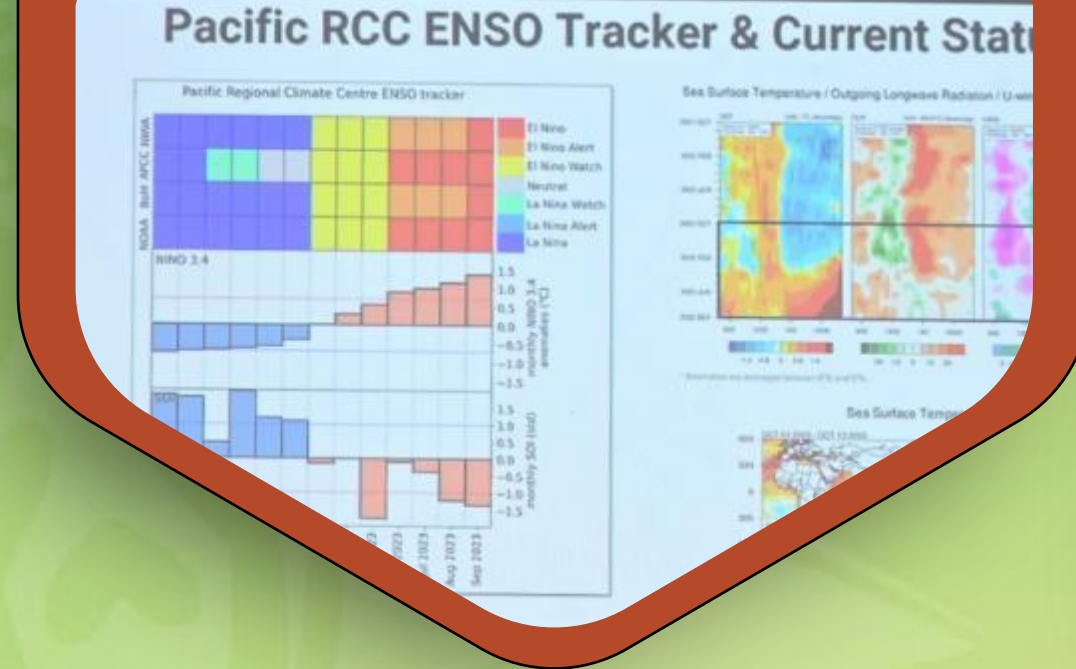




17th SESSION

PACIFIC ISLANDS CLIMATE OUTLOOK FORUM (PICOF-17)

22 – 23 October, 2025

Port Vila, Vanuatu



COSPPac
Climate and Oceans Support Program in the Pacific





Outlook: Ocean temperature, Coral Bleaching and Sea level

Outline of Presentation

- WMO LRFMME SST
- Sea Level Anomalies (SLA)/Tides
- Coral Bleaching Outlook
- Fisheries Convergence Zone Outlook
- Key messages

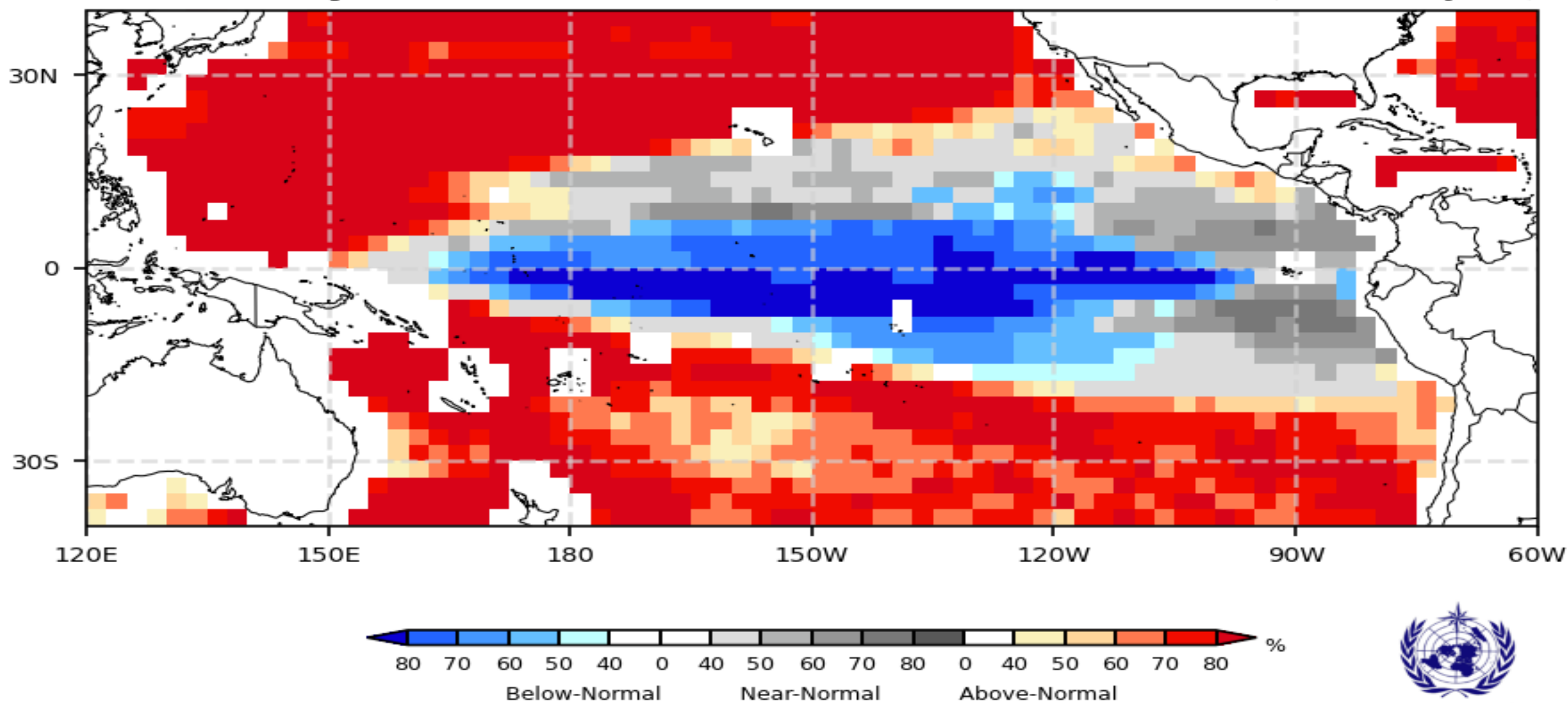
WMO-MME- 3 Month Sea Surface Temperature (SST)

Probabilistic Multi-Model Ensemble Forecast

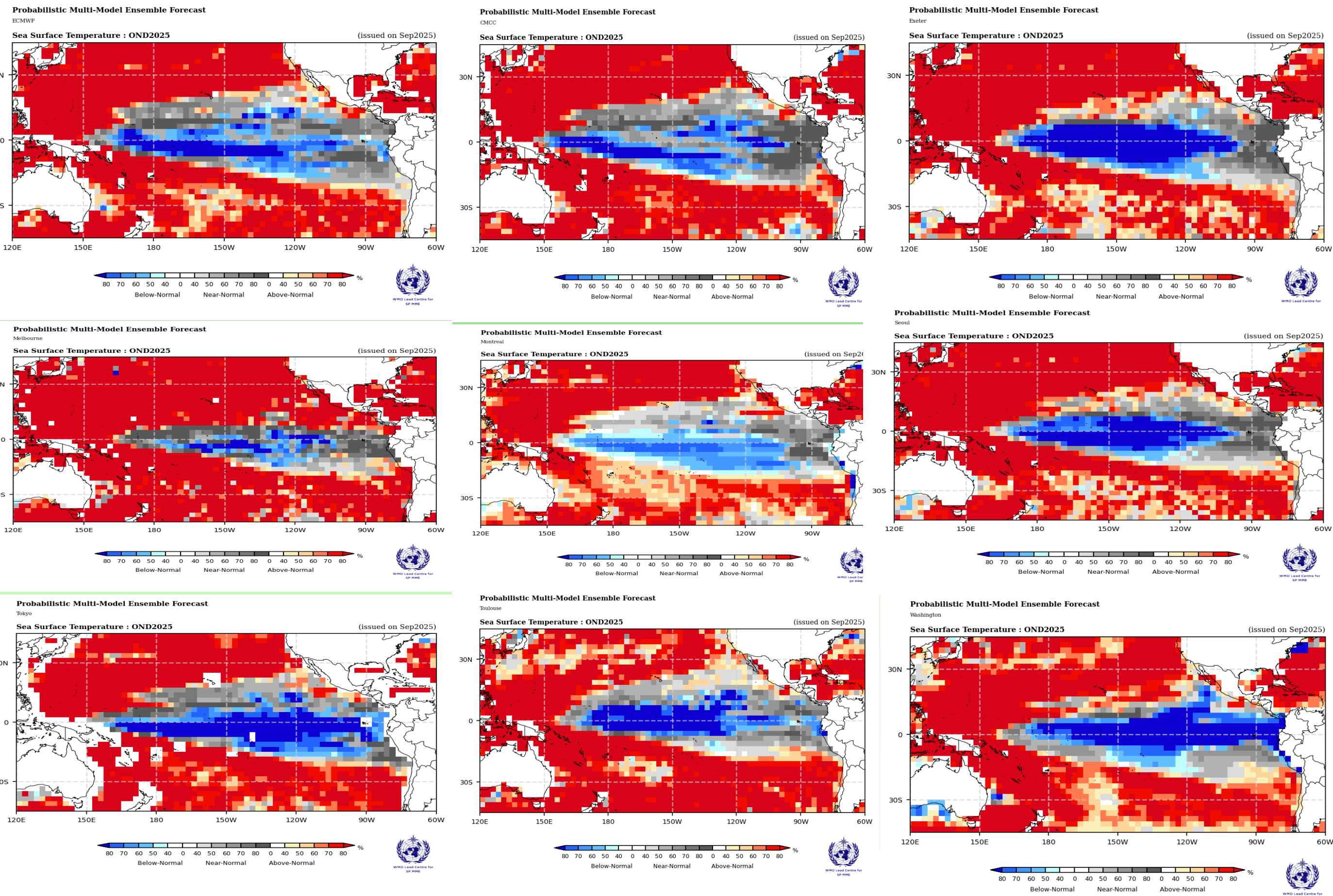
CMCC,ECMWF,Exeter,Melbourne,Montreal,Offenbach,Seoul,Tokyo,Toulouse,Washington

Sea Surface Temperature : OND2025

(issued on Sep2025)



