

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2024	Mar-2024	Apr-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2024)	259.0	194.5	206.6	179.4	270.1	220.3	56/135
Afiamalu (1903-2024)	544.9	142.4	260.7	283.2	386.8	335.2	19/71
Nafanua (1965-2024)	333.0	131.5	179.0	180.8	305.8	237.5	18/54
Faleolo (1956-2024)	291.0	94.7	164.4	134.7	189.0	157.8	35/63

TABLE 2: Three-month Total Rainfall for February to April 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2024)	660.1	Below normal	820.9	1040.2	934.0	11/135
Afiamalu (1903-2024)	948.0	Below normal	1330.1	1596.9	1456.7	9/69
Nafanua (1965-2024)	643.5	Below normal	940.1	1165.9	1069.3	4/52
Faleolo (1956-2024)	550.1	Below normal	592.5	707.3	644.0	15/63

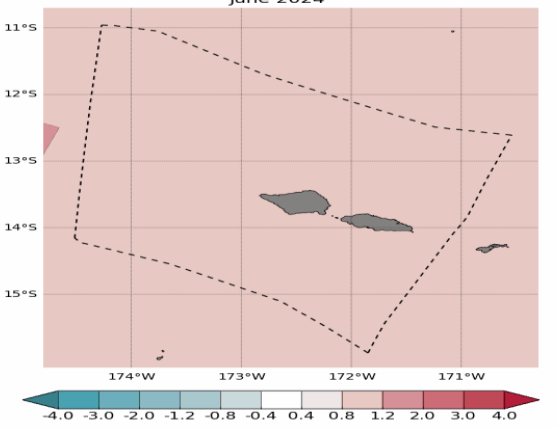
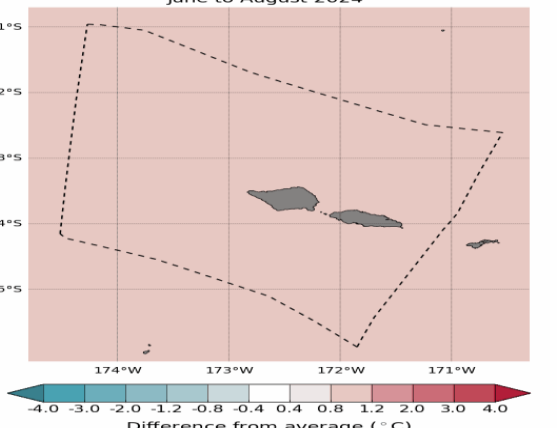
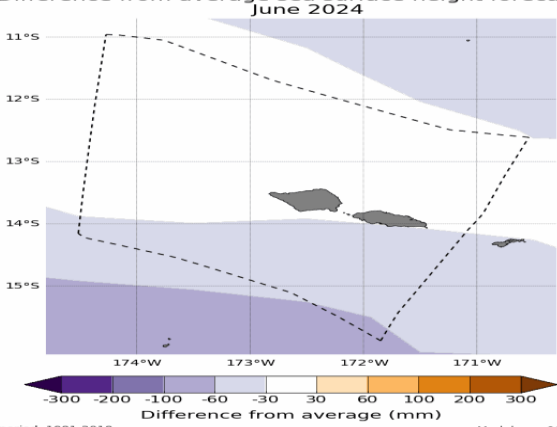
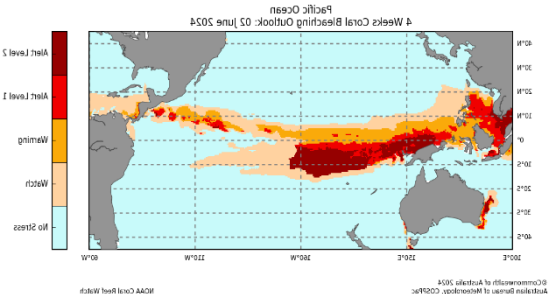
Part 1i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly: June	Seasonal: June to August
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for June 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008N), version 11. Available online at http://www.maritimergions.org/</p>	<p>Tercile rainfall probabilities for June to August 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008N), version 11. Available online at http://www.maritimergions.org/</p>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<p>Tercile maximum temperature probabilities for June 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008N), version 11. Available online at http://www.maritimergions.org/</p>	<p>Tercile maximum temperature probabilities for June to August 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008N), version 11. Available online at http://www.maritimergions.org/</p>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<p>Tercile minimum temperature probabilities for June 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008N), version 11. Available online at http://www.maritimergions.org/</p>	<p>Tercile minimum temperature probabilities for June to August 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008N), version 11. Available online at http://www.maritimergions.org/</p>

