Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 175

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

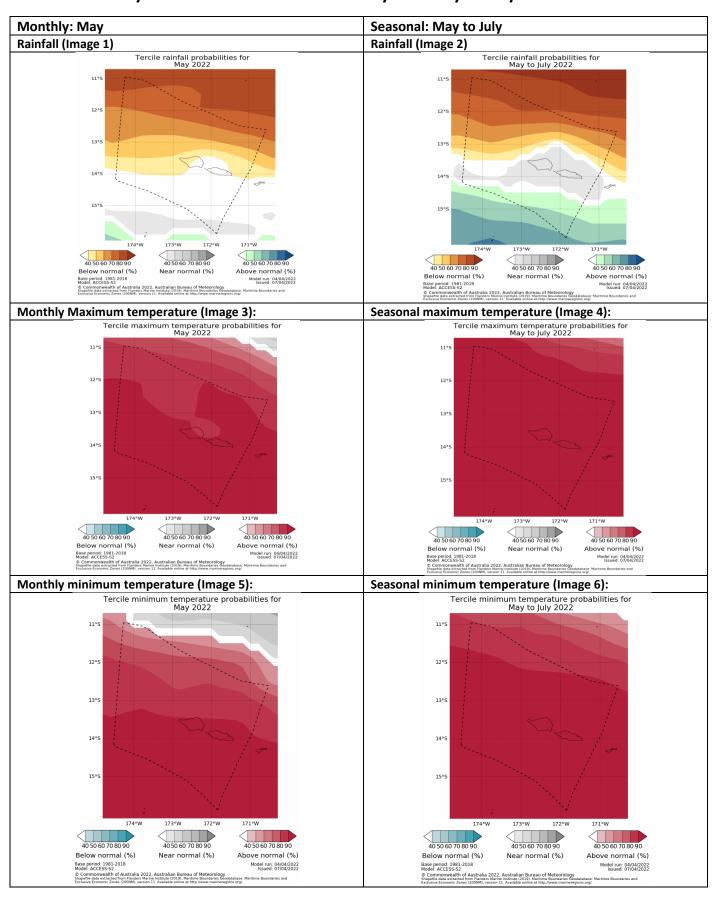
Station (include data period)	Jan-2022	Feb- 2022	Mar-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nank
Apia (1890-2022)	310.3	761.7	198.7	262.0	358.2	305.4	22/133
Afiamalu (1903-2022)	842.2	1054.5	310.2	392.9	584.5	499.4	18/70
Nafanua (1965-2022)	446.1	774.3	235.6	301.0	389.3	340.6	9/50
Faleolo (1956-2022)	237.9	397.2	93.8	170.9	242.9	213.5	4/61

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
Apia (1890-2022)	1270.7	Normal	995.2	1292.3	1101.6	93/133
Afiamalu (1903-2022)	2206.9	Above normal	1683.0	2111.9	1820.5	48/68
Nafanua (1965-2022)	1456.0	Normal	1094.5	1658.4	1303.3	27/48
Faleolo (1956-2022)	728.9	Normal	697.0	898.0	795.8	25/61