Individual Model–SST: 3 month



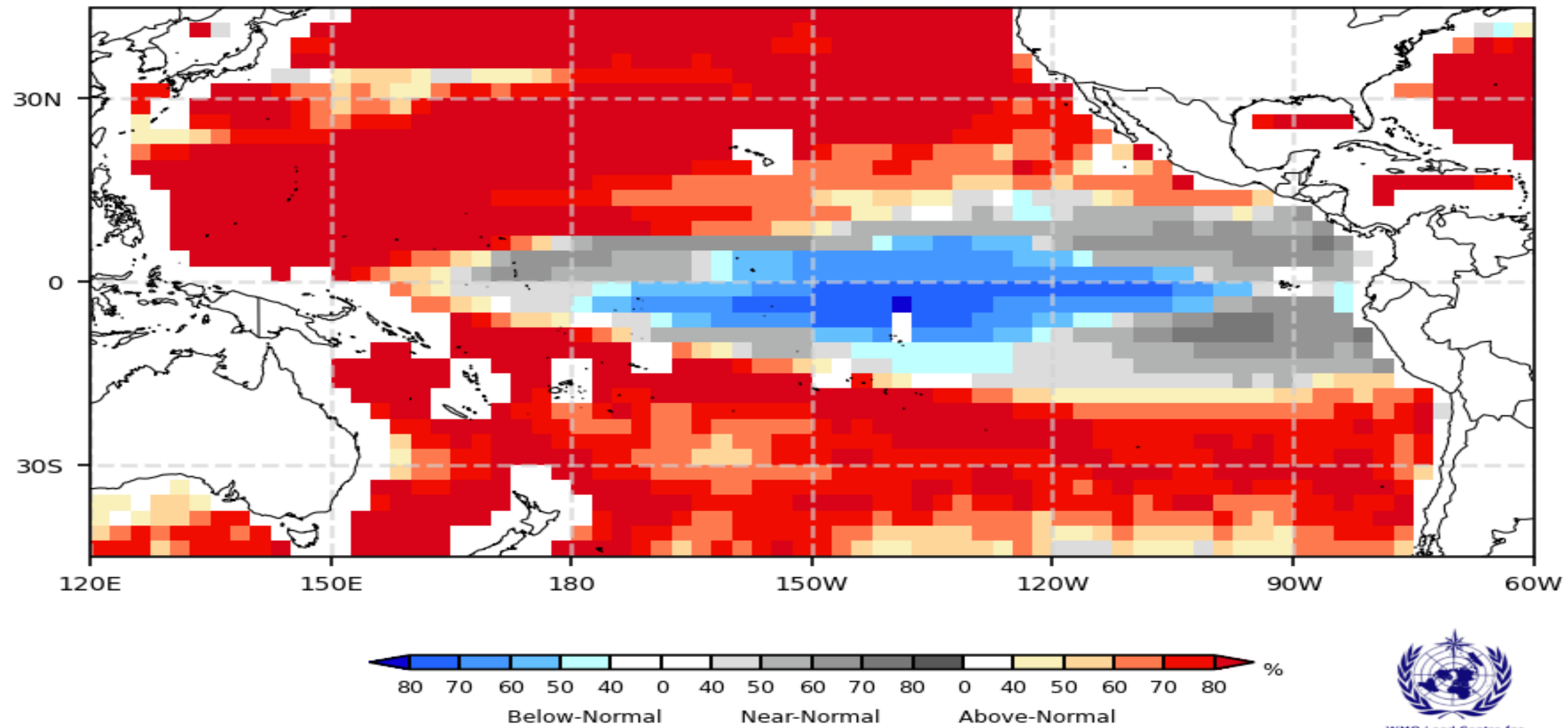
WMO-MME- 6 Month SST

Probabilistic Multi-Model Ensemble Forecast

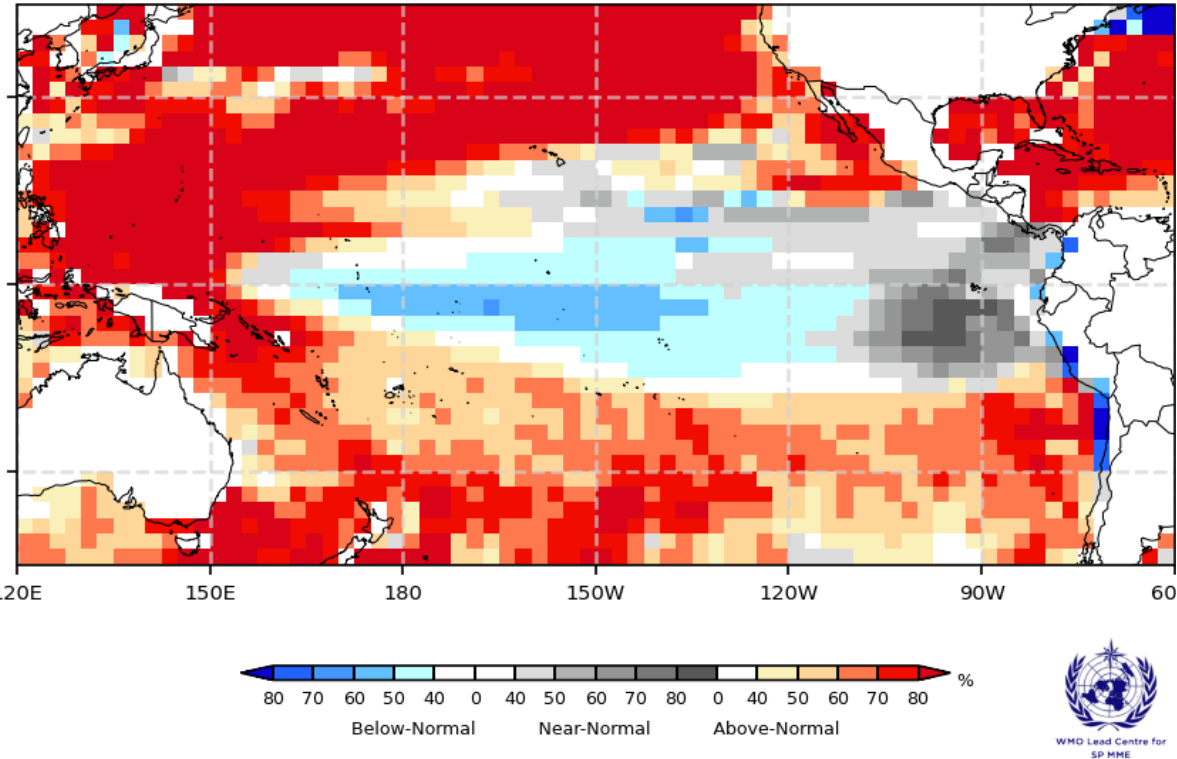
Montreal, Seoul, Tokyo, Washington

Sea Surface Temperature : ONDJFM2025

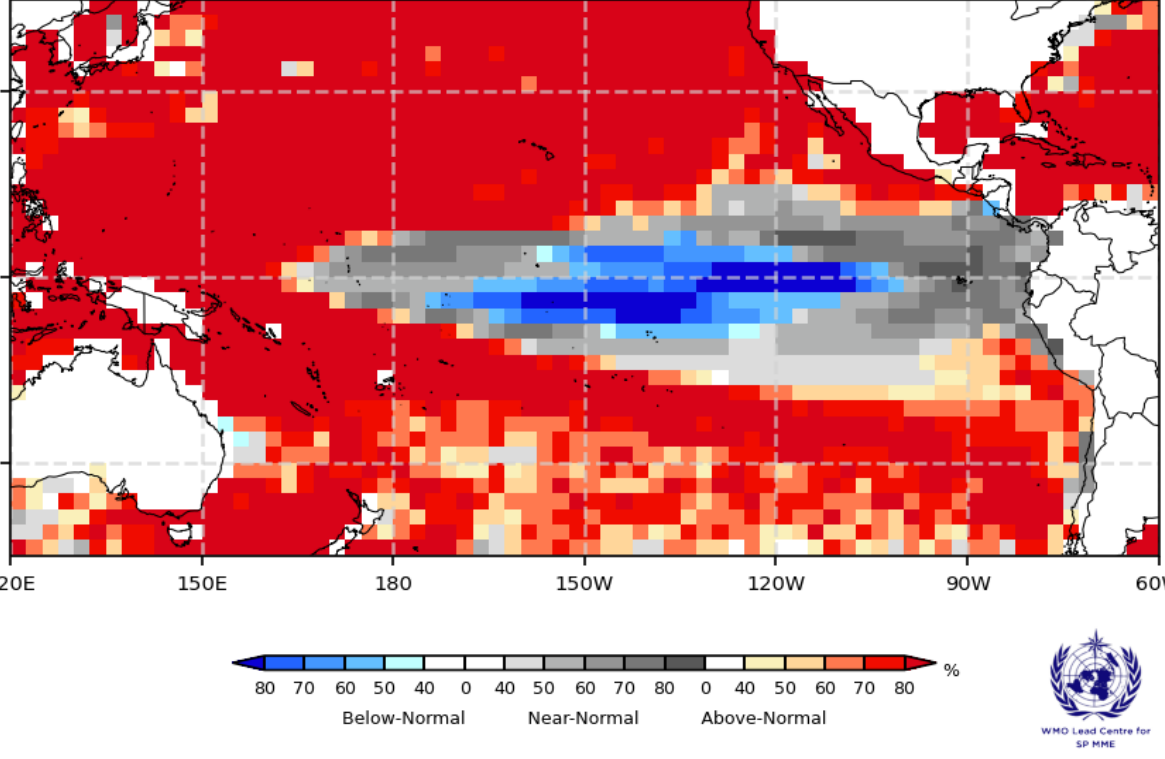
(issued on Sep2025)



Sea Surface Temperature : ONDJFM2025 (issued on Sep2025)

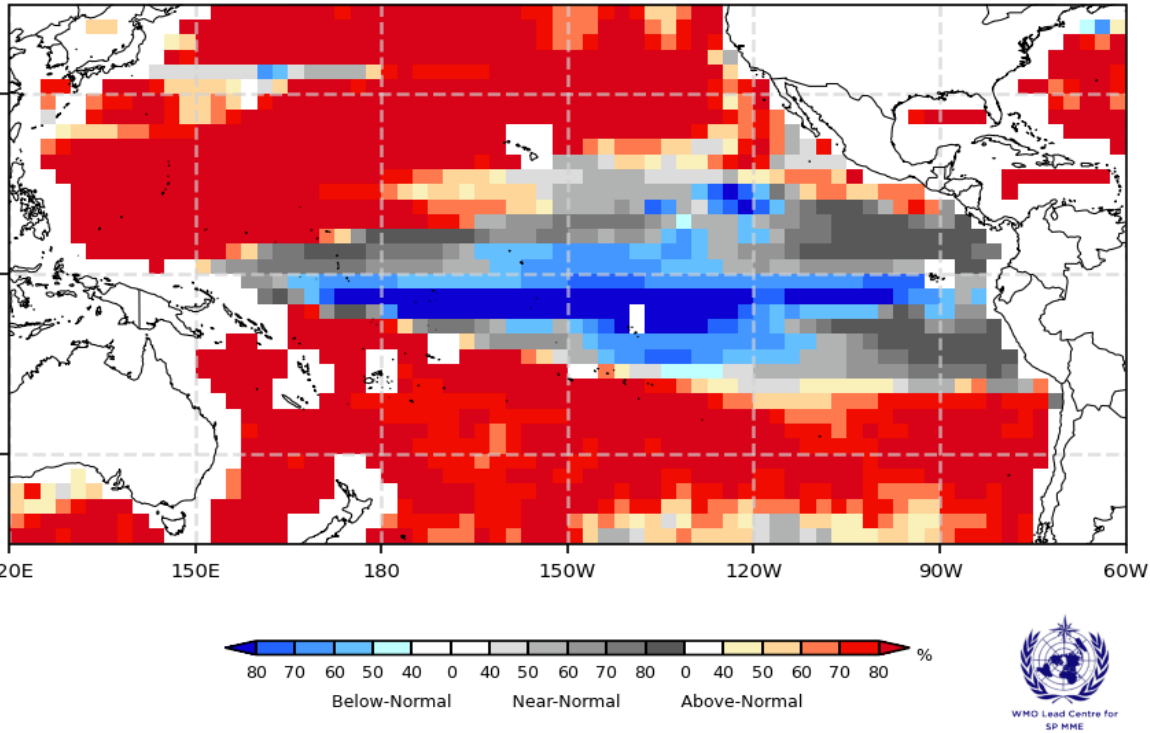


Sea Surface Temperature : ONDJFM2025 (issued on Sep2025)

