Tuvalu Ocean Outlook

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Member of WMO

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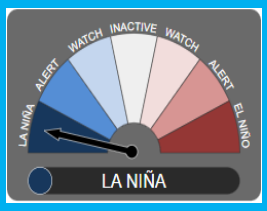
Summary

- The SSTs in most of the Tuvalu Waters are likely to be normal
- The Fisheries Convergence Zone continues to lies over the group.
- The Coral bleaching is at No Stress for all Tuvalu Waters
- Sea level is predicted to be higher than normal from May to July across most of Tuvalu Waters

Issue Outline:

- Ocean Summary
- Ocean Temperature
- Fisheries Convergence Zone
- Coral Bleaching
- Sea Level Forecast

Climate Status:

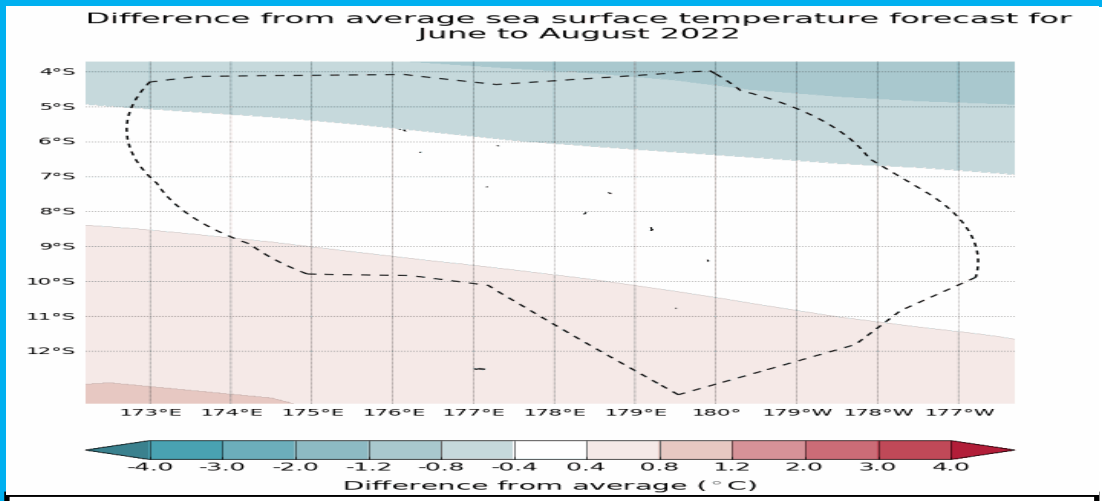


ENSO Update

Contributors:

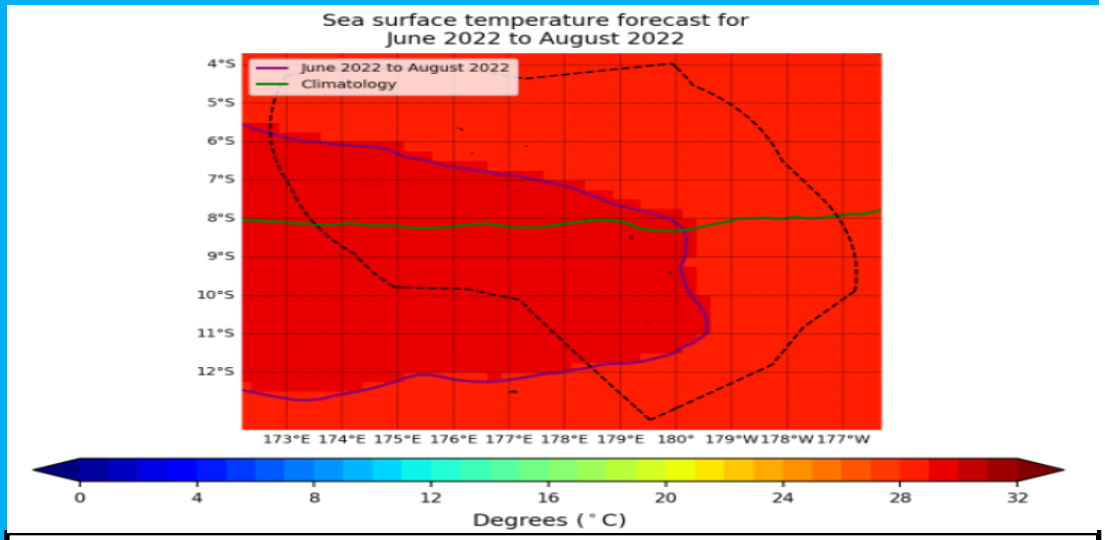
- Pacific Ocean Portal oceanportal.spc.int
- Bureau of Meteorology-ENSO Wrap-up: http://www.bom.gov.au/climate/enso/
- WMO GPSC(Global Produce Center) for Long-Range Forecasts
- ACCESS-S Clide access-s.clide.cloud

