



TUVALU MONTHLY AND SEASONAL OUTLOOK

JULY TO SEPTEMBER

2023



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SUMMARY

- El Niño ALART continues
- July rainfall is likely or very likely to be above normal for Nanumea, Nui and Niulakita, while near-normal is likely for the north-central part of Tuvalu. The outlook offers little guidance for the eastern side of Tuvalu's EEZ, including Funafuti.
- July to September rainfall is likely or very likely to be above normal for the northern half of Tuvalu and some parts of the southwest, while the central region is likely to have near-normal rainfall.. The outlook offers little guidance for some parts of southern and eastern Tuvalu. This shows a clear indication of progression of El Niño and its impact on rainfall in Tuvalu.
- Monthly seasonal outlook for May and May to July for maximum and minimum temperatures shows above normal are very likely for the group of Tuvalu

EI-NINO SOUTHERN OSCILLATION (ENSO)

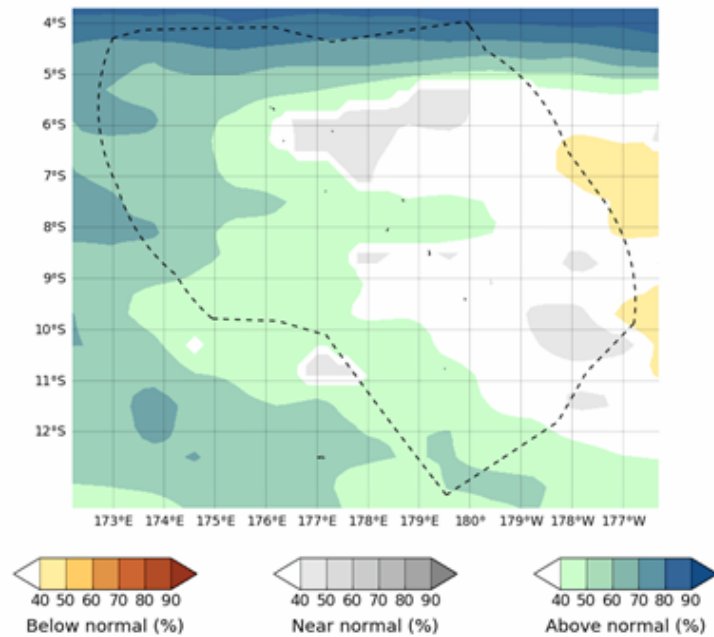


- ◆ The ENSO outlook has been shifted to El Niño ALERT. This means that while the El Niño–Southern Oscillation (ENSO) is currently neutral, there is approximately a 70% chance of El Niño forming in 2023. This is roughly three times the normal chance of an El Niño. An El Niño ALERT is not a guarantee that El Niño will occur, but it is an indication that most of the typical precursors of an event are in place.
- ◆ Oceanic ENSO indicators have warmed to El Niño thresholds. Models are forecasting that further warming is likely, with ocean temperatures expected to persist above El Niño thresholds in the central and eastern Pacific until at least the end of spring.
- ◆ The Southern Oscillation Index (SOI) has recently reached El Niño thresholds, with the 60-day SOI value at -10.6 . Trade winds are currently close to average and cloudy conditions persist near the dateline. The broadscale atmospheric pressure patterns are not typical of an El Niño.

RAINFALL OUTLOOK

JULY 2023

Tercile rainfall probabilities for July 2023

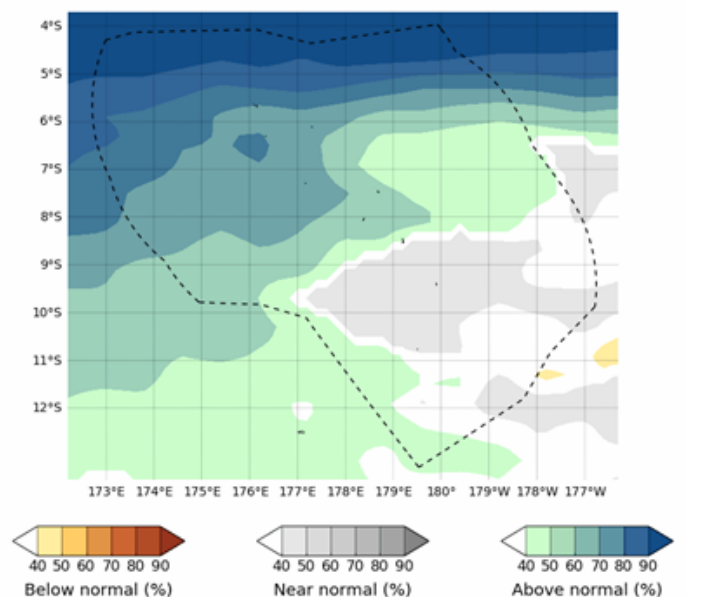


Base period: 1981-2018
Model: ACCESS-S2
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Shapfiles data extracted from Flanders Marine Institute (2021). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.marinerregions.org/>.
Model run: 05/06/2023
Issued: 08/06/2023