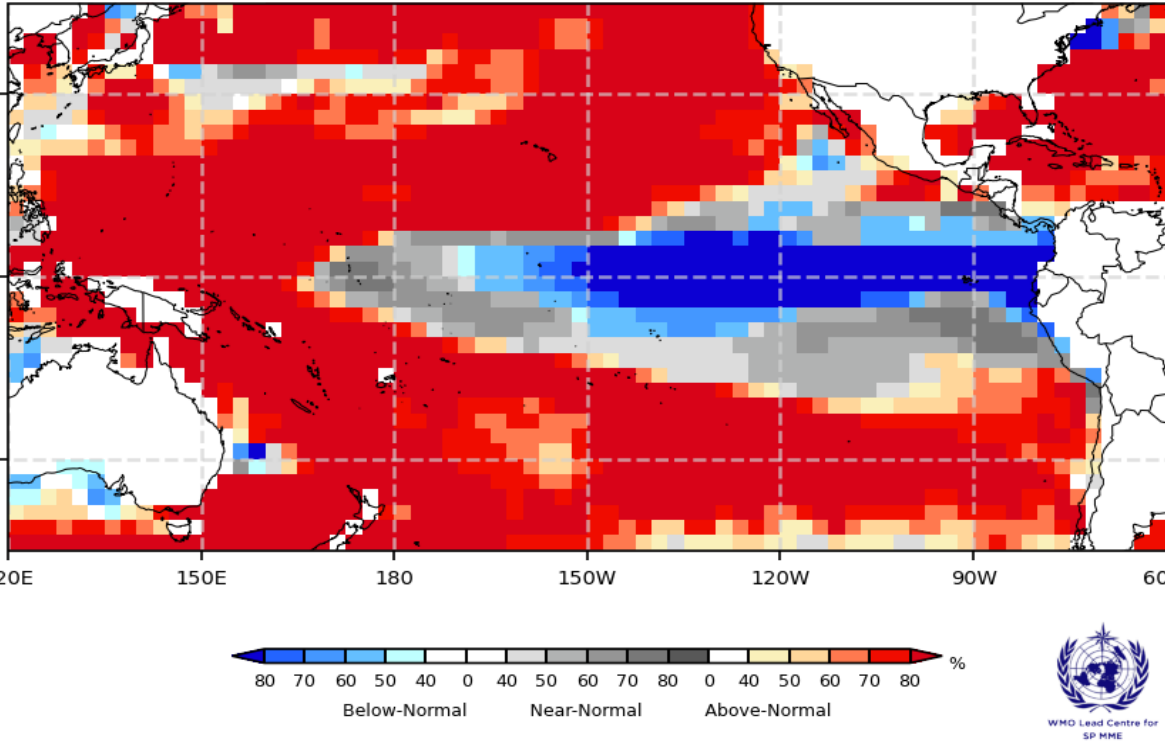


Individual
Model–SST: 6 months

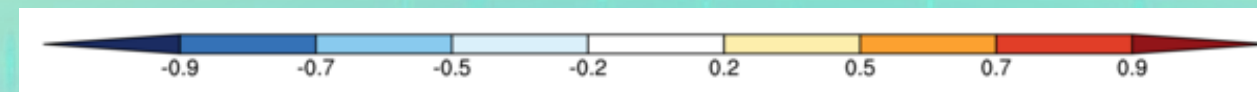
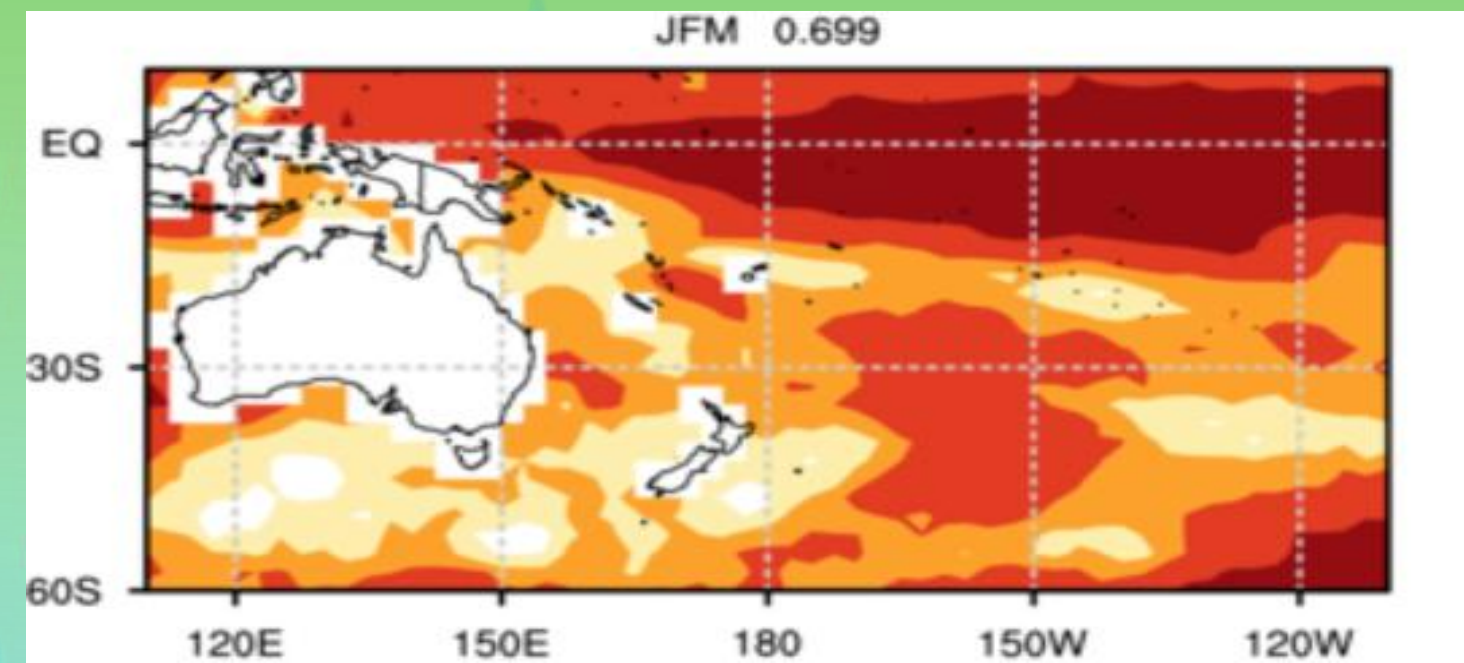
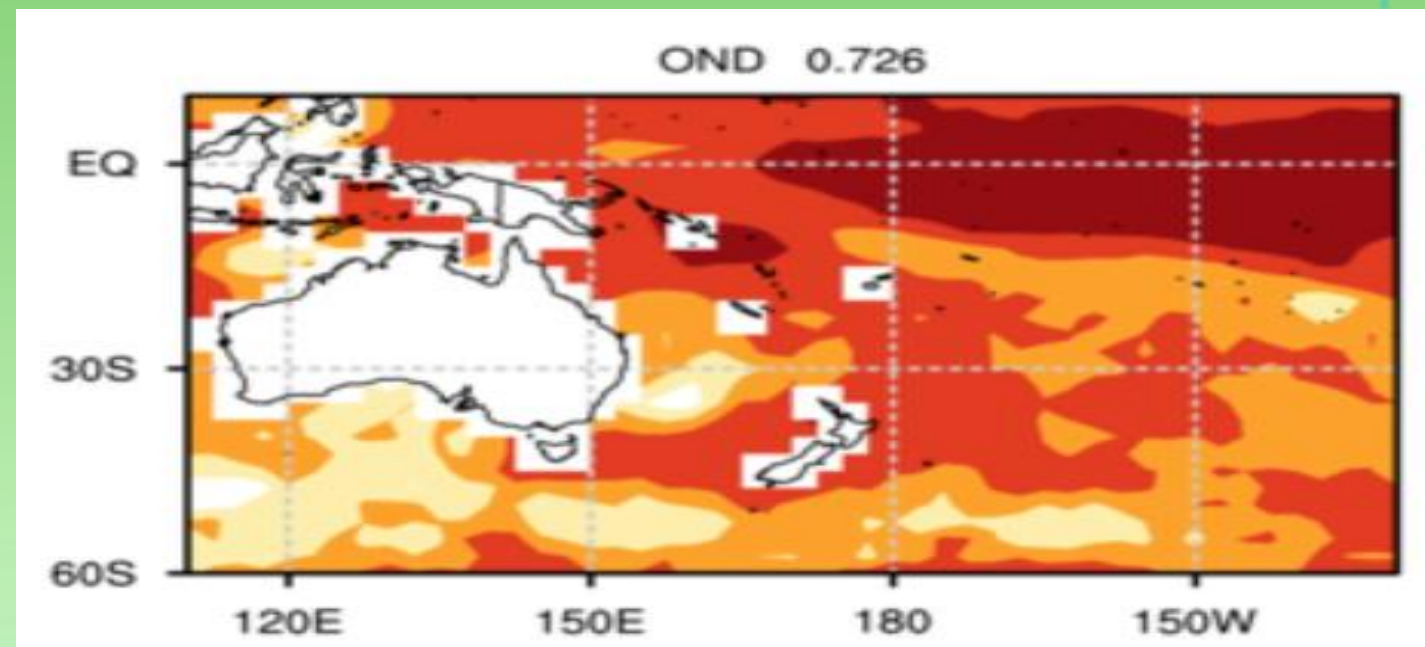
Sea Surface Temperature : ONDJFM2025 (issued on Sep2025)



