



Tuvalu Ocean Outlook



Tuvalu Meteorological Service
Member of WMO

Version: 1

Issue: 21

September 2022

Summary

- The SSTs in most of the Tuvalu Waters are likely to be near-normal
- The Fisheries Convergence Zone northern boundaries of the group.
- The Coral bleaching is at Watch status for most of Tuvalu waters.
- Sea level is predicted to be near normal for most of Tuvalu from October to December 2022.

Contacts:

General: 20736

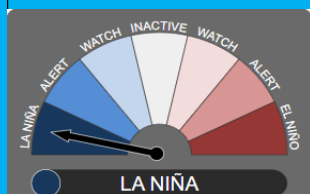
Email: tuvmet@gmail.com

Website: www.tuvmet.tv

Issue Outline:

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

Climate Status:

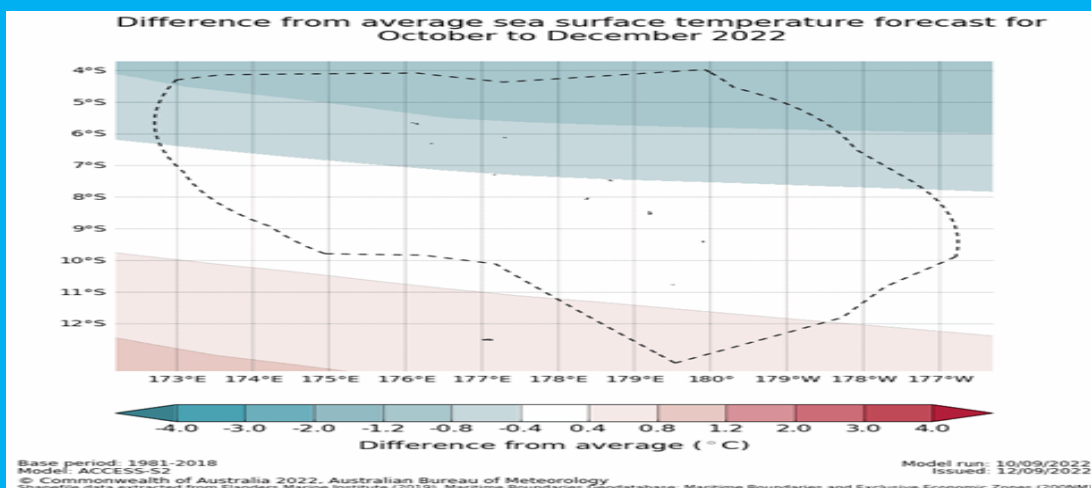


ENSO Update

Contributors:

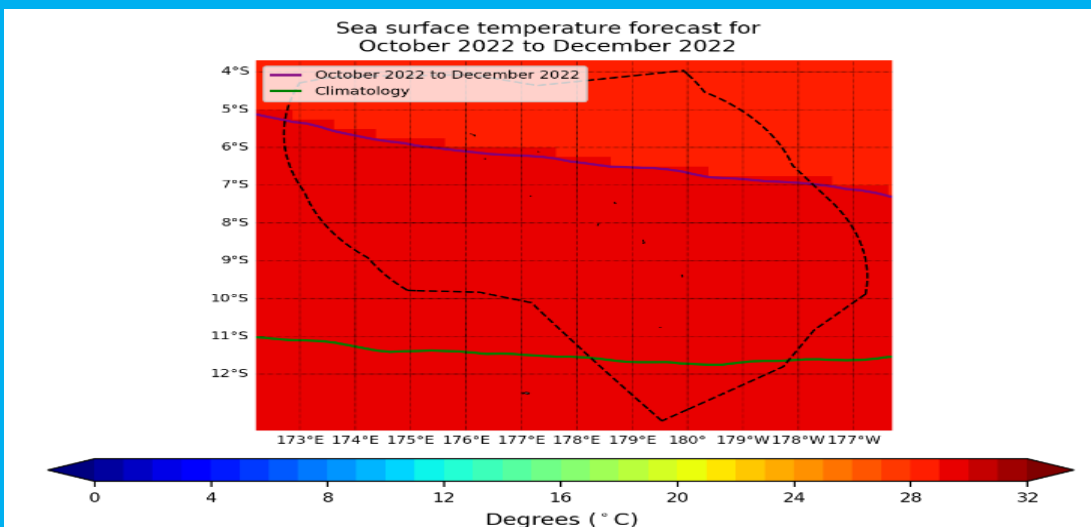
- Pacific Ocean Portal
oceanportal.spc.int
- Bureau of Meteorology-
ENSO Wrap-up:
<http://www.bom.gov.au/climate/enso/>
- WMO GPSC(Global Produce Center) for Long-Range Forecasts
- ACCESS-S Clide
access-s.clide.cloud

Sea Surface Temperature Forecast Anomaly



Seasonal sea-surface temperature outlooks indicate **below normal** is very likely for the northern group. With **near-normal** conditions for the central and southern groups of Tuvalu.