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

Part 1i. Monthly and Seasonal Outlooks for May and May to July 2022



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

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

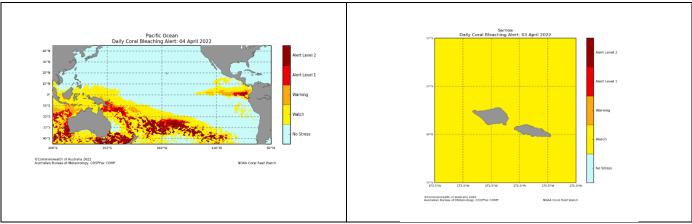
Part 2: Recent Ocean summary statement

Monthly: March 2022

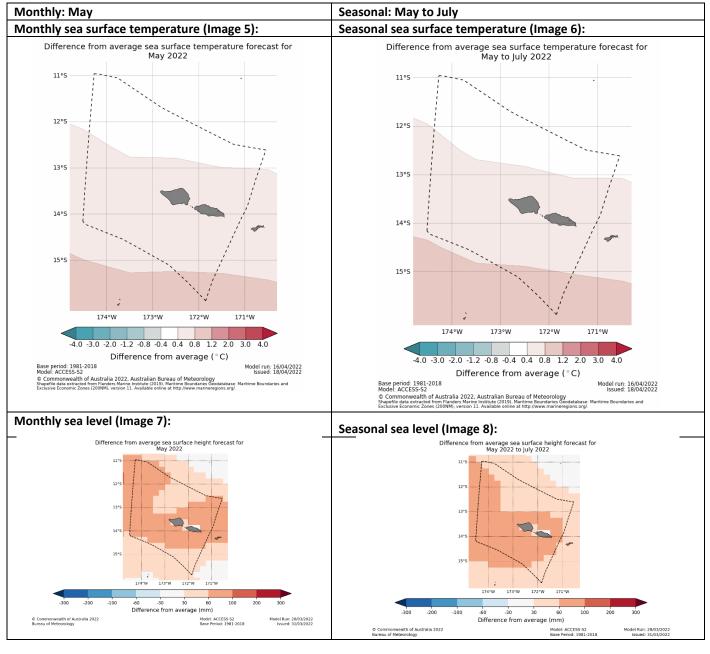
Monthly: March	Last three months: January to March 2022:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
Sea level (Image 2): Sea level (Image 2): Samoa Monthly Average Sea Surface Temperature Anomaly: March 2022 Average Sea Surface	3 monthly Average Sea Surface Temperature (Image 4): Samoa Anomaly: January 2022 to March 2022 20 13 10 05 05 05 15 15 15 15 15 15

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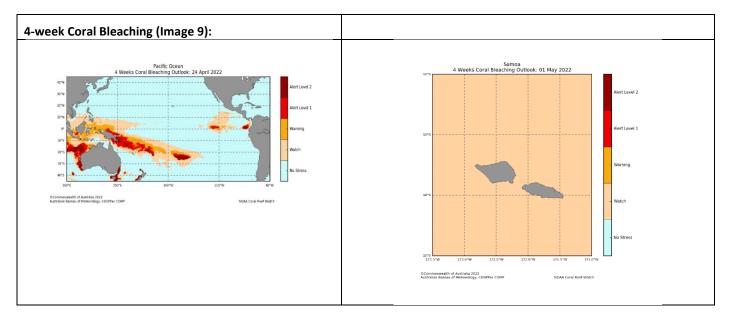
Part 2i. Monthly and Seasonal Outlooks for May and May to July 2022



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Summary Statement

Monthly and last three months: March 2022/January to March 2022 statement (Highly significant changes)

Below normal rainfall was recorded at all stations in March 2022. Faleolo recorded their 4th driest March on record.

While Afiamalu station recorded above normal rainfall, Apia, Nafanua and Faleolo station recorded normal rainfall during the three-month period, January to March 2022.

Part 1i. Monthly and Seasonal Outlooks for May and May to July 2022

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

The monthly rainfall outlook towards the west of Samoa is likely to be *below normal* while the rest of the island offers little guidance as the chances of *above normal*, *normal* and *below-normal* are similar. The seasonal rainfall outlook for Samoa is likely to be *near normal*.

The monthly and seasonal temperature outlook for Samoa is very likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: March/January to March 2022 (Highly significant changes)

For March 2022, and the last three months of January to March 2022, Samoa experiences normal sea surface temperatures.

The sea level anomaly for March 2022, revealed above normal sea level differences of 50-100mm for Samoa.

The coral bleaching alert is on 'Watch' status.

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Part 2i. Monthly and Seasonal Outlooks for May and May to July 2022

Ocean Variable statement (Highly significant changes)

<u>Sea Surface Temperature</u>

The monthly and seasonal sea surface temperature outlook for Samoa shows sea surface temperatures are likely to be normal for May 2022 and for May to July 2022. **Sea Level Forecast**

The monthly and seasonal sea level outlook for Samoa shows *above normal* sea level differences of -30m to 100m for the period of May 2022 and the seasonal period of May to July 2022. *Coral Bleach*

There is a coral bleaching outlook 'Watch' for Samoa for the next four weeks.

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

Product	Date: April 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	-	-	-	-	-
EAR Watch	12 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
Monthly Climate Briefing	-	-	-	-	-
Ocean Outlook	12 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

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		Total	65	27	38
Climate data request	-	-	-	-	-

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