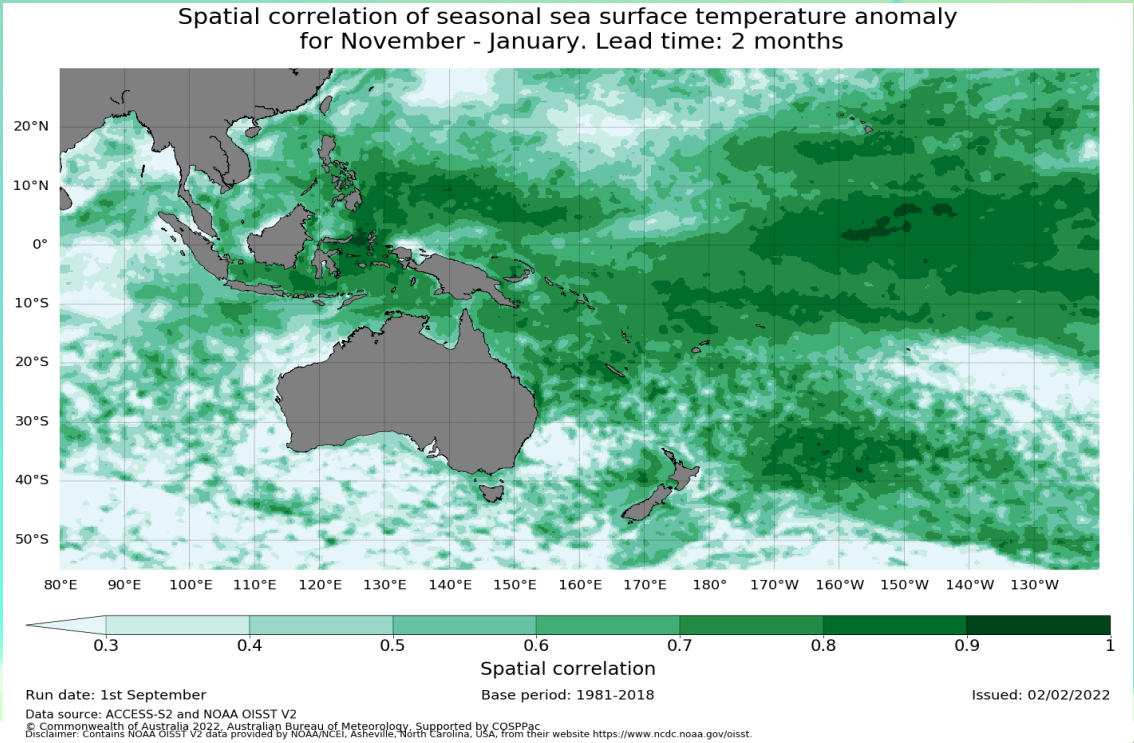
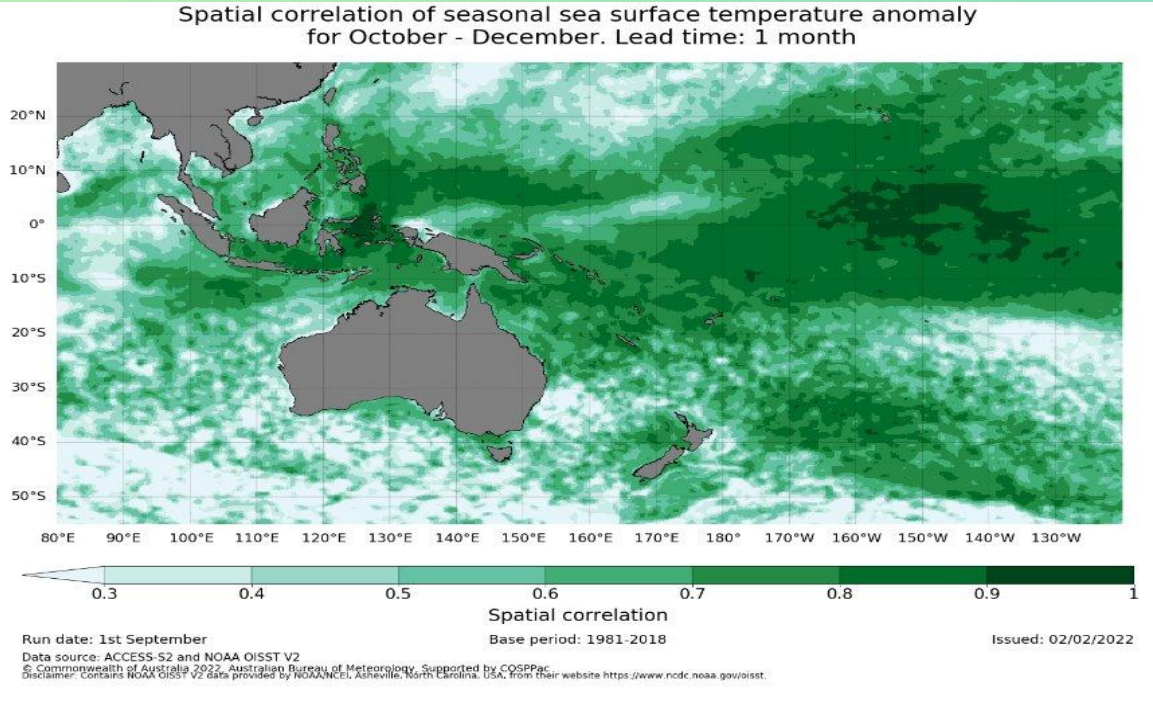
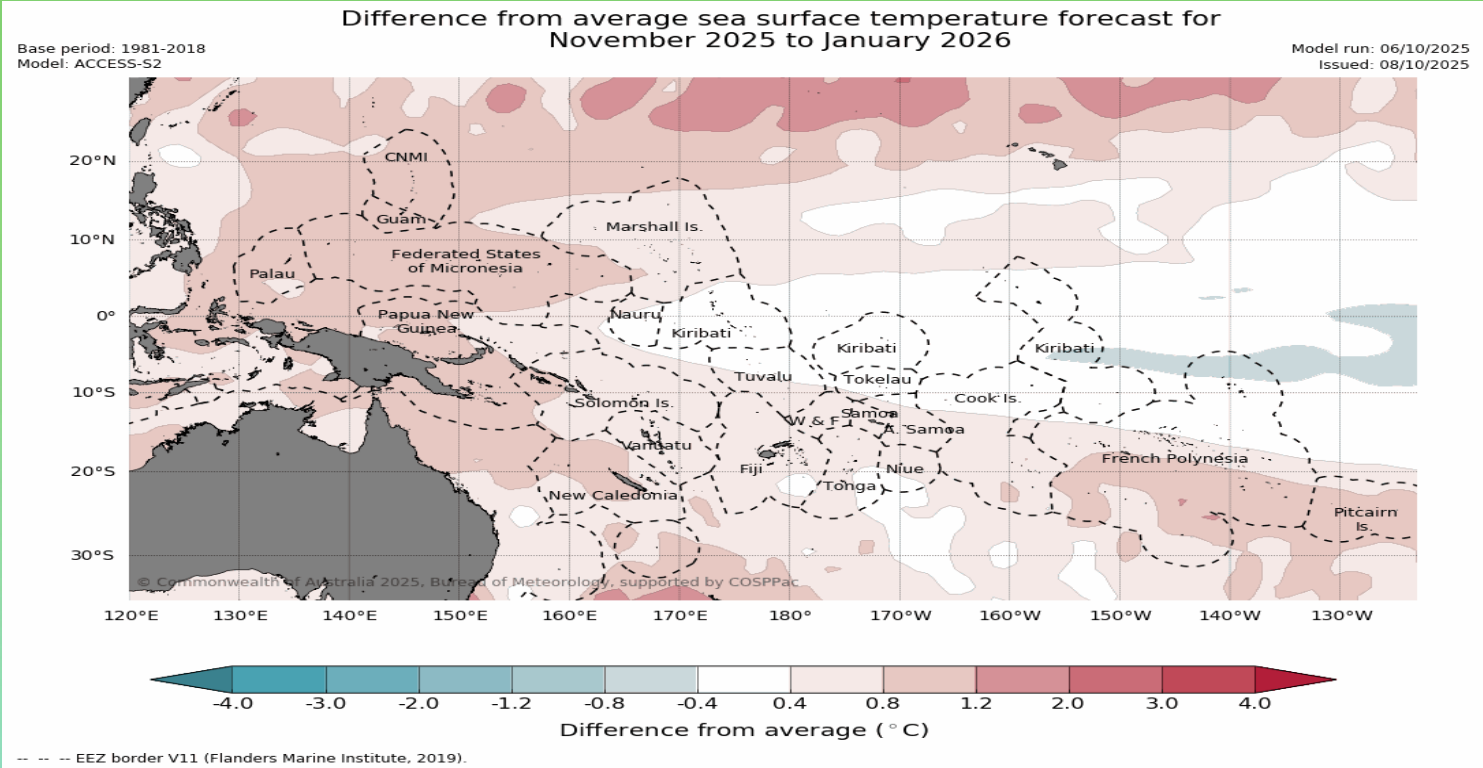
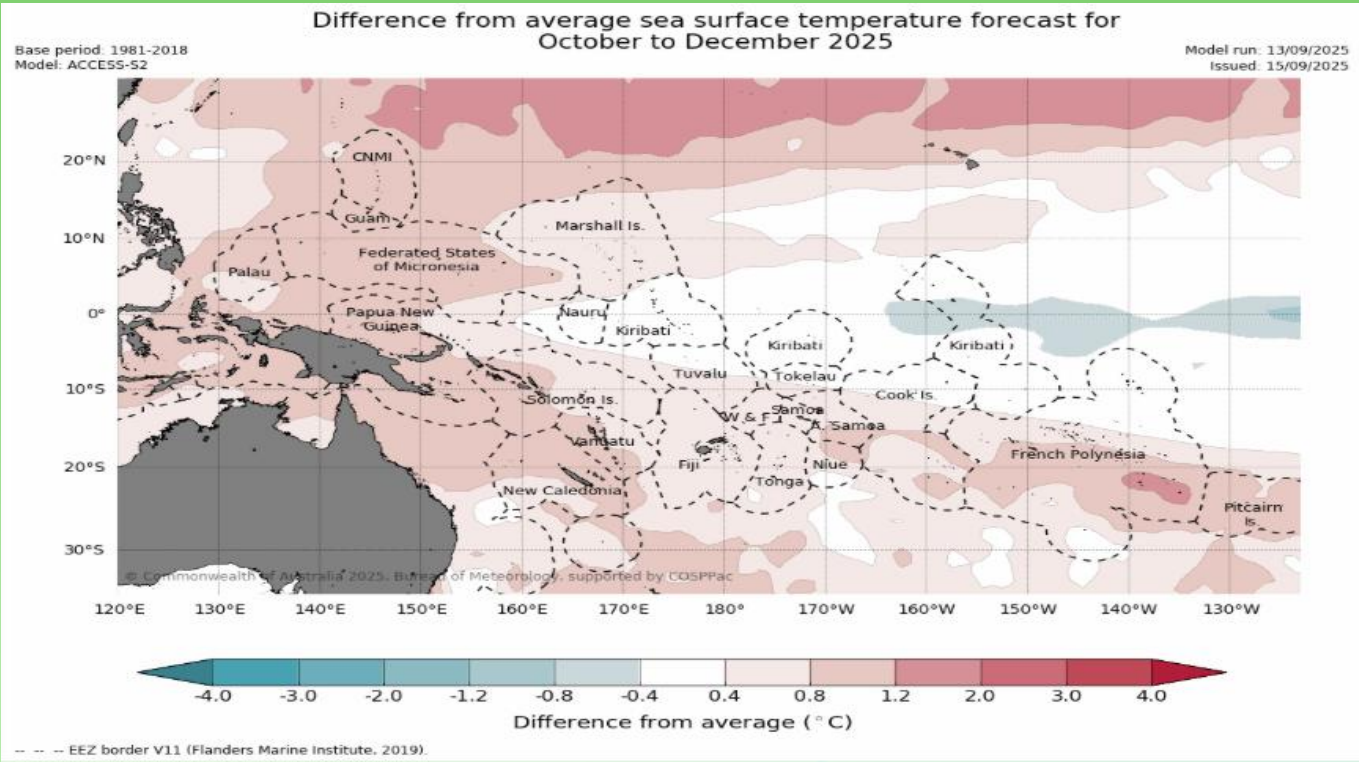
Sea Surface Temperature : ONDJFM2025 (issued on Sep2025)