Monthly/Three months: April 2024 and February to April 2024

<p>Monthly: April 2024</p>		<p>Last three months: February to April 2024:</p>	
<p>Sea Surface Temperature (Image 1):</p>		<p>Sea Surface Temperature (Image 4):</p>	
<p>Samoa Monthly Average Sea Surface Temperature Anomaly: April 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>		<p>Samoa 3 monthly Average Sea Surface Temperature Anomaly: February 2024 to April 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	
<p>Sea level (Image 2):</p>			
<p>Samoa Monthly Near Real Time Sea Level Anomaly: April 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO Ssalto/Duacs SLA</p>			
<p>Daily coral bleaching alert (Image 3):</p>			
<p>Pacific Ocean Daily Coral Bleaching Alert: 05 May 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>		<p>Samoa Daily Coral Bleaching Alert: 05 May 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly: June	Seasonal: June to August
<p>Monthly sea surface temperature (Image 5):</p> <p>Difference from average sea surface temperature forecast for June 2024</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marineregions.org/</p> <p>Model run: 06/05/2024 Issued: 08/05/2024</p>	<p>Seasonal sea surface temperature (Image 6):</p> <p>Difference from average sea surface temperature forecast for June to August 2024</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marineregions.org/</p> <p>Model run: 06/05/2024 Issued: 08/05/2024</p>
<p>Monthly sea level (Image 7):</p> <p>Difference from average sea surface height forecast for June 2024</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marineregions.org/</p> <p>Model run: 06/05/2024 Issued: 08/05/2024</p>	<p>Seasonal sea level (Image 8):</p>
<p>4-week Coral Bleaching (Image 9):</p>	<p>4 Weeks Coral Bleaching Outlook: 02 June 2024</p>  <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, CoSPPac</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: April 2024/February to April 2024 statement

The rainfall for April was *near-normal* over Apia and Faleolo but below normal for Afiamalu and Nafanua. For the past three months, February to April, rainfall was *below normal* for all stations.

Part 1i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for June and June to August is likely or very likely to be *above normal* over Samoa.

Maximum and minimum temperatures during June and averaged over June to August are very likely to be *above normal* over Samoa.

Part 2: Recent Ocean summary statement

Monthly and last three months: April 2024/February to April 2024

April ocean temperatures around Samoa's main Island were 1.0 to 2.0°C above normal

Averaged over February to April, ocean temperatures around Samoa were 1.0 to 1.5°C above normal

April sea levels around Samoa were *near-normal*

Coral bleaching alert shows 'Alert level 2' status for Samoa.

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2024

Ocean Variable statement

June and averaged over June to August, ocean temperatures around Samoa's main island are likely to be 0.8 to 1.2°C above normal.

June and averaged over June to August sea levels are predicted to be *near-normal* north of Samoa's EEZ including the two main islands and 30 to 60mm below normal elsewhere.

Coral bleaching outlook shows 'Alert level 2' status for Samoa.

IN BRIEF for Teleconference

- During April and from February to April rainfall was *normal* to *below normal* across Samoa.
- Rainfall for June and June to August is likely or very likely to be *above normal* over Samoa.
- SSTs were *above normal* for April and February to April. The outlook also shows *above normal* SSTs for the next one and three months.
- Sea-surface heights (SSHs) were *near normal* for April. Near-normal to below normal SSHs are predicted for June and June to August
- Coral bleaching alert level 2 is currently observed around the EEZ and forecast to continue on for the next four weeks.

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

Product	Date: April 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
EAR Watch	6th	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	6th	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	
Ocean Outlook	6th	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,	65	27	38	

		Disaster Managers, Marines				
Climate Summary	6th	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	