Sea Surface Temperature Forecast Anomaly



Below normal Sea Surface Temperature (SST) is likely across northern of Tuvalu EEZ, **above normal** is likely across southern EEZ and is likely to be **normal** to most of Tuvalu waters

Sea Surface temperature forecast with Fisheries Convergence Zone



Fisheries Convergence Zone (FCZ) is predicted to lies over the group in the next three months. [1]Fisheries Convergence Zone is where cold and warm water meet, and are rich in nutrients, attracting lots of fish.

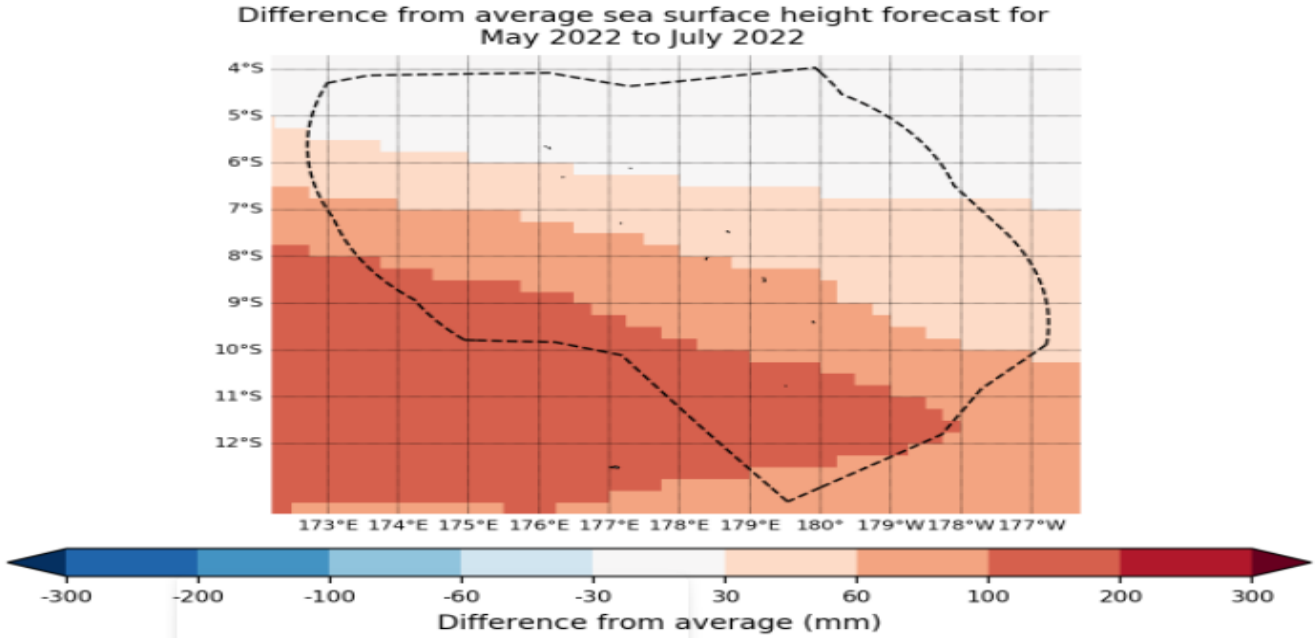
[1] *Fisheries Convergence Zone is different from South Pacific Convergence Zone.*

12 Weeks Coral Bleaching Outlook: 03 July 2022



The 12 weeks coral bleaching outlook is at **No Stress Level** for Tuvalu Waters.

Seasonal Sea Level Forecast



The sea level forecast for May to July 2022 shows **normal** conditions for northern waters, with **higher than normal** conditions for central and southern waters of the group. This forecast is based on the combined long-term effects of temperatures, salinity and wind on the water levels and not related to astronomical tide and weather phenomena

Highest and Lowest Tide from June 2022 to August 2022

Date	Time(LT)	Tide Level(m)
15-06-22	05:13	3.08
15-06-22	11:43	1.04
14-07-22	11:36	0.99
15-07-22	05:57	3.08
14-08-22	11:36	0.99
15-08-22	05:57	3.08

The highest (spring tide) and lowest tides for June —August are listed in the table on the left.

The predicted tide levels may be different from the observed tide levels due to weather phenomenon such as low/high pressure systems; South Pacific Convergence Zone(SPCZ); El Nino Southern Oscillation(ENSO) - El Nino/La Nina.

[1] *Fisheries Convergence Zone is different from South Pacific Convergence Zone.*