Skill



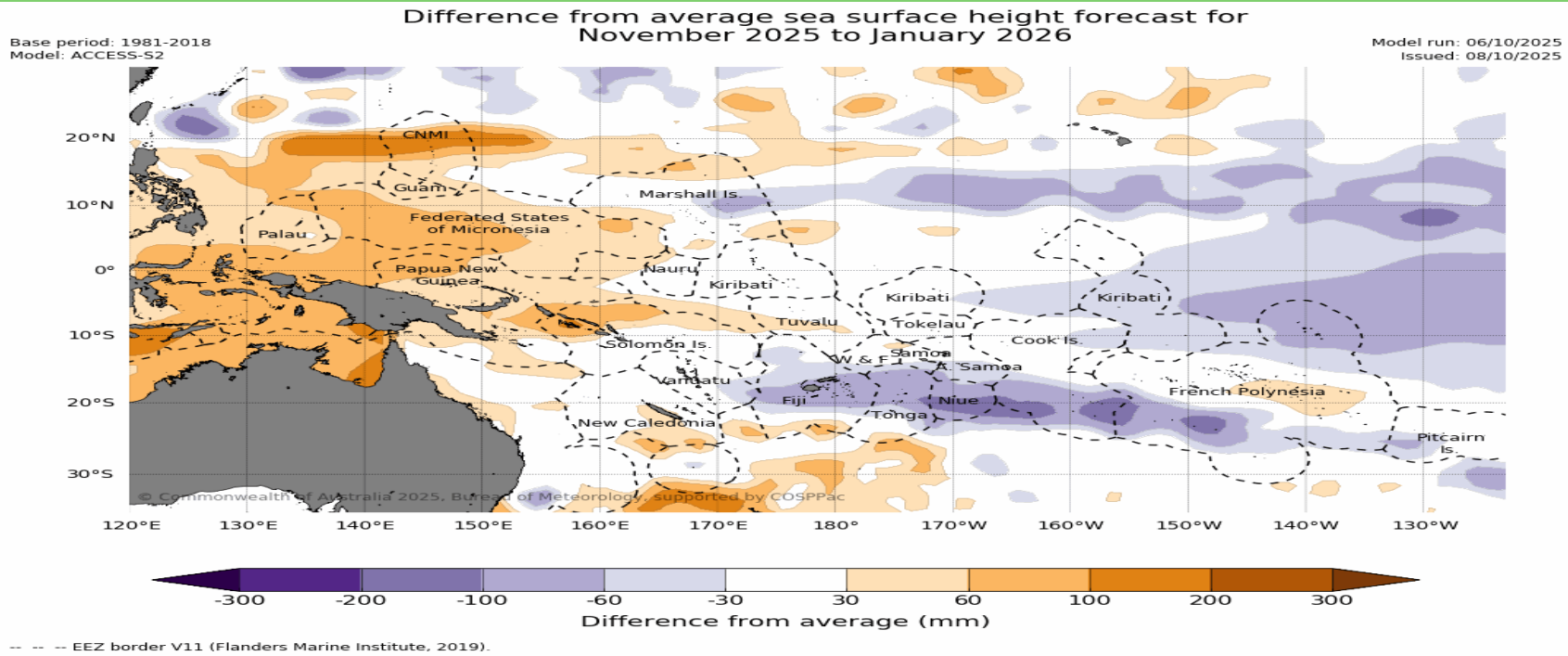
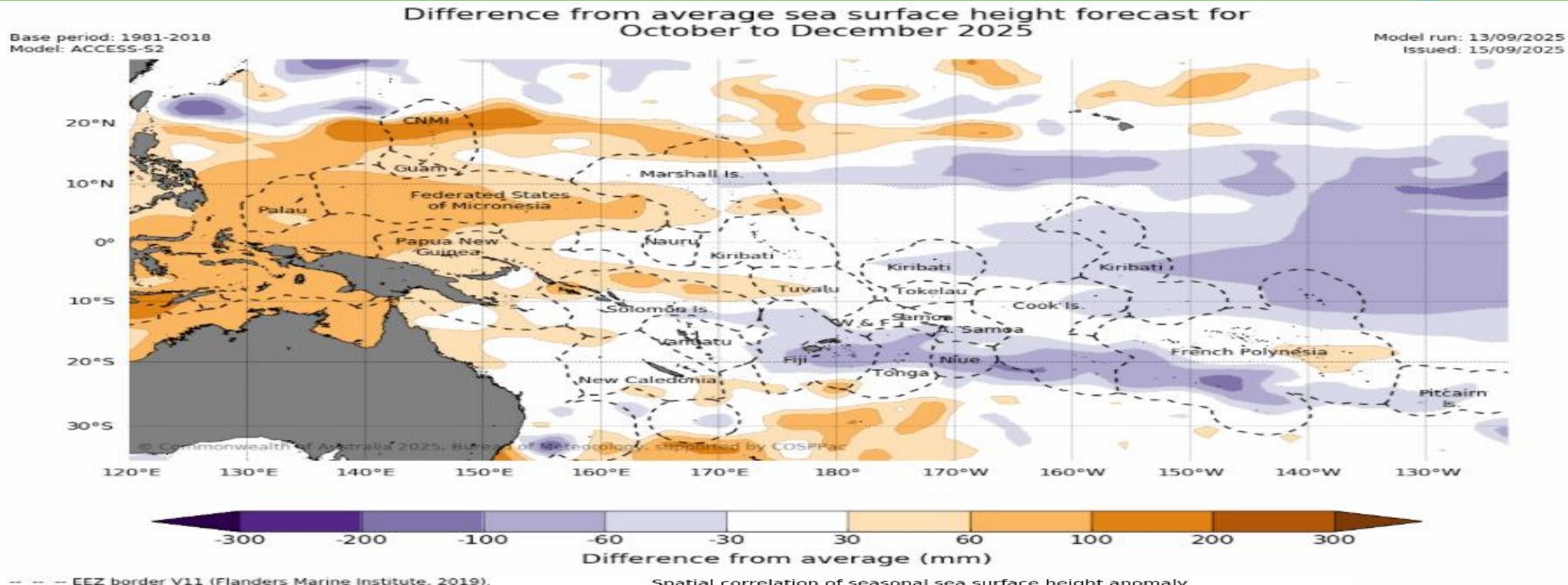
ACCESS-S: SST Anomalies



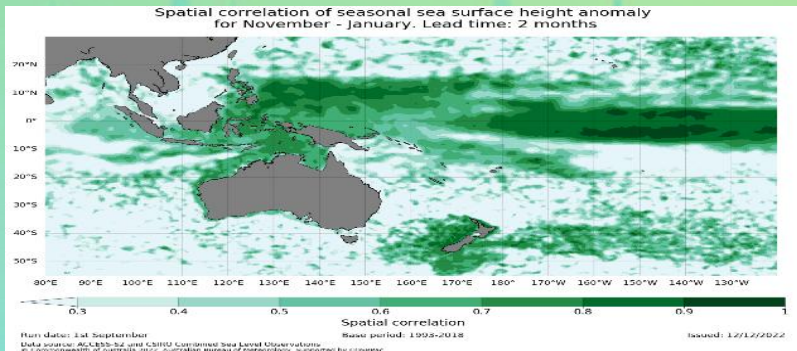
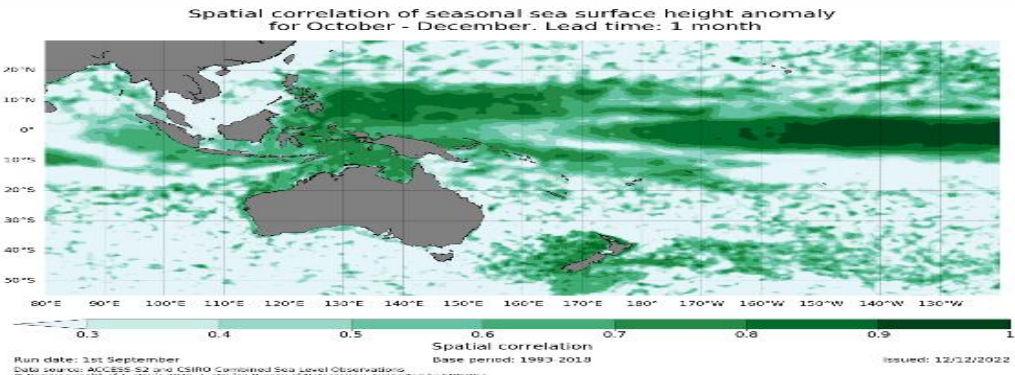
Skill

