parts of the EEZ were between 0.5 and 1.0°C *above normal*.

Averaged over November to January, ocean temperatures around Samoa were very similar to those observed in January.

January sea levels around Samoa were 50 mm to 150 mm above normal.

There is a coral bleaching watch for Samoa.

Part 2i. Monthly and Seasonal Outlooks for March and March to May 2023

Ocean Variable statement

March ocean temperatures around Samoa are predicted to be 0.4°C to 0.8°C above normal.

Averaged over March to May, ocean temperatures around Samoa are predicted to be 0.4°C to 0.8°C above normal.

March sea levels around Samoa are predicted to be near normal.

Averaged over March to May, sea levels around Samoa are predicted to be 30mm to 60mm above normal.

There is a coral bleaching watch for Samoa's main islands, and a warning for the southwest of the EEZ.

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

Product	Date: January 2023	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	25th	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
Seasonal Climate Outlook	25 th	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
Community Program Review	30th	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
		Total	65	27	38