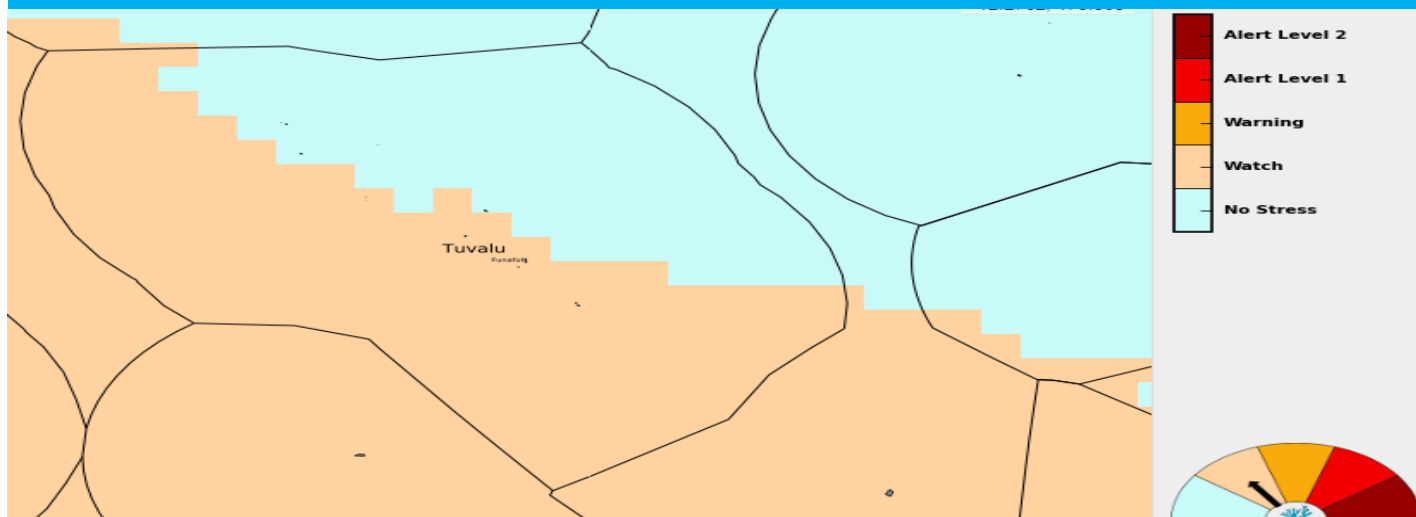
Sea Surface temperature forecast with Fisheries Convergence Zone



Fisheries Convergence Zone (FCZ) is predicted to lie across the northern boundaries of the EEZ in the next three months. ¹Fisheries Convergence Zone is where cold and warm water meet, and are rich in nutrients, attracting lots of fish.

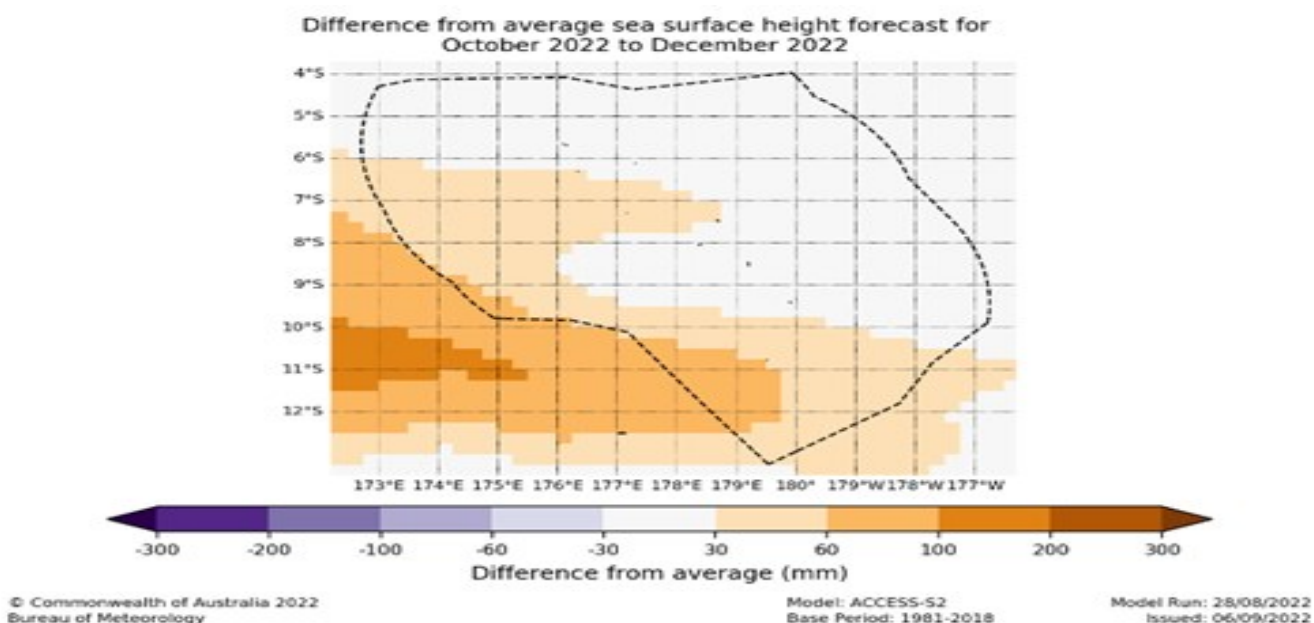
¹ Fisheries Convergence Zone is different from South Pacific Convergence Zone.

12 Weeks Coral Bleaching Outlook: 11 December 2022



The 12 weeks coral bleaching outlook, reveals at **Watch**, with portions of Tuvalu forecasted to be experience at **No Stress Level**.

Seasonal Sea Level Forecast



The sea level forecast for October to December 2022 reveals near normal conditions, with portions of Tuvalu forecasted to experience above normal sea level anomalies.. 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 October 2022 to December 2022

Date	Time(LT)	Tide Level(m)
09-10-22	10:29	1.08
26-10-22	17:15	3.04
24-11-22	16:58	3.10
24-11-22	23:23	1.10
24-12-22	17:37	3.14
25-12-22	00:07	1.09

The highest (spring tide) and lowest tides for October to December 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.