Sea Level Anomaly

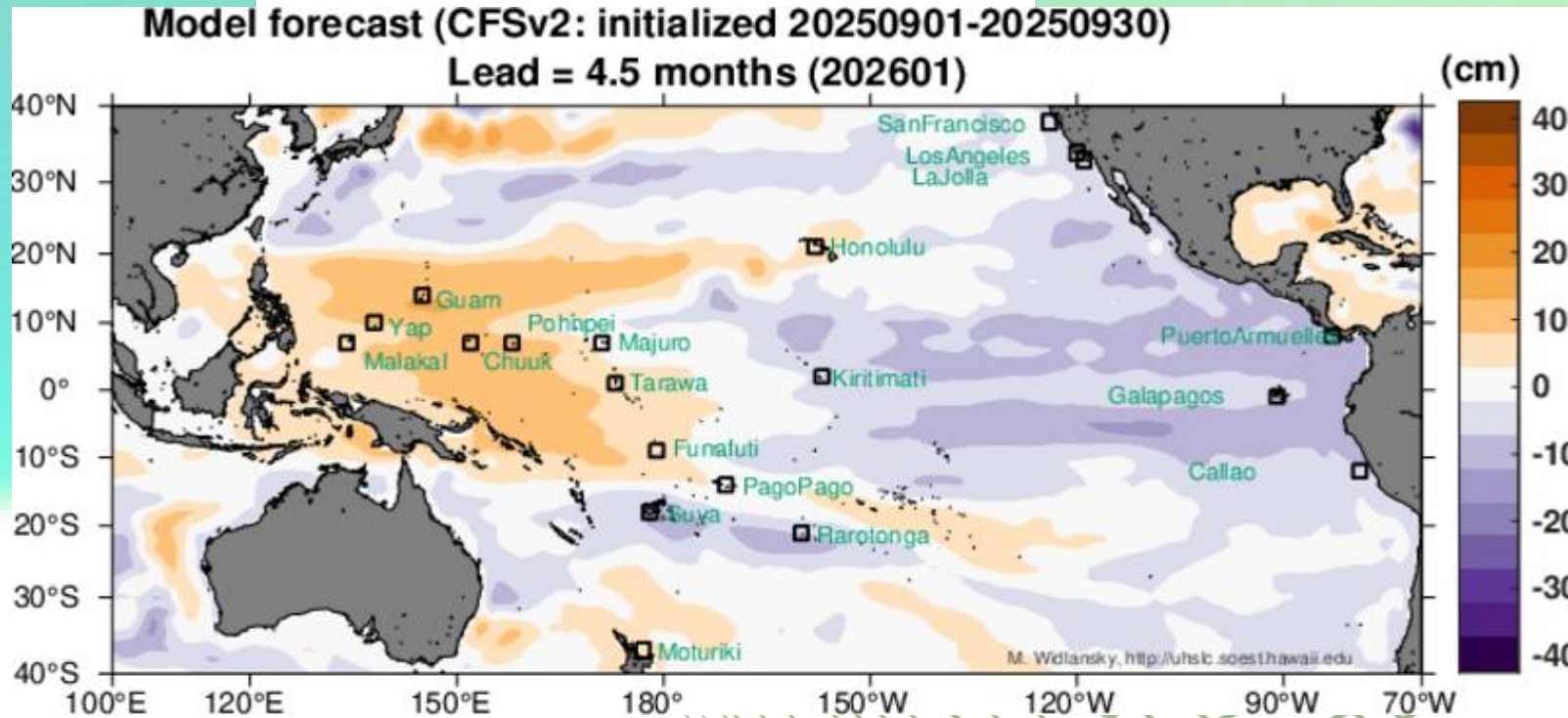
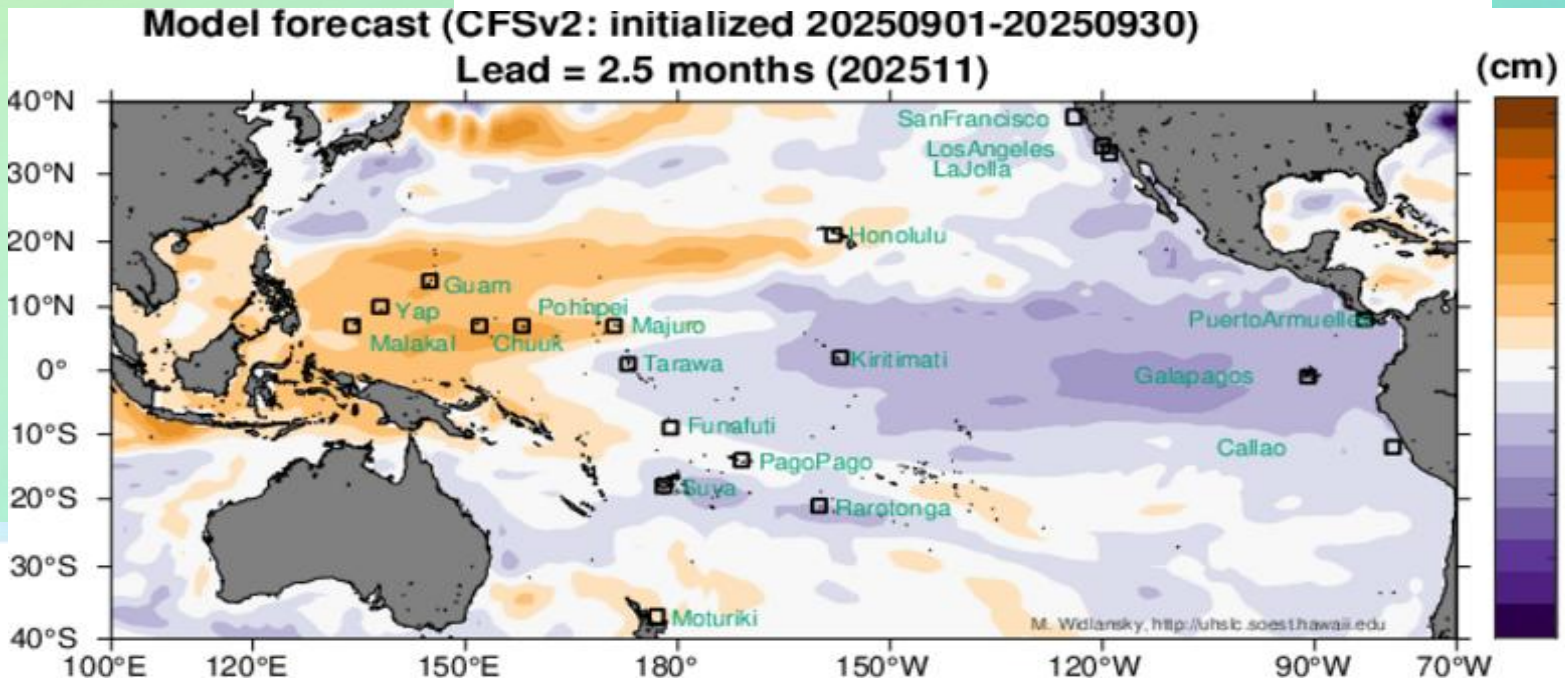
ACCESS-S



Skill



UoH



Highest Tides

Suva, Fiji

10 highest tides for 2026		
Date	Time	Height (m)
26/12/2026	7:14	2.14
25/12/2026	6:19	2.13
4/01/2026	6:06	2.12
5/01/2026	7:00	2.12
27/12/2026	8:09	2.12
3/01/2026	5:12	2.11
24/12/2026	5:26	2.1
26/11/2026	6:35	2.1
3/02/2026	6:46	2.09
2/02/2026	5:56	2.09

Penrhyn, CK

10 highest tides for 2026		
Date	Time	Height (m)
17/02/2026	21:11	1.46
16/02/2026	20:29	1.46
31/01/2026	20:27	1.45
1/02/2026	21:07	1.45
17/03/2026	20:06	1.45
18/02/2026	21:54	1.45
15/02/2026	19:48	1.44
1/03/2026	19:58	1.44
18/03/2026	08:52	1.44
16/03/2026	19:21	1.44