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JULY TO SEPTEMBER 2023

Tercile rainfall probabilities for July to September 2023



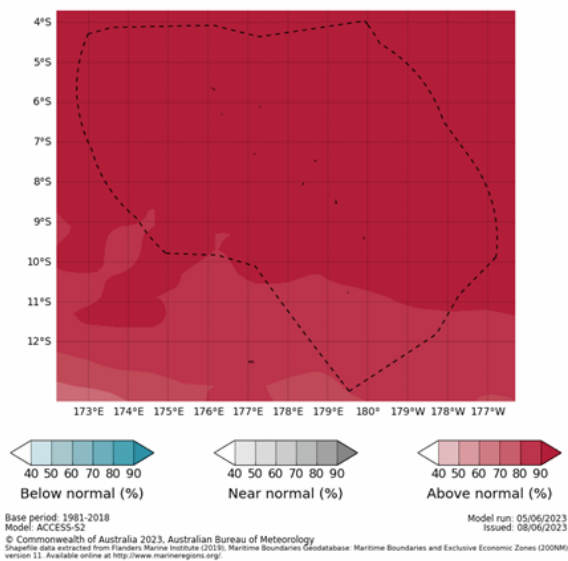
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© Commonwealth of Australia 2023, Australian Bureau of Meteorology
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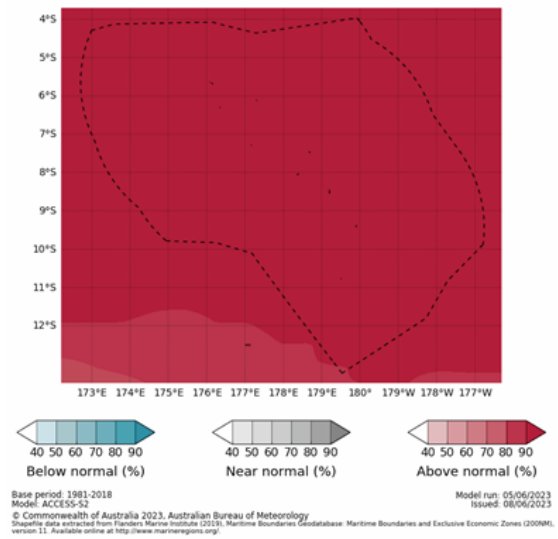
AIR TEMPERATURE OUTLOOK

Monthly & Seasonal Outlook (July-July to September) Maximum Temperature

Tercile maximum temperature probabilities for July 2023



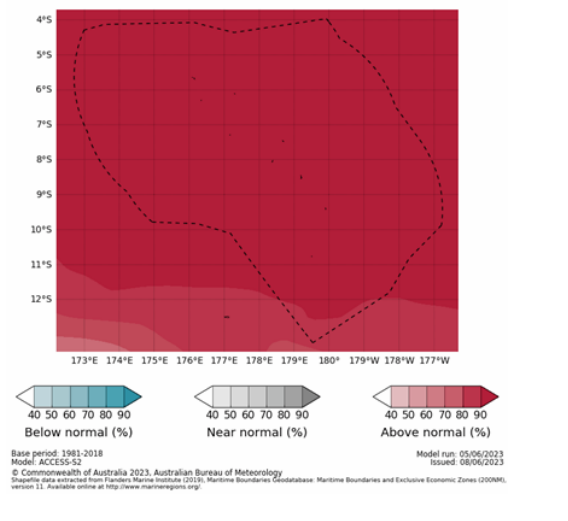
Tercile maximum temperature probabilities for July to September 2023



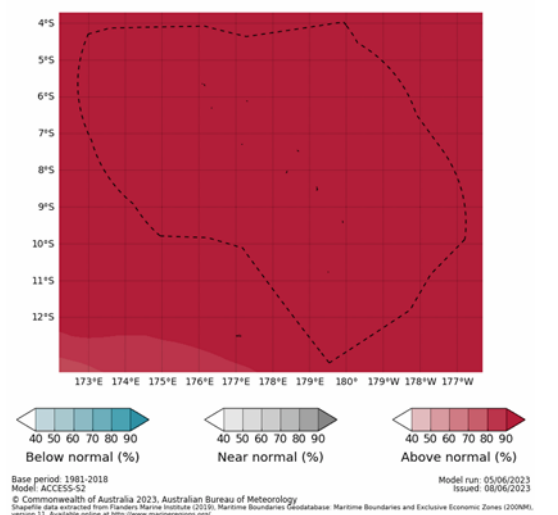
Maximum temperatures outlook for July and averaged over July to September 2023 are very likely to be above normal over Tuvalu.

Monthly & Seasonal Outlook (July-July to September) Minimum Temperature

Tercile minimum temperature probabilities for July 2023



Tercile minimum temperature probabilities for July to September 2023



Minimum temperatures outlook for July and averaged over July to September 2023 are very likely to be above normal over Tuvalu.