Majuro, RMI

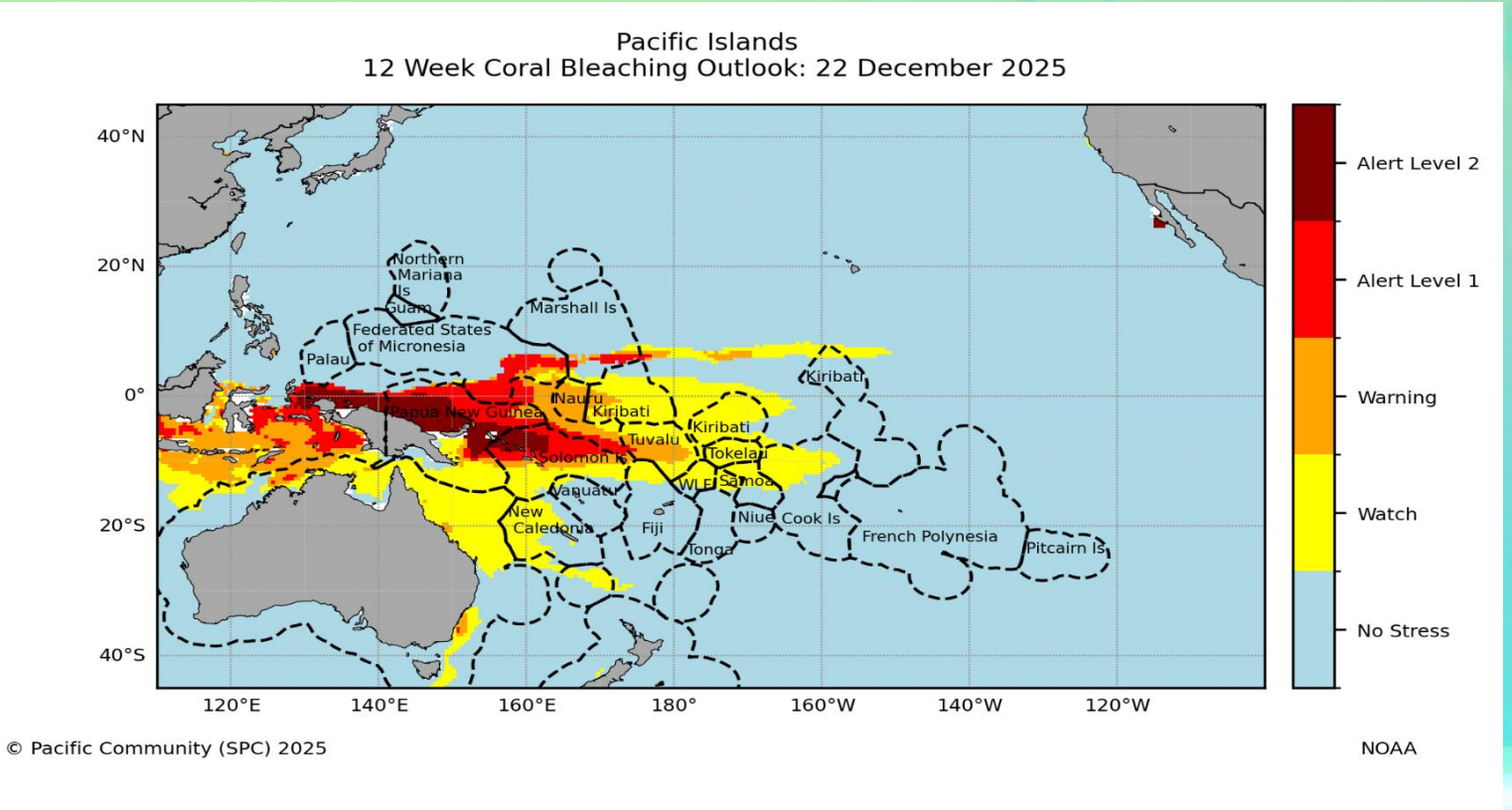
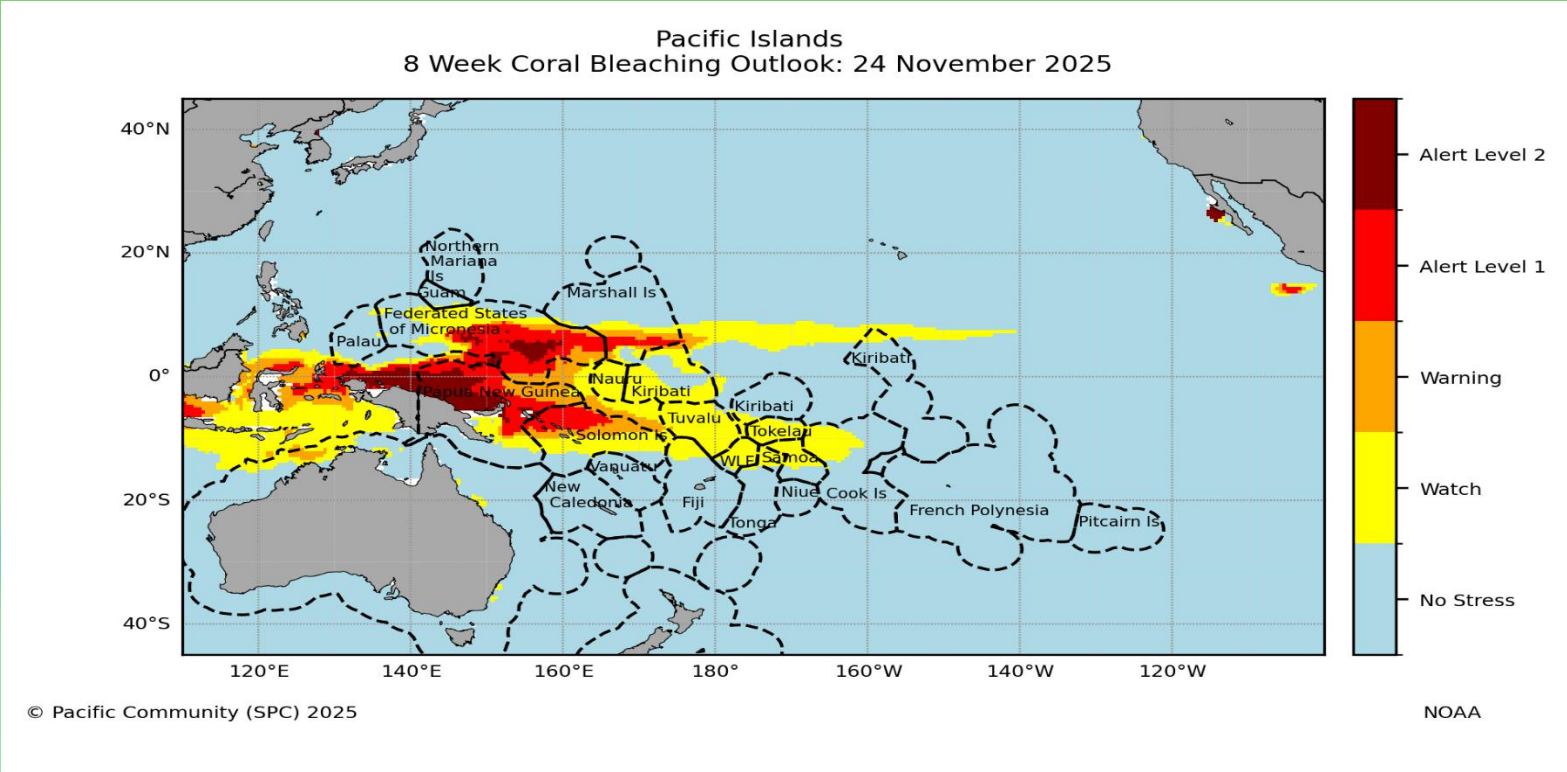
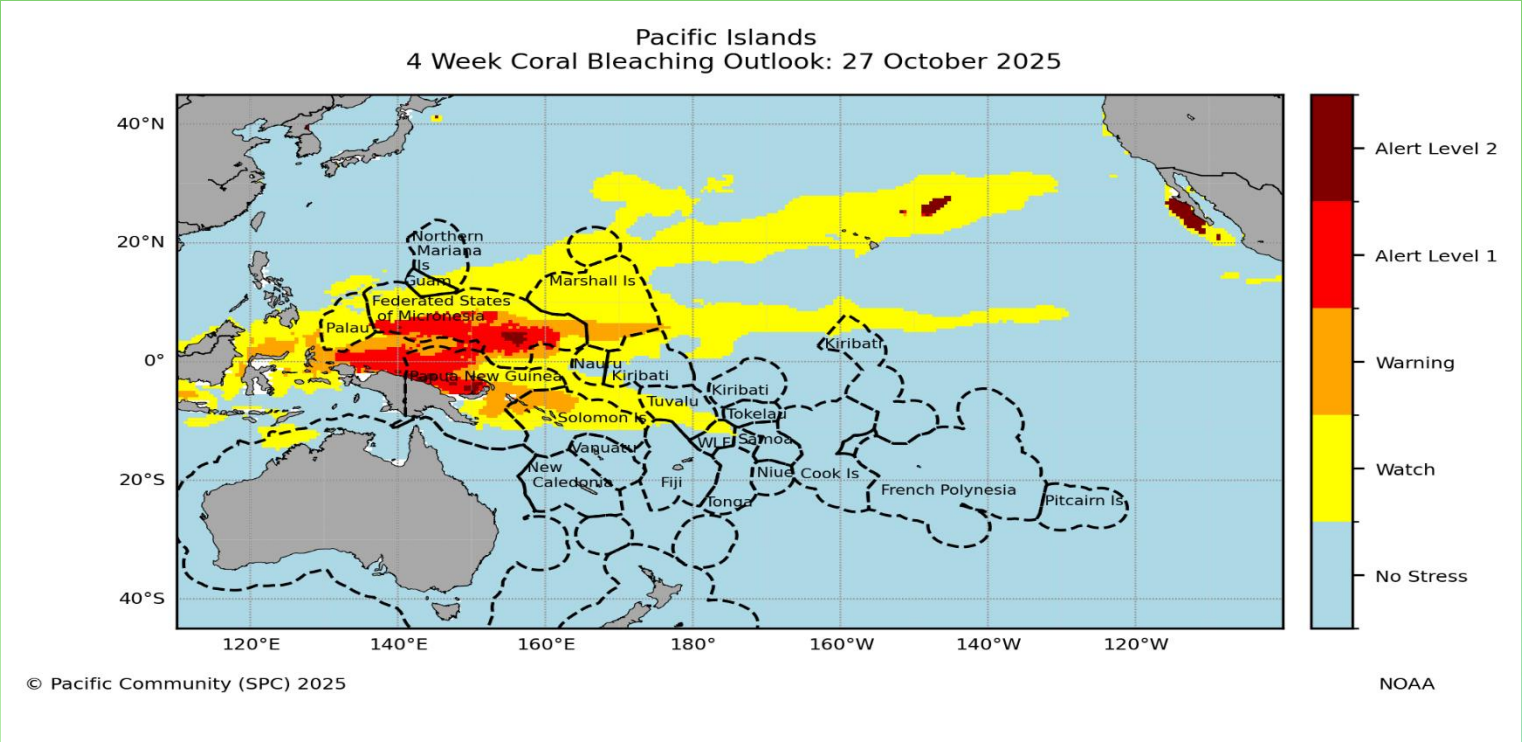
10 highest tides for 2026		
Date	Time	Height (feet)
19/04/2026	17:14	7.13
18/04/2026	16:37	7.12
20/03/2026	4:45	7.1
3/02/2026	5:00	7.06
20/02/2026	5:40	7.05
28/10/2026	4:47	7.05
4/02/2026	5:34	7.05
26/12/2026	5:19	7.04
21/03/2026	5:16	7.04
19/02/2026	5:10	7.03

Port Moresby, PNG

10 highest tides for 2026		
Date	Time	Height (m)
1/02/2026	19:06	2.91
12/08/2026	6:43	2.89
13/08/2026	7:19	2.89
15/07/2026	7:44	2.88
2/02/2026	19:43	2.87
31/01/2026	18:30	2.87
3/01/2026	19:21	2.86
1/03/2026	18:11	2.85
2/03/2026	18:42	2.85
4/01/2026	20:06	2.85

Source:

Coral Bleaching Outlook

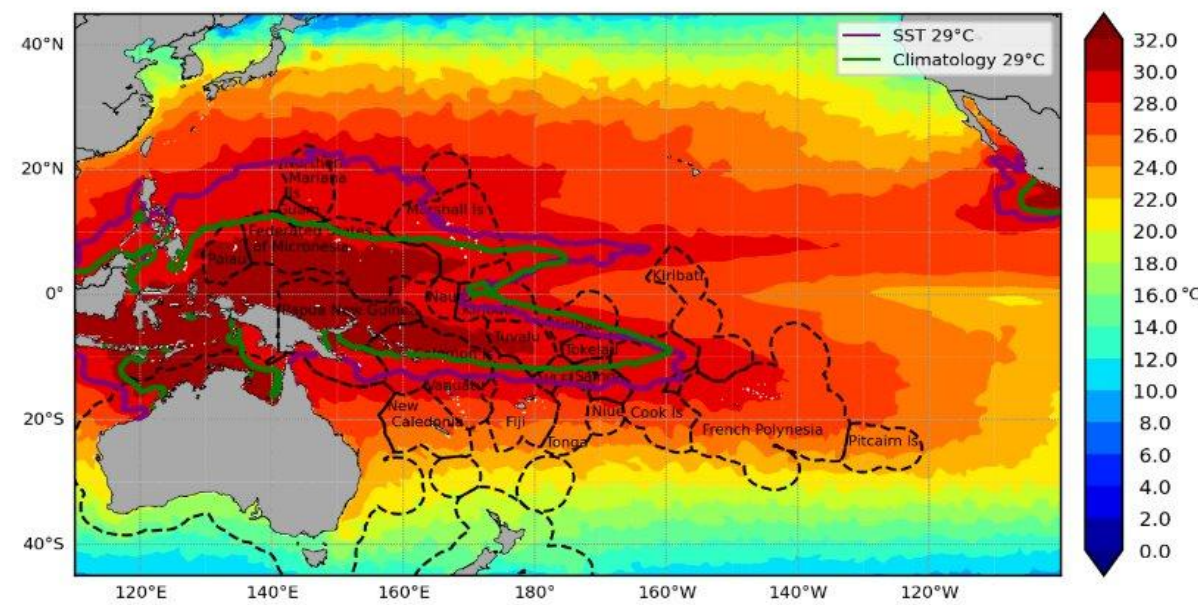


Alert Level	Effect
No Data	No alert data available
No Stress	No thermal stress
Bleaching Watch	Low-level thermal stress
Bleaching Warning	Coral bleaching possible
Bleaching Alert Level 1	Coral bleaching likely
Bleaching Alert Level 2	Coral mortality likely

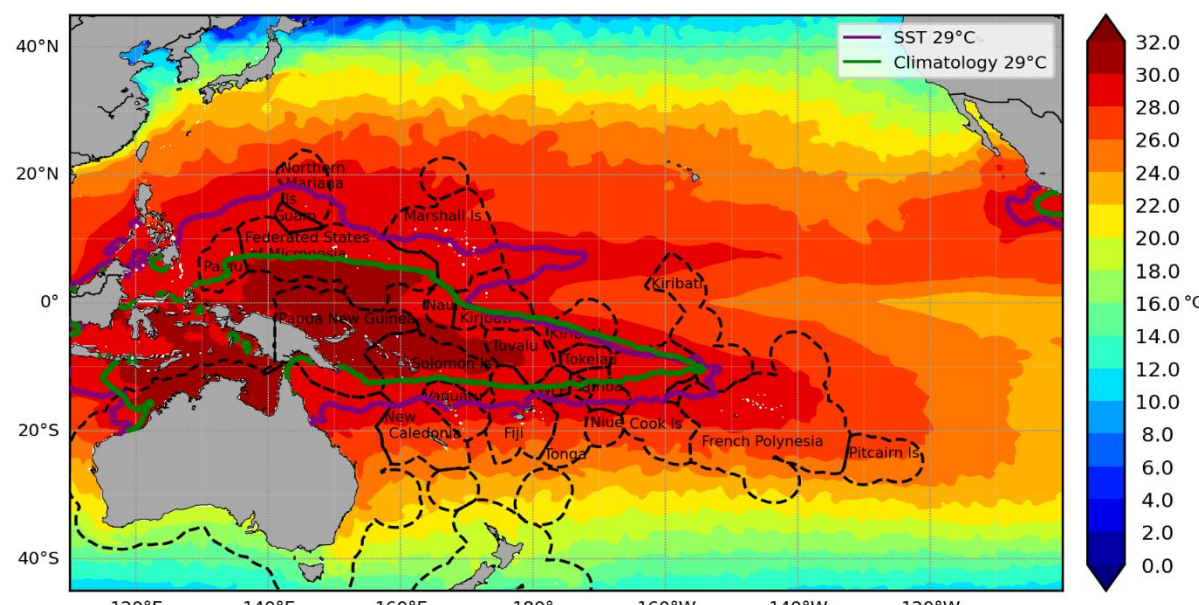
Coral Bleaching Alert

Fisheries Convergence zone

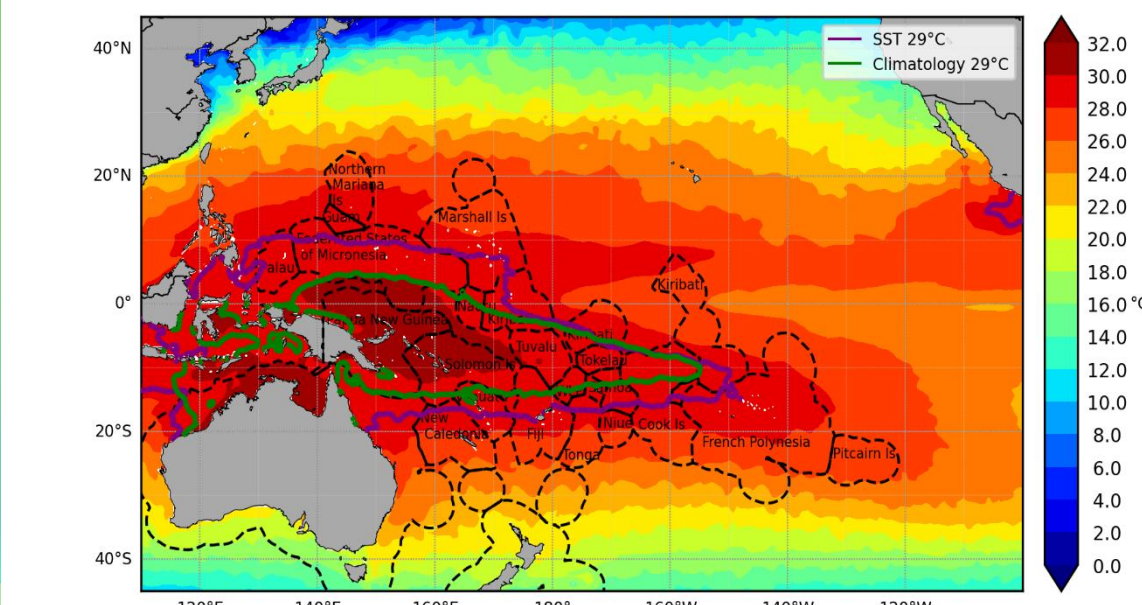
Pacific Islands
Fisheries Convergence Zone: November 2025



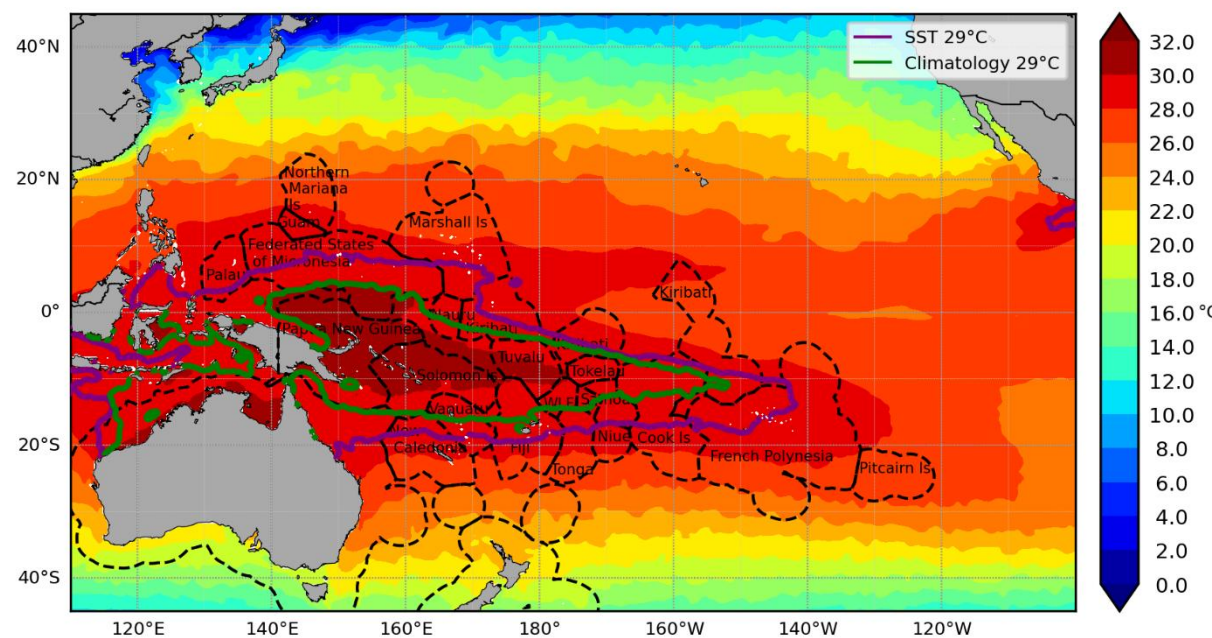
Pacific Islands
Fisheries Convergence Zone: December 2025



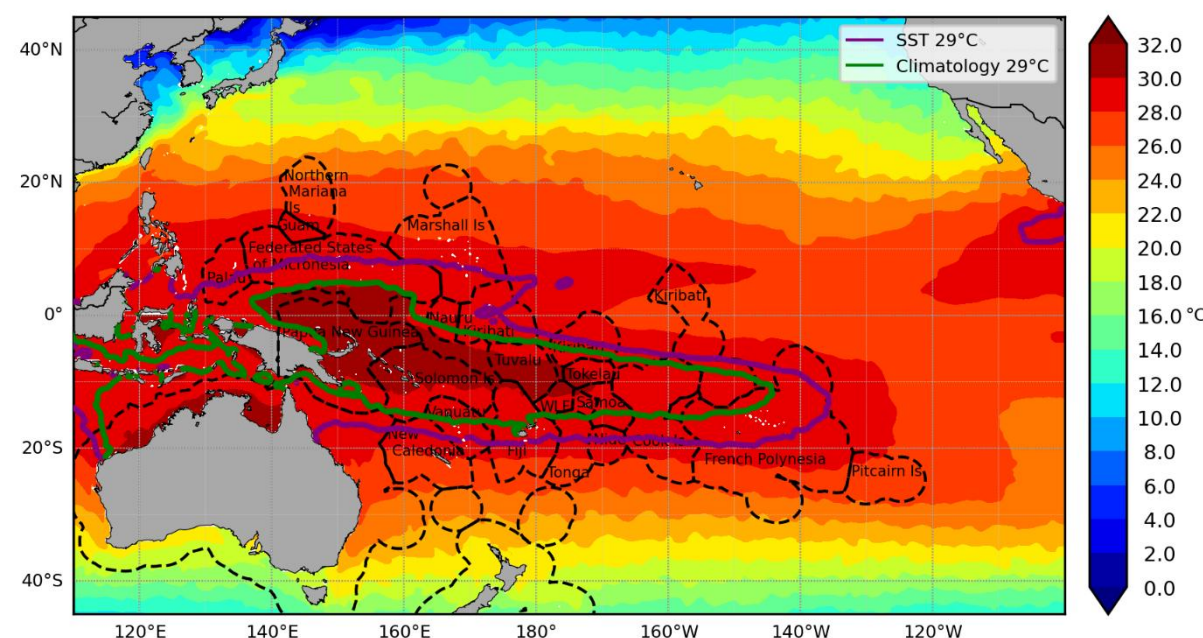
Pacific Islands
Fisheries Convergence Zone: January 2026



Pacific Islands
Fisheries Convergence Zone: February 2026



Pacific Islands
Fisheries Convergence Zone: March 2026



Summary

- Above-normal SSTs are expected for most western Pacific countries, including COSPPac partner countries in the south. Cooler SSTs are forecasted along the central equatorial Pacific, consistent with a developing La Niña episode.
- Below-normal sea levels are favoured around Kiribati, Vanuatu, Fiji, Tonga, Niue, Southern Cook Islands and French Polynesia. Near-normal or above-normal sea levels are expected elsewhere, with higher levels in the western Pacific.
- Countries should be prepared for higher tides in the coming months.
- Coral Beaching Alert Levels 1 and 2 for PNG, FSM, RMI, Palau and Solomon Is.
- Fisheries convergence zone is projected to expand.

THANK YOU!

name@xxxxxxxx.org